

# Entwicklerhandbuch

**agorum *core***

Version 6.4.9

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# 1. XML-Parser

## 1.1 Allgemein

Mit einer XML-Datei kann das gesamte System gemanagt werden. Diese Dokumentation beschreibt die Syntax des **agorum core** XML-Parsers.

Eine Aufgabe des XML-Parsers ist es Objekte manipulieren, d.h. anzulegen, zu ändern oder zu löschen. Es können alle Objekte und alle Attribute eines Objektes manipuliert werden. Eine Übersicht über alle Objekte und deren Attribute erhalten sie in dem Kapitel "Objektstruktur".

Einige häufig benutzen Objekte, wie z. B. die Objekte, die einen Benutzer darstellen (*DirectoryUserObject*, *PRIMARYUSERPROFILEOBJECT*, *EMAILUSERPROFILEOBJECT*, u. A.), sind gekapselt um sie besser verwenden zu können. So gibt es z.B. den Tag `<NewUser>` um Benutzer anzulegen oder zu ändern (siehe unten). Auch die Objekte für Gruppen und ACLs sind teilweise gekapselt (siehe unten).

Weiter gibt es Spezial-Tags die z.B. für das Kopieren von Objekten (`<CopyObject>`), für Webserviceaufrufe (`<ParseXmlService>`) oder für MetaDb-Aktionen (`<MetaDb>`) zuständig sind.

Eingeleitet wird eine XML mit dem so genannten Prolog, der vorhanden sein muss:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
```

Das Wurzelement, das alle anderen Tags umschließt, muss das Tag `<ObjectList>` sein. In dem Wurzelement `<ObjectList>` können beliebig viele Objekte manipuliert oder andere Aktionen ausgeführt werden.

## 1.2 Umgang mit Objekten

Grundsätzlich können **agorum core** Objekte per XML angelegt, geändert und gelöscht werden. Dafür sind allerdings Kenntnisse der **agorum core** Objekte notwendig. Einen Überblick kann man sich im Kapitel "Objektstruktur" verschaffen.

Objektmanipulationen beziehen sich immer auf einen bestimmten Objekttyp. Ein Tag mit dem Objektnamen umschließt die Tags mit den Objekt-Attributen. Die folgenden Beispiele sollen anhand eines Ordners (*FolderObject*) das Anlegen, Ändern und Löschen dieses Objekt-Typs zeigen.

Ausnahmen bilden die Objekte für Benutzer und teilweise auch für Gruppen und ACLs (siehe unten).

### 1.2.1 Besondere Attribut-Typen

Bei einigen Werten die **agorum core** übergeben werden handelt es sich um komplexe Datentypen (z.B. Datum). Diese müssen dann in der XML-Datei entsprechend deklariert werden.

### 1.2.1.1 Datum / Uhrzeit

Bei einem Datum muss das Format angegeben werden:

```
<Date Format="dd.MM.yyyy HH:mm:ss">12.08.2003 13:57:16</Date>
```

Um ein Datum zurückzusetzen muss dieses auf den 1.1.1979, 0:00 Uhr gesetzt werden:

```
<Date Format="dd.MM.yyyy HH:mm:ss z">01.01.1970 00:00:00 GMT</Date>
```

### 1.2.1.2 GlobalObject

Bei einem Objekt-Attribut vom Typ *GlobalObject* muss ein *RefType*-Attribut angegeben werden, damit auf das *GlobalObject* referenziert werden kann. Siehe auch "Attribut RefType".

## 1.2.2 Anlegen

Das Anlegen eines Ordners:

```
Zeile 1: <?xml version = "1.0" encoding="ISO-8859-1"?>
Zeile 2: <ObjectList>
Zeile 3:   <FolderObject SavePoint="{MyFirstFolder}">
Zeile 4:     <Name>FirstXmlFolder</Name>
Zeile 5:     <Description>My first folder via XML</Description>
Zeile 6:     <AddToFolder>./</AddToFolder>
Zeile 7:   </FolderObject>
Zeile 8: </ObjectList>
```

Beschreibung der einzelnen Schritte:

#### Zeile 1:

Im so genannten Prolog wird die XML-Version und das Encoding spezifiziert.

#### Zeile 2:

*<ObjectList>* leitet als erster Tag (Wurzelement) den Import von Objekten über die XML-Schnittstelle ein.

#### Zeile 3:

Hier wird das Objekt *FolderObject* als Tag definiert, das angelegt werden soll. Als Attribut kann hier ein *SavePoint* angegeben werden, auf den in derselben Objektliste wieder Bezug genommen werden kann. Dieser *SavePoint* repräsentiert das angelegte Objekt (siehe unten) und kann bei jedem Objekt als Referenz angegeben werden.

#### Zeile 4-5:

Ab hier werden die Attribute definiert, die für dieses Objekt belegt werden sollen. In diesem Beispiel ist es der Name (*<Name>*) und eine Beschreibung (*<Description>*) des Objektes. Diese zwei Attribute sind von dem Objekt *GlobalObject* abgeleitet und können für alle Objekte eingegeben werden, die ebenfalls von *GlobalObject* abgeleitet sind. Weitere Attribute sind dem Kapitel "Objektstruktur" zu entnehmen.

**Zeile 6:**

Hier wird definiert wo dieser neue Ordner angehängt werden soll: Im aktuellen Ordner (./), in dem man sich beim Einlesen der XML-Datei befindet.

**Zeile 7:**

Abschluss der Objektbeschreibung

**Zeile 8:**

Abschluss der Objektliste

### 1.2.3 Ändern

Das Ändern eines Ordners:

```
Zeile 1: <?xml version = "1.0" encoding="ISO-8859-1"?>
Zeile 2: <ObjectList>
Zeile 3:   <FolderObject>
Zeile 4:     <Update RefType="Path">./FirstXmlFolder</Update>
Zeile 5:     <Description>My first updated description.</Description>
Zeile 6:   </FolderObject>
Zeile 7: </ObjectList>
```

Beschreibung der einzelnen Schritte:

**Zeile 1-3:**

Siehe oben.

**Zeile 4:**

Das Tag *<Update>* legt fest, das diese Operation ein Update ist und welches *FolderObject* geändert werden soll. Das Objekt wird über einen *RefType* (siehe unten) definiert (hier über einen Pfad).

**Zeile 5:**

Das (die) zu ändernde(n) Attribut(e).

**Zeile 6-7:**

Siehe oben.

### 1.2.4 Löschen

Das Löschen eines Ordners:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <FolderObject>
    <Delete RefType="Path">/Roi-TestObjectForDelete</Delete>
    <ParentFolderOfDelteObject RefType="Path">/</ParentFolderOfDelteObject
  >
    <DeleteIfExist/>
    <DeleteAllReferencesFromThisObject/>
    <DeleteAllReferences/>
  </FolderObject>
</ObjectList>
```

Das Tag `<Delete>` legt fest, dass diese Operation ein Löschvorgang ist und welches `FolderObject` geändert werden soll. Das Objekt wird über einen `RefType` (siehe unten) definiert (hier über einen Voll-Pfad).

Wird ein Objekt gelöscht, kommen einige Spezialattribute zum tragen, die den Löschvorgang beeinflussen können:

- *ParentFolderOfDeleteObject*: Hier muss der Eltern-Ordner angegeben werden, an den dieses Objekt angehängt ist. Diese Option wird nicht benötigt, wenn die Option *DeleteAllReferencesFromThisObject* angegeben ist. Sonst muss das Programm wissen, welche Referenz entfernt werden soll, wenn das Objekt an mehreren Orten verknüpft ist. Das Eltern-Objekt wird über einen `RefType` (siehe unten) definiert (hier über einen Voll-Pfad).
- *DeleteIfExists*: Bring keinen Fehler wenn das Objekt nicht existiert.
- *DeleteAllReferencesFromThisObject*: Löscht alle Referenzen des Objektes und das Objekt selbst. Referenzen von Unterobjekten werden nicht gelöscht sondern nur deren Links.
- *DeleteAllReferences*: Löscht alle Referenzen des Objektes und alle Referenzen der Objekte, die mit diesem Objekt zusammen gelöscht werden. Z.B. wenn ein Ordner rekursiv gelöscht wird, werden alle Objekte rekursiv gelöscht, egal wo diese sonst noch verknüpft sind. Wenn diese Option gesetzt ist, die Option hinfällig, da dies Option höherwertig ist.

#### 1.2.4.1 Nur den Inhalt eines Ordners löschen

Folgende Ordnerstruktur ist vorhanden und es sollen alle Objekte unterhalb des Ordners `xxx` gelöscht werden

```
/xxx
  /yyy
  /zzz
    /aaa
  /A.doc
  /B.doc
u. s. w
```

Um jetzt nur alles unterhalb des Ordners `xxx` zu löschen, den Ordner `xxx` selbst aber nicht muss folgende XML generiert werden:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <FolderObject>
    <Delete>/agorum/roi/Files/d4wdemo/Informationen/xxx</Delete>
    <ParentFolderOfDeleteObject RefType="Path">/agorum/roi/Files/d4wdemo/I
nformationen</ParentFolderOfDeleteObject>
    <InvokeMethod>
      <Method>setSystemOption</Method>
      <Parameter_1 DataType="String" MethodDataType="String">deleteOnlyIte
msFromFolder</Parameter_1>
      <Parameter_2 DataType="String" MethodDataType="Object">>true</Paramet
er_2>
    </InvokeMethod>
  </FolderObject>
</ObjectList>
```

Über die SystemOption *deleteOnlyItemsFromFolder* (Wert ist egal!), die mit *InvokeMethod* (siehe unten) gesetzt wurde, kann gesteuert werden, ob der Ordner oder nur der Inhalt des Ordners gelöscht wird.

Ohne diese SystemOption wird auch der Ordner *xxx* mitgelöscht.

## 1.3 Spezielle Tags und Attribute

### 1.3.1 Tag <AddToFolder>

Über dieses Tag wird beim Erstellen eines Objektes der Ablageordner bestimmt.

### 1.3.2 Tag <LinkToFolder>

Über dieses Tag werden weitere Ablageordner eines Objektes angegeben.

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <FolderObject>
    <Name>LinkedXmlFolder</Name>
    <AddToFolder>./</AddToFolder>
    <LinkToFolder>../AnotherFolder</ LinkToFolder>
  </FolderObject>
</ObjectList>
```

### 1.3.3 Attribut *SavePoint*

Das Attribut *SavePoint* kann in den Objekt-Tags angegeben werden, wenn ein Objekt erzeugt wird. Auf den *SavePoint* kann dann in derselben Objektliste wieder Bezug genommen werden, er repräsentiert das angelegte Objekt.

Im folgendem Beispiel wird ein neuer Ordner angelegt und die Referenz zu diesem Ordner in dem *SavePoint* *MyFolder* gespeichert:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <FolderObject SavePoint="{MyFolder}">
    <Name>FirstXmlFolder</Name>
    <AddToFolder>./</AddToFolder>
  </FolderObject>
</ObjectList>
```

### 1.3.4 Attribut *RefType*

Das Attribut *RefType* kann in allen Tags verwendet werden, die ein *GlobalObject* aufnehmen, z.B.: *<AddToFolder>*, *<LinkToFolder>*, *<Acl>*, *<Owner>*, usw. (siehe Kapitel "Objektstruktur"). Es bestimmt wie ein *GlobalObject* geholt werden soll, bzw. wie es referenziert wird.

Im Folgenden werden drei Möglichkeiten beschrieben, die im Weiteren durch spezielle Referenzierungen erweitert werden.

#### 1.3.4.1 Path

Die Referenzierung von *GlobalObject*'s über einen Pfad ist Standard, wenn kein *RefType*-Attribut angegeben wurde, oder das Attribut auf "InternalVariable" gesetzt wurde.

Das Objekt wird durch einen voll qualifizierten Pfad oder einen relativen Pfad referenziert.

Bei voll qualifizierten Pfaden muss die Ordner-Grundstruktur von **agorum core** bekannt sein. Relative Pfade können nur verwendet werden, wenn es einen "Start-Ordner" gibt. Das ist beim Einzelupload und beim FTP-Transfer, wo das XML in einen Ordner "gespeichert" wird, der Fall. Wird das XML aber per Webservice ausgeführt, kann kein relativer Pfad verwendet werden, da es keinen "Ziel"-Ordner gibt!

In einen voll qualifizierten Pfad anhängen:

```
<AddToFolder RefType="Path">/agorum/roi/Files/d4wdemo</AddToFolder>
```

Anhängen an den aktuellen Ordner in dem man sich befindet (relativer Pfad):

```
<AddToFolder RefType="Path">.</AddToFolder>
```

Referenzierung relativ zum aktuellen Ordner in dem man sich befindet:

```
<AddToFolder RefType="Path">../../myRefPath</AddToFolder>
```

Standard ist *RefType="Path"*, d. h. dies Attribut kann auch weggelassen werden:

```
<AddToFolder>./Akte/Mails</AddToFolder>
```

### 1.3.4.2 SavePoint

Das Objekt wird über einen *SavePoint* (siehe oben) referenziert, das in derselben Objektliste zuvor erzeugt wurde und mit dem gleichnamigen *SavePoint* versehen wurde (hier: *MyFolder*).

```
<AddToFolder RefType="SavePoint">${MyFolder}</AddToFolder>
```

### 1.3.4.3 Name

Das Objekt wird über seinen Namen und seinen Klassennamen referenziert, wobei der angegebene Name, bezogen auf den angegebenen Klassennamen, im gesamten System eindeutig sein muss. Dies ist nur sinnvoll bei Objekten, wo dies gewährleistet ist, z.B. bei *DirectoryUserObject* (Benutzer), *DirectoryGroupObject* (Gruppe) oder *AccessControlListObject* (ACL).

```
<Acl RefType="Name" ClassName="AccessControlListObject">Private</Acl>
```

## 1.3.5 Interne Variablen verwenden und belegen

Es können interne Variablen belegt werden, die zu einem späteren Zeitpunkt in derselben XML-Datei wieder eingesetzt werden können. Alle Attribute eines Objektes können damit ausgelesen werden und als interne Variable gespeichert werden.

Als *VariableName* gibt es folgende Erweiterung zu den normalen Objektattributen:

- *ID*: Die Id des Objektes
- *AnyPath*: Entspricht *getAnyFolderPath()* und gibt **einen** möglichen Pfad des Objektes zurück.
- *Content*: Content eines *FileObjectes*. Dieser wird Base64-Codiert zurückgegeben (siehe unten: "Content mit Base64").

Bei Datumsvariablen wird das Datum im Format "yyyyMMddHHmmss z" zurückgegeben. Dieses Format ist dann auch dort anzugeben, wo das Datum eingebaut wird.

Mit dem zusätzlichen Attribut *Replace="true"* können in einem Tag mehrere interne Variablen ersetzt werden.

**ACHTUNG:** In den Tags, wo durch einen *RefType* die Art und Weise definiert wird, wie ein *GlobalObject* geholt wird, entspricht *RefType="InternalVariable"* dem *RefType="Path"*. Somit kann dort ein Pfad über *InternalVariable* zusammgebaut werden (*Replace="true"*).

Hier ein Beispiel:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <FolderObject SavePoint="{myFolder}">
    <Name>testfolder</Name>
    <Description>Mein erster Folder bigfolder</Description>
    <AddToFolder>./</AddToFolder>
  </FolderObject>

  <!--
    Jetzt die ID und AnyPath des Ordners holen und in interne Variablen ab
    legen
  -->
  <FolderObject>
    <InternalVariables RefType="SavePoint">{myFolder}</InternalVariables>
    <InternalVariable VariableName="{vID}">ID</InternalVariable>
    <InternalVariable VariableName="{vPath}">AnyPath</InternalVariable>
  </FolderObject>

  <!--
    Jetzt Updaten des ersten Ordners der angelegt wurde
  -->
  <FolderObject>
    <Update RefType="SavePoint">{myFolder}</Update>
    <Description RefType="InternalVariable">{vID}</Description>
  </FolderObject>

  <!--
    Jetzt noch einen neuen Ordner anlegen, wo der AnyPath
    als Description gespeichert wird
  -->
  <FolderObject>
    <Name>Hugo mit Path</Name>
    <Description RefType="InternalVariable" Replace="true">ID : {vID} Pat
h : {vPath}</Description>
    <AddToFolder RefType="SavePoint">{myFolder}</AddToFolder>
  </FolderObject>
```

```
</ObjectList>
```

### 1.3.6 Tag <Content>

Über dieses Tag kann der Content (Inhalt) gesetzt werden. Das Tag gibt es nur bei von *FileObject* und *FOLDERDOCUMENTOBJECT* abgeleiteten Objekten.

Beispiel :

```
<Content><![CDATA[Hier steht der Content von Roi-Test-Object]]></Content>
```

**ACHTUNG:** Wenn ein Dokument so angelegt wird, muss darauf geachtet werden, das der *Name* des Dokumentes die entsprechende File-Extension besitzt (z.B. *.txt*, *.html*) sonst wird der Content des Objektes nicht indiziert.

#### 1.3.6.1 Attribut *Encoding* beim <Content>-Tag

Beim Tag <Content> kann ein Encoding mitgegeben werden, wie der Content codiert ist. Bis jetzt wird "Base64" unterstützt.

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <FileObject>

    <Name>MyFirstBase64Document.txt</Name>

    <Description>Dokument über Base64-Codierung erstellt

    Achtung:
    CDATA muss direkt nach der Klammer anfangen und direkt vor der Klammer a
    ufhören.
    Es dürfen dort keine Leerzeichen folgen, ansonsten werden diese mit bei
    der Codierung
    berücksichtigt und es gibt Fehler.

    Das Referenzdokument liegt im selben Verzeichnis und hat den Namen "Roi-
    Test-Base64OriginalObject.txt"
    </Description>
    <Content Encoding="base64"><![CDATA[DQoNCg0KDQoNCg0KRGllcyBpc3QgZWluIFRl
    c3Rkb2N1bWVudCwgZGFzIGluIGRlciBYTUwtRGF0
    ZWkgUm9pLVRlc3QtQ29udGVudFdpdGhCYXNlNjQueG1sDQp2ZXJ3ZW5kZXQgd2lyIHVtIGRhcy
    BF
    bmNvZGluZz0iQmFzZTY0IiB6dSBUZn0Z4NCg0KDQoNCg0KDQoNCg0KDQpEaWVzZXMG9rdW
    lu
    ZXQgd2lyIPxiZXIgzGllIFhNTC1EYXRlaSBhbmdlbGVndCB1bmQgZGFubiBnZXBy/GZ0LCB3aW
    V2
    aWVsIEJ5dGVzIGRhcyBEb2t1bWVudA0KaGF0IHVuZCB3byBkYXMGV29ydCBFbmRlR3V0QWxsZX
    NH
    dXQgZWluZ2VrbGFtbWVudCBpbiBIb2Noa29tbWFzIHN0ZW50Lg0KDQpEaWVzZXMG9rdWllbn
    Qg
    ZGFyZiBuaWNodCBnZeruzGVydcB3ZXJkZW4sIGRhIGRhcyBQcm9ncmFtbSBkaWVzZXMG9rdW
    ll
    bnQgYWxzIA0KDQpSZWZlcmVuemRva3VtZW50IGF1c2xpZXN0IHVuZCBkYW1pdCBkZW4gVmVyZ2
    xl
    aWN0IHp1bSBnZXNwZW1jaGVydcGVuIERva3VtZW50IGR1cmNoZvxocnQNCg0KDQoNCg0KDQoNCi
    JF
    bmRlR3V0QWxsZXNHdXQi]]></Content>
    <AddToFolder></AddToFolder>
```

```
</FileObject>
</ObjectList>
```

### 1.3.6.2 Attribut *RefType*="TmpPath"

Beim Content-Tag kann ein *RefType*="TmpPath" mitgegeben werden.

Im Inhalt des Tags wird dann ein Vollpfad zu einer Datei mitgegeben, die auf derselben Maschine liegt, auf der auch das XML geparkt wird. Damit wird der Inhalt dieser Datei in den Content des Objektes geschrieben.

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <FileObject>

    <Name>MyFirstTmpPathDocument.txt</Name>

    <Description>Dokument über TmpPath erstellt

    Achtung:
    CDATA muss direkt nach der Klammer anfangen und direkt vor der Klammer a
    ufhören

    Es dürfen dort keine Leerzeichen folgen, ansonsten werden diese mit bei
    der Codierung
    berücksichtigt und es gibt Fehler.
    </Description>
    <Content RefType="TmpPath"><![CDATA[C:\temp\TestContentWithTmpPath.xml]]
  ></Content>
    <AddToFolder></AddToFolder>
  </FileObject>
</ObjectList>
```

### 1.3.7 Attribut *WithId* im Tag <Name>

```
<Name WithId="true">Hugo_$$ID$$</Name>
```

Wenn der Name so definiert wird, wird der String *\$\$ID\$\$* ersetzt durch die ID des Objektes. So ist im Namen des Objektes die ID mit enthalten und das Objekt ist vom Namen her immer eindeutig im System.

### 1.3.8 Tag <NoErrorIfExist/>

Mit diesem Tag kann ein Fehler abgefangen werden, wenn das anzulegende Objekt schon existiert. Mit dem Objekt wird dann nichts gemacht, nur der SavePoint des Objekts wird, wenn definiert, belegt.

Somit können Objekte in einer XML immer wieder angelegt werden, ohne das die XML verändert werden muss.

Beispiel:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <!--
    Beschreibung: /agorum/ngos/MetaDb anlegen, falls noch nicht vorhanden
```

```

-->

<FolderObject SavePoint="{agorum}">
  <Name>agorum</Name>
  <AddToFolder>/</AddToFolder>
  <NoErrorIfExist/>
</FolderObject>

<FolderObject SavePoint="{agorum.ngos}">
  <Name>ngos</Name>
  <AddToFolder RefType="SavePoint">{agorum}</AddToFolder>
  <NoErrorIfExist/>
</FolderObject>

<FolderObject SavePoint="{agorum.ngos.MetaDb}">
  <Name>MetaDb</Name>
  <AddToFolder RefType="SavePoint">{agorum.ngos}</AddToFolder>
  <NoErrorIfExist/>
</FolderObject>

</ObjectList>

```

### 1.3.9 Attribut *DoNotSetIfNotExists*

Mit diesem Flag kann das Setzen eines GlobalObjects unterdrückt werden, wenn dieses nicht vorhanden ist. Ohne dieses Flag wird ein Fehler ausgegeben.

Beispiel:

```

<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <FolderObject>
    <Name>TestMitFlag</Name>
    <Description>Test mit Flag</Description>
    <Acl RefType="Name" ClassName="AccessControlListObject" DoNotSetIfNotE
xists="true">ACL_HUGO</Acl>
    <AddToFolder>./</AddToFolder>
  </FolderObject>
</ObjectList>

```

In diesem Beispiel wird der ACL "ACL\_HUGO" nicht gesetzt, wenn das Objekt nicht vorhanden ist. Der Ordner wird trotzdem angelegt und das ACL wird wie gehabt vererbt. Dieses Flag kann auch bei *RefType* Angaben gesetzt werden.

Ausnahme: Nicht innerhalb eines Arrays

### 1.3.10 Tag *<InvokeMethod>*

Mit dem Tag *<InvokeMethod>* können direkte Aufrufe von set-Methoden in der Definition gemacht werden, z. B. um SystemOptions zu setzen.

**ACHTUNG:** Um dieses Tag korrekt zu benutzen, ist ein tief greifendes Wissen über die internen Abläufe von **agorum core** zwingend erforderlich!

Beschreibung des Aufbaues:

```

<InvokeMethod>
  <Method>Name der Methode die aufgerufen werden soll</Method>
  <Parameter_1 DataType="String" MethodDataType="String">Param 1</Paramete
r_1>
  <Parameter_2 DataType="String" MethodDataType="Object">Param 2</Paramete
r_2>
  ..
  ..
</InvokeMethod>

```

Mit dem Tag *<Method>* wird der Name der aufzurufenden Methode definiert. Es können beliebig viele Methoden-Parameter übergeben werden. Dies geschieht in Tags, die mit der Zeichenkette *Parameter\_* beginnen und mit einer fortlaufenden Nummer enden. Diesen Parameter-Tags können zwei Attribute (*DataType*, *MethodDataType*) mitgegeben werden.

Unterstützte Werte für *DataType*:

- *String*: Wenn dem Tag *<Parameter\_X>* ein *String* übergeben wird. Dies ist der Standard, wenn nichts definiert ist!
- *String\_Array*: Wenn dem Tag *<Parameter\_X>* ein Array übergeben wird (siehe zweites Beispiel).

Unterstützte Werte für *MethodDataType*:

- *String*: Wenn der Parameter *X* der aufzurufenden Methode vom Typ *String* ist. Dies ist der Standard, wenn nichts definiert ist!
- *Object*: Wenn der Parameter *X* der aufzurufenden Methode vom Typ *Object* ist.

Beispiel eines "unkonventionellen" Anlegens einer Datei:

```

<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <FileObject SavePoint="{Doc1}">
    <InvokeMethod>
      <Method>setName</Method>
      <Parameter_1 DataType="String" MethodDataType="String">my.txt</Param
eter_1>
    </InvokeMethod>
    <InvokeMethod>
      <Method>setDescription</Method>
      <Parameter_1>text</Parameter_1>
    </InvokeMethod>
    <AddToFolder>/</AddToFolder>
  </FileObject>
</ObjectList>

```

Beispiel für *String\_Array*:

```

<InvokeMethod>
  <Method>setSystemOption</Method>
  <Parameter_1 DataType="String" MethodDataType="String">AddUserTo_D4wAppC
alendarApp</Parameter_1>
  <Parameter_2 DataType="String_Array" MethodDataType="Object">

```

```

    <ArrayElement>d4wdemo_gl</ArrayElement>
    <ArrayElement>d4wdemo_vb</ArrayElement>
  </Parameter_2>
</InvokeMethod>

```

## 1.4 Benutzer verwalten

Das Anlegen, bzw. Ändern von Benutzer wird nicht über die normalen **agorum core** Objekte vorgenommen, da ein Benutzer aus zig verschiedenen Einzelobjekten besteht, die alle beim Anlegen eines Benutzers erzeugt werden müssen. Das würde einen sehr hohen Aufwand bedeuten.

Aus diesem Grund ist das Benutzerobjekt für das Anlegen und Ändern in dem Tag `<NewUser>` gekapselt.

### 1.4.1 Neuen Benutzer anlegen

Beispiel:

```

<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <NewUser>
    <UserName>u0004</UserName>
    <Password>u0004</Password>
    <DirectoryUserDescription>Beschreibung</DirectoryUserDescription>
    <AdminEnabled>>false</AdminEnabled>

    <!--
      Domain wird automatisch angefüegt
      Mit Komma getrennt können beliebig viele
      E-Mailadressen angegeben werden
      Die Erste Email-Adresse ist die Haupt-Mail-Adresse des Users
      Beispiel: u0003,hugo.boss
    -->
    <EmailAddresses>u0004</EmailAddresses>

    <!--
      Mit diesem Tag können Aliases für einen User definiert werden. Diese
      Aliases gelten nur
      für das Login.

      Mit ", " getrennt können mehrere Aliases pro User vergeben werden. Di
      e Aliases müssen
      eindeutig sein incl. der User-Namen.

      Über dieses Tag werden alle vorhandenen Aliase gelöscht und diese in
      dem Tag werden neu
      angelegt, also bei einem Update immer alle Aliases angeben + den neu
      en Alias.
    -->
    <Aliases>alias1,alias2,alias3</Aliases>

    <GivenName>Hugo</GivenName>
    <FamilyName>Boss</FamilyName>

    <!--
      Setzen des Lockstate
      0 = unlock

```

```

    1 = locked
    Wenn 1 dann ist der User gesperrt und kann sich nicht einloggen
-->
<Lockstate>0</Lockstate>

<!--
    Vorgabe des CredentialManagers.
    Bis jetzt gibt es folgende:

    1. roi    Prüfung des Passwortes innerhalb von NgFs
    2. ldap  Prüfung des Passwortes über LDAP (siehe [[LDAP-
Beschreibung]])
-->
<CredentialManager>roi</CredentialManager>

<!--
    de = Deutsch
    en = Englisch
-->
<Language>de</Language>

<!--
    Hier wird der DefaultMandant angegeben
    Muss nicht belegt sein
-->
<MandatorIdentifizier>Mandant1</MandatorIdentifizier>

<!--
    Für die Administration über das Web, wird der User mit dem folgenden
Ordner verknüpft
-->
<DestinationFolder>/agorum/roi/Administration/user/d4wdemo</Destinatio
nFolder>

<!--
    IsRole ist ein Flag, das gesetzt werden kann um die Administration z
u erleichtern.
    Es sollte auf alle User gesetzt werden, die als Rolle verwendet werd
en.
    Wird das Flag nicht angegeben, wird es auf "false" gesetzt.
-->
<IsRole>>true</IsRole>

<!--
    Soll der User ein Default-
Rolle bekommen, kann hier der Name der Rolle
angegeben werden. ACHTUNG: Die Rolle muss beim anlegen des Users vor
handen sein.

    Wird keine DefaultRolle angegeben, so wird hier automatisch der neue
User als seine DefaultRolle gesetzt.
-->
<DefaultRoleName>VERTRIEB</DefaultRoleName>

<!--
    AssociatedRolesName:
    Hier kann der Name einer Gruppe gesetzt werden. Alle User (Rollen) d
ie in dieser
Gruppe enthalten sind, sind für diesen User als Rolle zugelassen.

    Wenn keinen Gruppe gesetzt wird, kann sich der User nur mit seiner D
efault-Rolle anmelden.

```

```

    ACHTUNG: Diese Rolle muss vorhanden sein.
-->
<AssociatedRolesName>GL_ASSOCIATEDROLES</AssociatedRolesName>

<!--
  AppUserProfiles anlegen:
  Hier ein Beispiel für den Mitteilungsassistenten
-->
<AddAppUserProfiles>
  <AppUserProfile>
    <!-- Fixe Vorgabe für Mitteilungsassistent -->
    <Application>EventAssistance</Application>
    <!--
      Hier den Fullpath des Objektes eintragen das überwacht werden so
ll
      Dazu über RefType angeben das es sich um ein Objekt handelt
      und in ToString vorgeben, welches Attribut zu einem String
      gewandelt werden soll
      Ist kein RefType angegeben, so ist der Wert bei KeyWord
      automatisch der String-Wert des Keywords
      RefType kann nur den Wert "Path" annehmen
    -->
    <Keyword RefType="Path" ToString="ID">/agorum/roi/files/d4wdemo</K
eyword>
    <!-- Für Mitteilungsassistent bleibt Value leer -->
    <Value></Value>
  </AppUserProfile>
  <AppUserProfile>
    <!-- Fixe Vorgabe für Mitteilungsassistent -->
    <Application>EventAssistance</Application>
    <!--
      Hier den Fullpath des Objektes eintragen das Überwacht werden soll -->
      <Keyword RefType="Path" ToString="ID">/agorum/roi/files/d4wdemo</
Keyword>
    <!-- Für Mitteilungsassistent bleibt Value leer -->
    <Value></Value>
  </AppUserProfile>
</AddAppUserProfiles>
</NewUser>
</ObjectList>

```

## 1.4.2 Benutzer ändern

Beispiel: Username eines Users ändern

```

<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <NewUser>
    <!--
      Hier darf nur der Login-Name des Users gesetzt werden
    -->
    <UpdateUserName>u0004</UpdateUserName>

    <--
      Wenn sich der Username ändert, so kann der neue Name hier gesetzt we
rden.
      Wenn sich der Name nicht ändert, wird dieses Tag nicht benötigt
    -->
    <UserName>u0004.neu</UserName>

```

```
</NewUser>
</ObjectList>
```

Noch ein Beispiel, hier wird dem User ein neuer Alias vergeben:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <NewUser>
    <UpdateUserName>d4wdemo_g1</UpdateUserName>
    <Aliases>rolf</Aliases>
  </NewUser>
</ObjectList>
```

Noch ein Beispiel, alle Aliases eines Users löschen:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <NewUser>
    <UpdateUserName>d4wdemo_g1</UpdateUserName>
    <Aliases/>
  </NewUser>
</ObjectList>
```

Noch ein Beispiel, CredentialManager auf *ldap* setzen

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <NewUser>
    <UpdateUserName>d4wdemo_g1</UpdateUserName>
    <CredentialManager>ldap</CredentialManager>
  </NewUser>
</ObjectList>
```

### 1.4.3 Benutzer löschen

Das Löschen eines Benutzers geht wieder über das Standardobjekt des Benutzers (*DirectoryUserObject*).

Es können zwei *SystemOptions* (*deleteUserHome* und *childUser*) übergeben werden, die das Löschverhalten steuern.

- *deleteUserHome*: Gibt an, ob das Home-Verzeichnis gelöscht wird oder nicht (Standard, wenn nicht gesetzt: *false*).
- *childUser*: Gibt an, wer die Objekte dieses Users erbt. (Standard, wenn nicht gesetzt: Der Benutzer, mit dem gelöscht wird).

Beispiel:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <DirectoryUserObject>
    <Delete RefType="Name" ClassName="DirectoryUserObject">anton</Delete>

  <!--
```

```

    Erste SystemOption gibt an, ob das Home-
    Verzeichnis gelöscht wird oder nicht
    Default: false
    -->
    <InvokeMethod>
      <Method>setSystemOption</Method>
      <Parameter_1 DataType="String" MethodDataType="String">deleteUserHome</Parameter_1>
      <Parameter_2 DataType="String" MethodDataType="Object">>true</Parameter_2>
    </InvokeMethod>

    <!--
    Zweite SystemOption gibt an, wer die Objekte dieses Users erbt.
    Default: Der User, mit dem gelöscht wird
    -->
    <InvokeMethod>
      <Method>setSystemOption</Method>
      <Parameter_1 DataType="String" MethodDataType="String">childUser</Parameter_1>
      <Parameter_2 DataType="String" MethodDataType="Object">d4wdemo_vb</Parameter_2>
    </InvokeMethod>
  </DirectoryUserObject>
</ObjectList>

```

## 1.5 Gruppen verwalten

Bei Gruppen ist das hinzufügen und entfernen von Gruppenmitgliedern mit dem Tag `<Members>` gekapselt. Zwischen diesem Tag können mit `<Ref ...>` neue Mitglieder hinzugefügt werden und mit `<DeleteRef ...>` Mitglieder entfernt werden.

Die Gruppenmitglieder können mit allen im Kapitel "Attribut RefType" besprochenen Techniken referenziert werden. Wenn ein Mitglied zwei Mal zugeordnet wird, wird mit einem Fehler abgebrochen.

### 1.5.1 Neue Gruppe anlegen

Eine neue Gruppe muss zwingend mit einem Ordner unterhalb von `/agorum/roi/Administration/Group` verknüpft werden, damit diese über das Webinterface **agorum desk4web** administrierbar ist. Die Gruppe wird (wie auch bei anderen Objekte) mit dem Tag `<AddToFolder>` in einen Ordner verknüpft, der aber bereits existieren muss.

```

<DirectoryGroupObject SavePoint="{d4wdemoProject}">
  <Name>d4wdemoProject</Name>
  <Description>Alle Projektmitarbeiter von d4wdemo AG</Description>
  <Members>
    <Ref RefType="Name" ClassName="DirectoryUserObject">d4wdemo_pr</Ref>
    <Ref RefType="SavePoint">{d4wdemoGeschaeftsfuehrung}</Ref>
    <Ref RefType="SavePoint">{d4wdemoManagement}</Ref>
  </Members>
  <AddToFolder>/agorum/roi/Administration/Group/d4wdemo</AddToFolder>
</DirectoryGroupObject>

```

### 1.5.2 Gruppe ändern

Die schon vorhandenen Gruppenmitglieder werden nicht geändert.

In diesem Beispiel werden drei Gruppenmitglieder hinzugefügt und eins gelöscht:

```
<DirectoryGroupObject>
  <Update RefType="Name" ClassName="DirectoryGroupObject">d4wdemoProject</Update>
  <Members>
    <Ref RefType="Name" ClassName="DirectoryUserObject">d4wdemo_pr</Ref>
    <Ref RefType="SavePoint">${d4wdemoGeschaeftsfuehrung}</Ref>
    <Ref RefType="SavePoint">${d4wdemoManagement}</Ref>
    <DeleteRef RefType="Name"
  ClassName="DirectoryUserObject">user.xy</DeleteRef>
  </Members>
</DirectoryGroupObject>
```

## 1.6 ACL's verwalten

Bei ACL's sind die ACE's (AccessControlEntries) in dem Tag <ACEs> gekapselt.

### 1.6.1 Neues ACL anlegen

Wenn bei <AccessControlEntryObject> das Tag <Granted> fehlt, so wird es auf *true* gesetzt.

Weiter muss beim Tag <Acl> innerhalb des Tags <AccessControlEntryObject> unbedingt auf den anzulegenden ACL verwiesen werden! Am besten wie in dem Beispiel mit einem *SavePoint!*

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <CustomAclObject SavePoint="${A1}">
    <Name>ACLd4wdemoTest</Name>
    <Description>ACLd4wdemoTest</Description>
    <ACEs>
      <AccessControlEntryObject>
        <Grantee RefType="Name" ClassName="DirectoryObject">d4wdemo_gl</Grantee>
        <Granted>>true</Granted>
        <Acl RefType="SavePoint">${A1}</Acl>
        <PermissionBundleObjects>
          <ArrayElement RefType="Name" ClassName="PermissionBundleObject">AG_PB_READ</ArrayElement>
        </PermissionBundleObjects>
      </AccessControlEntryObject>

      <AccessControlEntryObject>
        <Grantee RefType="Name" ClassName="DirectoryObject">d4wdemoManagement</Grantee>
        <Granted>>true</Granted>
        <Acl RefType="SavePoint">${A1}</Acl>
        <PermissionBundleObjects>
          <ArrayElement RefType="Name" ClassName="PermissionBundleObject">AG_PB_ALL</ArrayElement>
        </PermissionBundleObjects>
      </AccessControlEntryObject>
```

```

    <AccessControlEntryObject>
      <Grantee RefType="Name" ClassName="DirectoryObject">d4wdemoSales</
Grantee>
      <Granted>>true</Granted>
      <Acl RefType="SavePoint">${A1}</Acl>
      <PermissionBundleObjects>
        <ArrayElement RefType="Name" ClassName="PermissionBundleObject">
AG_PB_WRITE</ArrayElement>
      </PermissionBundleObjects>
    </AccessControlEntryObject>
  </ACEs>
  <AddToFolder>/agorum/roi/Administration/Role/d4wdemo</AddToFolder>
</CustomAclObject>
</ObjectList>

```

## 1.6.2 ACL ändern

Es können bei einem Update die ACEs geändert werden, die Attribute des Acls selbst und es können ACEs gelöscht werden.

**ACHTUNG:** Beim Löschen eines ACEs werden alle ACEs mit dem selben Namen gelöscht. Wenn nur eins gelöscht werden soll, muss dies so gemacht werden, das zuerst die ACEs von einem Grantee gelöscht werden und dann müssen die ACEs dieses Grantee wieder so aufgebaut werden wie gewünscht.

Wenn ACEs gelöscht werden, bei denen der Grantee nicht existiert, wird kein Fehler ausgegeben.

```

<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <CustomAclObject SavePoint="${A1}">
    <Description>ACLD4wdemoTest</Description>
    <Update RefType="Name" ClassName="CustomAclObject">ACLD4wdemoTest</Upd
ate>

    <DeleteACEs>
      <DeleteGrantee RefType="Name" ClassName="DirectoryObject">d4wdemo_gl
</DeleteGrantee>
      <DeleteGrantee RefType="Name" ClassName="DirectoryObject">d4wdemo_vb
</DeleteGrantee>
      <DeleteGrantee RefType="Name" ClassName="DirectoryObject">d4wdemoMan
agement</DeleteGrantee>
      <DeleteGrantee RefType="Name" ClassName="DirectoryObject">d4wdemoSal
es</DeleteGrantee>
    </DeleteACEs>

    <ACEs>
      <AccessControlEntryObject>
        <Grantee RefType="Name" ClassName="DirectoryObject">d4wdemo_gl</Gr
antee>
        <Granted>>true</Granted>
        <Acl RefType="SavePoint">${A1}</Acl>
        <PermissionBundleObjects>
          <ArrayElement RefType="Name" ClassName="PermissionBundleObject">
AG_PB_ALL</ArrayElement>
        </PermissionBundleObjects>
      </AccessControlEntryObject>

```

```

    <AccessControlEntryObject>
      <Grantee RefType="Name" ClassName="DirectoryObject">d4wdemo_vb</Grantee>
      <Granted>true</Granted>
      <Acl RefType="SavePoint">${A1}</Acl>
      <PermissionBundleObjects>
        <ArrayElement RefType="Name" ClassName="PermissionBundleObject">AG_PB_WRITE</ArrayElement>
      </PermissionBundleObjects>
    </AccessControlEntryObject>

    <AccessControlEntryObject>
      <Grantee RefType="Name" ClassName="DirectoryObject">d4wdemo_vb</Grantee>
      <Granted>false</Granted>
      <Acl RefType="SavePoint">${A1}</Acl>
      <PermissionBundleObjects>
        <ArrayElement RefType="Name" ClassName="PermissionBundleObject">AG_PB_ALL</ArrayElement>
      </PermissionBundleObjects>
    </AccessControlEntryObject>

  </ACEs>
</CustomAclObject>
</ObjectList>

```

## 1.7 XML-Tags mit MetaDbPropertyEntry belegen

Mit dem Attribut *MetaDbPropertyEntry* kann ein Wert aus der MetaDB gesetzt werden. Wenn es sich um ein Array handelt kann zusätzlich mit *[x]* die Position im Property-Entry vorgegeben werden, wobei *x* von 0 bis *X* geht.

```

<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <FolderObject>
    <Name>Hallo</Name>
    <Description MetaDbPropertyEntry="MAIN_MODULE_MANAGEMENT/test/MyPath[0]"/>
    <AddToFolder MetaDbPropertyEntry="MAIN_MODULE_MANAGEMENT/test/MyPath[0]"/>
  </FolderObject>

</ObjectList>

```

## 1.8 ExtendedAttribute als XML-Struktur

### 1.8.1 Alle ExtendedAttributes setzen

Um alle ExtendedAttributes eines Objektes auf ein mal zu setzen, können diese als eingebettete XML-Struktur in dem Tag *ExtendedAttributesXML* übergeben werden. Bei einem Update werden alle bereits vorhandenen ExtendedAttributes gelöscht und durch die Neuen überschrieben!

Beispiel:

für Create:

```
<FileObject>
  <Name>MyFile.txt</Name>
  <Description>Hier steht eine Beschreibung</Description>
  <Content>Hier steht der Content des Objektes</Content>
  <AddToFolder>./</AddToFolder>
  <ExtendedAttributesXML><![CDATA[
    <ExtAttAttribute1 DataType="STRING">String</ExtAttAttribute1>
    <ExtAttAttribute2 DataType="DATE" Format="yyyyMMddHHmmss">200401311215
36</ExtAttAttribute2>
    <ExtAttAttribute3 DataType="BOOLEAN">>true</ExtAttAttribute3>
  ]]></ExtendedAttributesXML>
</FileObject>
```

für Update:

```
<FileObject>
  <Update>/MyFile.txt</Update>
  <ExtendedAttributesXML><![CDATA[
    <ExtAttAttribute1 DataType="STRING">String</ExtAttAttribute1>
    <ExtAttAttribute2 DataType="DATE" Format="yyyyMMddHHmmss">200401311215
36</ExtAttAttribute2>
    <ExtAttAttribute3 DataType="BOOLEAN">>true</ExtAttAttribute3>
  ]]></ExtendedAttributesXML>
</FileObject>
```

## 1.8.2 Vorhandene ExtendedAttributes ändern

Um bereits gesetzte ExtendedAttributes zu ändern, kann in dem Tag UpdateExtendedAttributes eine XML-Struktur der zu ändernden, bzw. zu löschenden ExtendedAttributes übergeben werden. Bereits vorhandene ExtendedAttributes, aber nicht in der XML-Struktur übergebene ExtendedAttributes werden nicht verändert!

Beispiel:

```
<FileObject>
  <Update>MyFile.txt</Update>
  <UpdateExtendedAttributes><![CDATA[
    <ExtAttAttribute2 remove="true" />
    <ExtAttAttribute3 DataType="BOOLEAN">>false</ExtAttAttribute3>
    <ExtAttAttribute4 DataType="STRING">String2</ExtAttAttribute4>
  ]]></UpdateExtendedAttributes>
</FileObject>
```

## 1.9 ARRAY-Attribute per XML ändern

Beispiel einer XML, die diese anlegt und dann mit Update verändert:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <RoiTestObject SavePoint="{MyObject}">
    <Name>RoiTestObject_UpdateArrayElement.txt</Name>
    <Description>Mein erstes RoiTestObject per XML</Description>
    <TString>Dies ist mein erster String in TSTRING</TString>
```

```

<TLongText>Dies ist mein erster String in TLONGTEXT</TLongText>
<TBoolean>>true</TBoolean>
<TInteger>123456</TInteger>
<TDouble>123.789</TDouble>
<TLong>9876543210</TLong>
<TDirectoryObject RefType="Name" ClassName="DirectoryObject">roi</TDir
ectoryObject>
<TDate Format="dd.MM.yyyy HH:mm:ss">12.08.2003 13:57:16</TDate>
<TSTRING_ARRAY>
  <ArrayElement>String Array-Element 1</ArrayElement>
  <ArrayElement>String Array-Element 2</ArrayElement>
  <ArrayElement>String Array-Element 3</ArrayElement>
  <ArrayElement>String Array-Element 4</ArrayElement>
  <ArrayElement>rolf.lang@agorum.com</ArrayElement>
</TSTRING_ARRAY>
<TINTEGER_ARRAY>
  <ArrayElement>501</ArrayElement>
  <ArrayElement>502</ArrayElement>
  <ArrayElement>503</ArrayElement>
  <ArrayElement>504</ArrayElement>
</TINTEGER_ARRAY>
<TDATE_ARRAY>
  <ArrayElement Format="dd.MM.yyyy HH:mm:ss">12.08.2003 13:57:16</Arra
yElement>
  <ArrayElement Format="dd.MM.yyyy HH:mm:ss">12.07.2003 12:56:15</Arra
yElement>
  <ArrayElement Format="dd.MM.yyyy HH:mm:ss">12.06.2003 11:55:14</Arra
yElement>
  <ArrayElement Format="yyyyMMddHHmmss">20030512105413</ArrayElement>
</TDATE_ARRAY>
<TBoolean_ARRAY>
  <ArrayElement>true</ArrayElement>
  <ArrayElement>false</ArrayElement>
  <ArrayElement>true</ArrayElement>
  <ArrayElement>true</ArrayElement>
</TBoolean_ARRAY>
<TLong_ARRAY>
  <ArrayElement>123000</ArrayElement>
  <ArrayElement>123001</ArrayElement>
  <ArrayElement>123002</ArrayElement>
  <ArrayElement>123004</ArrayElement>
</TLong_ARRAY>
<TDouble_ARRAY>
  <ArrayElement>10.10</ArrayElement>
  <ArrayElement>20.20</ArrayElement>
  <ArrayElement>30.33</ArrayElement>
  <ArrayElement>44.44</ArrayElement>
</TDouble_ARRAY>
<TGLOBALOBJECT_ARRAY>
  <ArrayElement RefType="Path">/</ArrayElement>
  <ArrayElement RefType="Path">/agorum</ArrayElement>
</TGLOBALOBJECT_ARRAY>
<TINTERNALOBJECT_ARRAY>
  <ArrayElement RefType="ID" ClassName="PermissionBundleObject">12100<
/ArrayElement>
  <ArrayElement RefType="Name" ClassName="PermissionBundleObject">AG_P
B_WRITE</ArrayElement>
</TINTERNALOBJECT_ARRAY>
<TDirectoryObject_ARRAY>
  <ArrayElement RefType="Name" ClassName="DirectoryUserObject">roi</Ar
rayElement>

```

```

    <ArrayElement RefType="ID" ClassName="DirectoryUserObject">11000</Ar
rayElement>
  </TDirectoryObject_ARRAY>
  <AddToFolder>/</AddToFolder>
</RoiTestObject>

<RoiTestObject>
  <Update RefType="SavePoint">${MyObject}</Update>

  <!--
    Intern werden die ArrayType in folgender Reihenfolge abgearbeitet:
    0. ArrayElement (Hier wird immer alles überschrieben, und die angege
benen Elemente neu belegt)
    1. AddArrayElement
    2. insertArrayElementAt
    3. removeArrayElementAt
    4. removeArrayElement
  -->

  <!--
    Beispiele Ausgangslage:
    +.....+.....+.....+.....+
    | OBJECTID | ATTRIBUTEID | SEQUENCE | VALUE |
    +.....+.....+.....+.....+
    | 1028915 | 1650 | 0 | String Array.Element 1 |
    | 1028915 | 1650 | 1 | String Array.Element 2 |
    | 1028915 | 1650 | 2 | String Array.Element 3 |
    | 1028915 | 1650 | 3 | String Array.Element 4 |
    | 1028915 | 1650 | 4 | rolf.lang@agorum.com |
    +.....+.....+.....+.....+
  -->

  <!-- Update the Attribute TSTRING_ARRAY -->
  <TSTRING_ARRAY>
    <AddArrayElement>String Array-Element 1 with add</AddArrayElement>
  </TSTRING_ARRAY>

  <TSTRING_ARRAY>
    <AddArrayElement>String Array-Element 2 with add</AddArrayElement>
    <AddArrayElement>String Array-Element 3 with add</AddArrayElement>
    <AddArrayElement>String Array-Element 4 with add</AddArrayElement>
  </TSTRING_ARRAY>

  <!--
    Hier wird die Position zum Attribute geschrieben, dies ist die Start
position,
    ab der alle Element in das Array eingefügt werden
  -->
  <TSTRING_ARRAY Position="0">
    <InsertArrayElementAt>Insert Element 1 at Position 0</InsertArrayEle
mentAt>
    <InsertArrayElementAt>Insert Element 2 at Position 0</InsertArrayEle
mentAt>
    <InsertArrayElementAt>Insert Element 3 at Position 0</InsertArrayEle
mentAt>
  </TSTRING_ARRAY>

  <!--
    Beispiel nach dem Insert:
    +.....+.....+.....+.....+
  ..+

```

	OBJECTID	ATTRIBUTEID	SEQUENCE	VALUE
..+	1028915	1650	0	Insert Element 1 at Position 0
	1028915	1650	1	Insert Element 2 at Position 0
	1028915	1650	2	Insert Element 3 at Position 0
	1028915	1650	3	String Array.Element 1
	1028915	1650	4	String Array.Element 2
	1028915	1650	5	String Array.Element 3
	1028915	1650	6	String Array.Element 4
	1028915	1650	7	rolf.lang@agorum.com
d	1028915	1650	8	String Array.Element 1 with ad
d	1028915	1650	9	String Array.Element 2 with ad
d	1028915	1650	10	String Array.Element 3 with ad
d	1028915	1650	11	String Array.Element 4 with ad
..+				
-->				
	<pre> &lt;TSTRING_ARRAY&gt;   &lt;RemoveArrayElementAt Position="0"/&gt;   &lt;RemoveArrayElementAt Position="8"/&gt;   &lt;RemoveArrayElementAt Position="10"/&gt;   &lt;RemoveArrayElementAt Position="2"/&gt; &lt;/TSTRING_ARRAY&gt;  &lt;TSTRING_ARRAY&gt;   &lt;RemoveArrayElement&gt;rolf.lang@agorum.com&lt;/RemoveArrayElement&gt; &lt;/TSTRING_ARRAY&gt;  &lt;!--   Beispiele nach dem Delete: </pre>			
..+				
	OBJECTID	ATTRIBUTEID	SEQUENCE	VALUE
..+	1028918	1650	.0	Insert Element 2 at Position 0
	1028918	1650	1	String Array.Element 1
	1028918	1650	2	String Array.Element 2
	1028918	1650	3	String Array.Element 3
	1028918	1650	4	String Array.Element 4

```

    | 1028918 |          1650 |          5 | String Array.Element 2 with ad
d |
    | 1028918 |          1650 |          6 | String Array.Element 4 with ad
d |
    +.....+.....+.....+.....
..+
-->

<TGLOBALOBJECT_ARRAY>
  <AddArrayElement RefType="Path">/Home</AddArrayElement>
</TGLOBALOBJECT_ARRAY>

<TGLOBALOBJECT_ARRAY>
  <RemoveArrayElementAt Position="0"/>    <!-- / Loeschen -->
  <RemoveArrayElementAt Position="1"/>    <!-- /agorum Loeschen -->
</TGLOBALOBJECT_ARRAY>

</RoiTestObject>
</ObjectList>

```

## 1.10 ClassObject

Ein *ClassObject* definiert ein Objekt in **agorum core**

### 1.10.1 Anlegen

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<ObjectList>
  <ClassObject>
    <!-- Vorgabe der ClassID -->
    <ClassObjectID reftype="ID"></ClassObjectID>
    <!-- Vorgabe der AttributeID -->
    <AttributeOffsetID></AttributeOffsetID>

    <!-- Offset für das Package der Javaklassen, die angelegt werden -->
    <PackageOffset>agorum.roi</PackageOffset>

    <!-- Name des Neuen Objectes -->
    <Name>RoiXML2TestObject</Name>
    <!-- Ableitung von Object -->
    <SuperClass RefType="Name">GlobalObject</SuperClass>
    <!-- Beschreibung des neuen Objectes -->
    <Description>Roi Testobject mit allen moeglichen Variablentypen</Description>
    <JndiNameHome></JndiNameHome>
    <JndiNameEJB>RoiXML2TestObject</JndiNameEJB>
    <EJBHomeClass>agorum.roi.ejb.interfaces.home.RoiXML2TestObjectHome</EJBHomeClass>
    <ClientBeanClass>agorum.roi.ejb.client.beans.RoiXML2TestObjectClientBean</ClientBeanClass>
    <JndiNameEntityHome></JndiNameEntityHome>
    <SelectorClassPath></SelectorClassPath>
    <CallBackClassPath>agorum.roi.ejb.callback.CustomRoiXML2TestObjectCallBack</CallBackClassPath>
    <DataBaseObjectName>ROIXML2TESTOBJECT</DataBaseObjectName>
    <ClassAcl>false</ClassAcl>
    <Abstract>false</Abstract>
    <Final>false</Final>
    <Partitioned>false</Partitioned>
    <!-- Default the same as upper (Name) -->

```

```

<UniqueName>ROIXML2TESTOBJECT</UniqueName>
<Attributes>
  <Attribute>
    <Name>TString</Name>
    <!-- Default the same as Name -->
    <Description>TString</Description>
    <DataType>STRING</DataType>
    <DataLength>255</DataLength>
    <!-- Default false -->
    <IsUnique>true</IsUnique>
    <!-- Default false -->
    <Required>false</Required>
    <!-- Default false -->
    <Indexed>true</Indexed>
    <!-- Default true -->
    <Setable>true</Setable>
    <!-- Default true -->
    <Updateable>true</Updateable>
    <!-- Default the same as upper (Name) -->
    <DataBaseObjectName>TSTRING</DataBaseObjectName>
  </Attribute>

  <Attribute>
    <Name>TLongText</Name>
    <DataType>LONGTEXT</DataType>
    <DataLength>32000</DataLength>
  </Attribute>

  <Attribute>
    <Name>TBoolean</Name>
    <DataType>BOOLEAN</DataType>
  </Attribute>

  <Attribute>
    <Name>TInteger</Name>
    <DataType>INTEGER</DataType>
    <!-- Default false -->
    <IsUnique>true</IsUnique>
    <DataLength>9</DataLength>
    <!-- Default false -->
    <Indexed>true</Indexed>
    <IndexedDataBaseObjects>TINTEGER, TLONG</IndexedDataBaseObjects>
  </Attribute>

  <Attribute>
    <Name>TLong</Name>
    <DataType>LONG</DataType>
    <!-- Default false -->
    <Indexed>true</Indexed>
    <DataLength>10</DataLength>
  </Attribute>

  <Attribute>
    <Name>TDate</Name>
    <DataType>DATE</DataType>
  </Attribute>

  <Attribute>
    <Name>TDouble</Name>
    <DataType>DOUBLE</DataType>
    <DataLength>10</DataLength>
    <DataScale>5</DataScale>

```

```
<!-- Default false -->
<IsUnique>true</IsUnique>
<UniqueDataBaseObjects>TDOUBLE, TDATE</UniqueDataBaseObjects>
</Attribute>

<Attribute>
  <Name>TGlobalObject</Name>
  <DataType>GLOBALOBJECT</DataType>
</Attribute>

<Attribute>
  <Name>TInternalObject</Name>
  <DataType>INTERNALOBJECT</DataType>
</Attribute>

<Attribute>
  <Name>TDataBaseObject</Name>
  <DataType>DATABASEOBJECT</DataType>
</Attribute>

<Attribute>
  <Name>TStringArray</Name>
  <DataType>STRING_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TBooleanArray</Name>
  <DataType>BOOLEAN_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TIntegerArray</Name>
  <DataType>INTEGER_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TLongArray</Name>
  <DataType>LONG_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TDateArray</Name>
  <DataType>DATE_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TDoubleArray</Name>
  <DataType>DOUBLE_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TGlobalObjectArray</Name>
  <DataType>GLOBALOBJECT_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TInternalObjectArray</Name>
  <DataType>INTERNALOBJECT_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TDataBaseObjectArray</Name>
```

```

    <DataType>DATABASEOBJECT_ARRAY</DataType>
  </Attribute>

  <Attribute>
    <Name>TDirectoryObjectArray</Name>
    <DataType>DIRECTORYOBJECT_ARRAY</DataType>
  </Attribute>

</Attributes>
</ClassObject>
</ObjectList>

```

## 1.10.2 Ändern

Um ein oder mehrere Attribute an ein vorhandenes Objekt anzuhängen, muss folgendes XML ausgeführt werden.

Nachdem das Script ausgeführt ist, muss noch die *ClientBean* Klasse und die *ClientBeanDefinition* Klasse um dieses Attribut erweitert werden.

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <ClassObject>
    <Update>MyTestObject</Update>
    <Attributes>

      <Attribute>
        <Name>TLongText</Name>
        <DataType>LONGTEXT</DataType>
        <DataLength>32000</DataLength>
      </Attribute>

      <Attribute>
        <Name>TBoolean</Name>
        <DataType>BOOLEAN</DataType>
      </Attribute>

      <Attribute>
        <Name>TInteger</Name>
        <DataType>INTEGER</DataType>
        <!-- Default false -->
        <IsUnique>true</IsUnique>
        <DataLength>9</DataLength>
        <!-- Default false -->
        <Indexed>true</Indexed>
        <IndexedDataBaseObjects>TINTEGER, TLONG</IndexedDataBaseObjects>
      </Attribute>

      <Attribute>
        <Name>TLong</Name>
        <DataType>LONG</DataType>
        <!-- Default false -->
        <Indexed>true</Indexed>
        <DataLength>10</DataLength>
      </Attribute>

      <Attribute>
        <Name>TDate</Name>
        <DataType>DATE</DataType>
      </Attribute>
    </Attributes>
  </ClassObject>
</ObjectList>

```

```
<Attribute>
  <Name>TDouble</Name>
  <DataType>DOUBLE</DataType>
  <DataLength>10</DataLength>
  <DataScale>5</DataScale>
  <!-- Default false -->
  <IsUnique>>true</IsUnique>
  <UniqueDataBaseObjects>TDOUBLE, TDATE</UniqueDataBaseObjects>
</Attribute>

<Attribute>
  <Name>TGlobalObject</Name>
  <DataType>GLOBALOBJECT</DataType>
</Attribute>

<Attribute>
  <Name>TInternalObject</Name>
  <DataType>INTERNALOBJECT</DataType>
</Attribute>

<Attribute>
  <Name>TDataBaseObject</Name>
  <DataType>DATABASEOBJECT</DataType>
</Attribute>

<Attribute>
  <Name>TStringArray</Name>
  <DataType>STRING_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TBooleanArray</Name>
  <DataType>BOOLEAN_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TIntegerArray</Name>
  <DataType>INTEGER_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TLongArray</Name>
  <DataType>LONG_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TDateArray</Name>
  <DataType>DATE_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TDoubleArray</Name>
  <DataType>DOUBLE_ARRAY</DataType>
</Attribute>

<Attribute>
  <Name>TGlobalObjectArray</Name>
  <DataType>GLOBALOBJECT_ARRAY</DataType>
</Attribute>

<Attribute>
```

```

    <Name>TInternalObjectArray</Name>
    <DataType>INTERNALOBJECT_ARRAY</DataType>
  </Attribute>

  <Attribute>
    <Name>TDataBaseObjectArray</Name>
    <DataType>DATABASEOBJECT_ARRAY</DataType>
  </Attribute>

  <Attribute>
    <Name>TDirectoryObjectArray</Name>
    <DataType>DIRECTORYOBJECT_ARRAY</DataType>
  </Attribute>

</Attributes>
</ClassObject>
</ObjectList>

```

## 1.11 Tag <CopyObject>

Mit dem Tag <CopyObject> können Objekte per XML kopiert werden.

Beispiel mit Beschreibung:

```

<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <!--
    Hier wird zuerst das Ziel-Objekt gelöscht, falls vorhanden
  -->
  <FileObject>
    <Delete RefType="Path">/agorum/roi/Files/d4wdemo/Entwicklung/DMS Expo
2002.sav</Delete>
    <ParentFolderOfDeleteObject RefType="Path">/agorum/roi/Files/d4wdemo/E
ntwicklung</ParentFolderOfDeleteObject>
    <DeleteIfExists/>
  </FileObject>

  <CopyObject>
    <!--
      Funktionsweise:
      Das SourceObject wird auf das DestinationObject kopiert.

      Es können Vollpfade und relative Path angegeben werden:
      /agorum/roi/Files/d4wdemo/Entwicklung/Test.doc
      oder
      ../Test.doc
      oder
      ./Entwicklung/Test.doc
      Bei relativen Pfaden, bezieht sich diese immer auf den Pfad, in den
      die XML ausgeführt wird.
    -->
    <SourceObject>/agorum/roi/Files/d4wdemo/Entwicklung/DMS Expo 2002</Sou
rceObject>
    <DestinationObject>/agorum/roi/Files/d4wdemo/Entwicklung/DMS Expo 2002
.sav</DestinationObject>

    <!--
      Optional können folgende Parameter gesetzt werden:

```

```

    Owner:    Wenn der Owner gesetzt ist, wird dieser bei den
              kopierten Objekten gesetzt. (Vererbt durch alle
              Objekte, die kopiert werden)

    Creator:  Wenn der Creator gesetzt ist, wird dieser bei
              den kopierten Objekten gesetzt. (Vererbt durch
              alle Objekte, die kopiert werden)

    Acl:      Wenn der Acl gesetzt wird, wird dieser ACL bei
              den kopierten Objekten gesetzt. (Vererbt durch
              alle Objekte, die kopiert werden)

-->
<Owner>d4wdemo_vb</Owner>
<Creator>d4wdemo_pr</Creator>
<Acl>public</Acl>
</CopyObject>
</ObjectList>

```

## 1.12 Tag <MetaDb>

Mit dem Tag <MetaDb> können folgende MetaDB-Funktionen aufgerufen werden:

- *WarmupMetaDb*: MetaDb-Cache löschen und neu aufbauen.

Besipiel:

```

<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <!--
    Benutzer löschen
  -->
  <DirectoryUserObject>
    <Delete RefType="Name" ClassName="DirectoryUserObject">max.muster</Delete>
  </DirectoryUserObject>

  <!--
    MetaDb-Cache wird gelöscht und neu aufgebaut,
    damit Benutzer erneut angelegt werden kann!
  -->
  <MetaDb>
    <WarmupMetaDb/>
  </MetaDb>

  <!--
    Benutzer wieder anlegen
  -->
  <NewUser>
    <UserName>max.muster</UserName>
    <Password>max.muster</Password>
    <EmailAddresses>max.muster</EmailAddresses>
    <GivenName>Muster</GivenName>
    <DestinationFolder>/agorum/roi/Administration/User</DestinationFolder>
  >
  </NewUser>
</ObjectList>

```

## 1.13 Auslesen von Daten per XML

Per XML können Daten auch ausgelesen werden:

Als Rückgabe wird in der API ein Vector mit den Return-Werten als Objekt zurückgegeben. Werden mehrere Return-Werte definiert so werden die Ergebnisse im Vector abgelegt, in der Reihenfolge wie diese definiert wurden. (Erste Definition Vector[0] , 2te Definition Vector[1] u.s.w).

Im Vector selbst steht für jeden Wert ein *agorum.roi.ejb.common.AttributeValue* - Objekt.

Ist kein Return-Wert definiert, so wird ein leerer Vector zurückgegeben (*new Vector()*)

Syntax:

```
<FileObject>
  <XMLReturn>./MeinReturnObject</XMLReturn>
  <XMLReturnValue>ID<XMLReturnValue>
</FileObject>
```

Für die Beschreibung des Tag's *<XMLReturn>* siehe Beschreibung des Tag's *<AddToFolder>*.

Beim Tag *<XMLReturnValue>* wird das Attribute eingetragen, das zurück gegeben werden soll. Es gibt drei Ausnahmen:

- *ID*: Hier wird ein *AttributeValue* für einen *Long* erzeugt.
- *SuperObjectClientBean*: Dies ist das *ClientBean* selbst und für dieses wird ein eigenes *AttributeValue* erzeugt.
- *CONTENT*: Der Content wird also String in einem *AttributeValue* zurückgegeben.

Ansonst können alle Attribute des Objektes vorgegeben werden.

Beispiel:

```
<FileObject>
  <XMLReturn RefType="SavePoint">${MeinReturnObject}</XMLReturn >

  <!-- Rückgabe der ID des Objektes -->
  <XMLReturnValue>ID<XMLReturnValue>

  <!-- Rückgabe des Objektes selbst -->
  <XMLReturnValue>SuperObjectClientBean<XMLReturnValue>

  <!-- Rückgabe des Contents des Objektes -->
  <XMLReturnValue>Content<XMLReturnValue>

  <!-- Rückgabe des Attributes NAME des Objektes -->
  <XMLReturnValue>Name<XMLReturnValue>
</FileObject>

<FileObject>
  <XMLReturn RefType="SavePoint">${MeinReturnObject}</XMLReturn >

  <!-- Rückgabe der ID des Objektes -->
```

```
<XMLReturnValue>ID<XMLReturnValue>
<FileObject>
```

In diesem Beispiel werden 5 *AttributeValues* im Vector zurückgegeben.

## 1.14 Webservice per XML ausführen (ParseXmlService)

Beispiel:

Hier werden per XML auf einem entfernten Rechner in zwei Jobs zwei Ordner angelegt.

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <ParseXmlService>
    <!-- Die XML die versendet werden soll -->
    <Jobs>
      <job><![CDATA[<ObjectList>
        <FolderObject>
          <Name>TestFolderPerWebService und XML 1</Name>
          <Description>Mein erster Folder per XML</Description>
          <AddToFolder>/Home/roi/MyFiles</AddToFolder>
        </FolderObject>
      </ObjectList>]]></job>
      <job><![CDATA[<ObjectList>
        <FolderObject>
          <Name>TestFolderPerWebService und XML 2</Name>
          <Description>Mein erster Folder per XML</Description>
          <AddToFolder>/Home/roi/MyFiles</AddToFolder>
        </FolderObject>
      </ObjectList>]]></job>
    </Jobs>
    <!-- Service URL -->
    <Servers>
      <Server>
        <url>http://roihost/dynawebservices/call</url>
        <!-- Logindaten -->
        <LoginUser>roi</LoginUser>
        <LoginPassword>roi</LoginPassword>

        <!--
          TransactionTimeout in secunden
          Default : 30000 msec
        -->
        <TransactionTimeout>30000</TransactionTimeout>
      </Server>
    </Servers>
  </ParseXmlService>

</ObjectList>
```

Es können auch wie folgt Services an den nächsten Rechner weitergegeben werden, wenn der Aufbau wie folgt ist:

```
<?xml version = "1.0" encoding="ISO-8859-1"?>
<ObjectList>

  <ParseXmlService>
```

```

<!-- Die XML die versendet werden soll -->
<Jobs>
  <job><![CDATA[<ObjectList>
    <FolderObject>
      <Name WithId="true">TestFolderPerWebService und XML
1_$$ID$$</Name>
      <Description>Mein erster Folder per XML</Description>
      <AddToFolder>/Home/roi/MyFiles</AddToFolder>
    </FolderObject>
  </ObjectList>]]></job>
  <job><![CDATA[<ObjectList>
    <FolderObject>
      <Name WithId="true">TestFolderPerWebService und XML
2_$$ID$$</Name>
      <Description>Mein erster Folder per XML</Description>
      <AddToFolder>/Home/roi/MyFiles</AddToFolder>
    </FolderObject>
  </ObjectList>]]></job>

  <job>&lt;ObjectList&gt;

    &lt;ParseXmlService&gt;
      &lt;!-- Die XML die versendet werden soll --&gt;
      &lt;Jobs&gt;
        &lt;job&gt;&amp;lt;ObjectList&amp;gt;
          &amp;lt;FolderObject&amp;gt;
            &amp;lt;Name
WithId="true"&amp;gt;TestFolderPerWebService und XML
1_$$ID$$&amp;lt;/Name&amp;gt;
              &amp;lt;Description&amp;gt;Mein erster Folder per
XML&amp;lt;/Description&amp;gt;
&amp;lt;AddToFolder&amp;gt;/Home/roi/MyFiles&amp;lt;/AddToFolder&amp;gt;
            &amp;lt;/FolderObject&amp;gt;
          &amp;lt;/ObjectList&amp;gt;&lt;/job&gt;
        &lt;job&gt;&amp;lt;ObjectList&amp;gt;
          &amp;lt;FolderObject&amp;gt;
            &amp;lt;Name
WithId="true"&amp;gt;TestFolderPerWebService und XML
2_$$ID$$&amp;lt;/Name&amp;gt;
              &amp;lt;Description&amp;gt;Mein erster Folder per
XML&amp;lt;/Description&amp;gt;
&amp;lt;AddToFolder&amp;gt;/Home/roi/MyFiles&amp;lt;/AddToFolder&amp;gt;
            &amp;lt;/FolderObject&amp;gt;
          &amp;lt;/ObjectList&amp;gt;&lt;/job&gt;

        &lt;/Jobs&gt;
      &lt;!-- Service URL --&gt;
      &lt;Servers&gt;
        &lt;Server&gt;
          &lt;url&gt;http://roihost/dynawebervices/call&lt;/url&gt;
          &lt;!-- Logindaten --&gt;
          &lt;LoginUser&gt;roi&lt;/LoginUser&gt;
          &lt;LoginPassword&gt;roi&lt;/LoginPassword&gt;

          &lt;!--
            TransactionTimeout in secunden
            Default : 30000 msec
          --&gt;
          &lt;TransactionTimeout&gt;30000&lt;/TransactionTimeout&gt;
        &lt;/Server&gt;

```

```

        &lt;/Servers&gt;
        &lt;/ParseXmlService&gt;

    &lt;/ObjectList&gt;</job>

</Jobs>
<!-- Service URL -->
<Servers>
    <Server>
        <url>http://roihost/dynawebsservices/call</url>
        <!-- Logindaten -->
        <LoginUser>roi</LoginUser>
        <LoginPassword>roi</LoginPassword>

        <!--
            TransactionTimeout in secunden
            Default : 30000 msec
        -->
        <TransactionTimeout>30000</TransactionTimeout>
    </Server>
</Servers>
</ParseXmlService>

</ObjectList>

```

### Beschreibung:

*Job in Job* heißt: CDATA nicht verwenden und < durch &lt; und > durch &gt; ersetzen. Sollte in diesem Job noch ein Job eingebunden werden müssen dort folgende Ersetzungen durchgeführt werden:

< durch &lt;  
> durch &gt;

Wenn dann noch ein Job in diesem Job gesetzt wird müssen folgende Ersetzungen durchgeführt werden:

< durch &lt;&lt;  
> durch &gt;&gt;

Das bedeutet, für jeden weiteren Job im Job wird immer das & vom letzten *amp* durch & ersetzt.

## 2. Webservices

With the `WebService` interface you are able to use the full power of **agorum core**: Storing or converting files, controlling access, fulltext search, generating different objects, like mails and so on.

This chapter should give you an overview of all `WebService` functions and is also a reference overview, when programming with this interface.

Every `WebService` function has one in-parameter and one out-parameter. In-parameters are always ending with the prefix *RequestBean* and all out-parameters with the prefix *ResponseBean*. The beans are partially derived from each other.

### 2.1 Common Beans

This chapter shows the dependencies of some common beans. You have to keep this in mind when programming the interface. When using a bean and its attributes you have look also for the attributes of its superclasses.

#### 2.1.1 RequestBeans

##### 2.1.1.1 GenericRequestBean

GenericResponseBean		
wsSessionId	String	The sessionId of the Webservice to identify the user.

##### 2.1.1.2 DynaGenericRequestBean

DynaGenericResponseBean		
transactionId	String	An ID for identifying a transaction context.
serviceMethod	String	The name of the method that is actually called. E.g.: <i>login</i> , <i>addItemToFolder</i> , <i>getItemsFromFolder</i> , ...
needsConnection	boolean	TODO Default: <i>true</i>

##### 2.1.1.3 BaseItemsRequestBean

BaseItemsRequestBean		
requestAttributes	String[]	An array of attributes, that should be returned from the results. Passing <i>ID</i> and <i>ANYFOLDER</i> returns the id and the fullpath of each found object. With the suffix <i>extended</i> : an extended attribute is get, e.g.: <i>extended:ATTRNAME</i> gets the extended Attribute <i>ATTRNAME</i>
itemsPerRequest	int	Number of results that should be returned.
startItem	int	The number of the item, from that the retrieved results should begin. With that following functions are possible: "Look for all items that match query and return all items from 10-20."

requestId	long	An ID for identifying this request/response. With this id you have the possibility to identify your request if you request only part of the found objects (see <i>itemsPerRequest</i> and <i>startItem</i> ). This is much more faster than a new search! ( <b>This functionality is not implementet yet!</b> )
-----------	------	---

## 2.1.2 ResponseBeans

### 2.1.2.1 GenericResponseBean

GenericResponseBean		
wsSessionId	String	The sessionId of the WebService to identify the user.
logMessage	String	Contains logging messages.
logError	String	Contains detailed error messages.
errorKey	String	Contains an error key if an error occurs.

### 2.1.2.2 DynaGenericResponseBean

DynaGenericResponseBean		
transactionId	String	An ID for identifying a transaction context.
errorCode	int	Contains an error number.

### 2.1.2.3 BaseItemsResponseBean

BaseItemsResponseBean		
items	ItemBean[]	An array of <i>ItemBean</i> objects, that contains information about each returned object.
resultCount	int	Number of returned objects.
requestId	long	An ID for identifying this request/response. With this id you have the possibility to identify your next request if you request only part of the found objects (see <i>BaseItemsRequestBean.itemsPerRequest</i> and <i>BaseItemsRequestBean.startItem</i> ). This is much more faster than a new search! ( <b>This functionality is not implementet yet!</b> )

## 2.1.3 Other Beans

### 2.1.3.1 ObjectLookupBean

The *ObjectLookupBean* is used to identify objects within ngOS. An object can be either identified by its *objectId* or by its *fullPath*. Some objects (e.g. *DirectoryObjectUser*, *DirectoryObjectGroup*, etc.) can be uniquely identified by a *className* and a *name*.

ObjectLookupBean		
objectId	long	The id of an object, that should be identified.
fullPath	String	The fullpath to the object, that should be identified.
name	String	In conjunction with <i>className</i> : The name of the object that should be identified.

className	String	In conjunction with <i>name</i> : The type of the object that should be identified.
-----------	--------	---

### 2.1.3.1.1 Examples

Identifies the user *test.user*:

Used attributes in the ObjectLookupBean		
name		<i>test.user</i>
className		<i>DirectoryUserObject</i>

Identifies the folder *Files* beneath */agorum/roi*:

Used attributes in the ObjectLookupBean		
fullPath		<i>/agorum/roi/Files</i>

### 2.1.3.2 ItemBean

ItemBean		
attributes	String[]	A string array with the requested attributes of each object. The attributes are returned in the same order as they were requested in the <i>BaseItemsRequestBean.requestAttributes</i> .

## 2.2 StaticNgOsService

This provider supports basic functionality.

### 2.2.1 WSDL

<http://roihost/dynawebservices/wsdl/StaticNgOsService>

### 2.2.2 Methods

#### 2.2.2.1 login

Login to **agorum core**. The *wsSessionId* is returned in the ResponseBean. Use this session id for further actions.

RequestBean (LoginRequestBean)		
Attribute	Type	Description
userName	String	Defines the name of the user.
passWord	String	Defines the password of the user.
ResponseBean (LoginResponseBean)		
Attribute	Type	Description
connected	boolean	Is connected?

wsSessionId	String	Inherited from <a href="#">GenericResponseBean</a>
-------------	--------	--

### 2.2.2.2 extendedLogin

Extended login to **agorum core**. Here you can set a module and an client info. This can be useful for statistics for SessionInfo. The *wsSessionId* is returned in the ResponseBean. Use this session id for further actions.

RequestBean (ExtendedLoginRequestBean)		
Attribute	Type	Description
userName	String	Defines the name of the user.
passWord	String	Defines the password of the user.
moduleInfo	String	Defines the module info string / name.
clientInfo	String	Defines the client info string.
ResponseBean (ExtendedLoginResponseBean)		
Attribute	Type	Description
connected	boolean	Is connected?
wsSessionId	String	Inherited from <a href="#">GenericResponseBean</a>

### 2.2.2.3 logout

Logout from **agorum core**.

RequestBean (LogoutRequestBean)		
Attribute	Type	Description
-		
ResponseBean (LogoutResponseBean)		
Attribute	Type	Description
-		

### 2.2.2.4 isConnected

Checks if the session with the given session id is still connected.

RequestBean (IsConnectedRequestBean)		
Attribute	Type	Description
-		
ResponseBean (IsConnectedResponseBean)		
Attribute	Type	Description

isConnected	boolean	Is the session still connected?
-------------	---------	---------------------------------

### 2.2.2.5 getText

Get the localized texts with the given text keys.

RequestBean (GetTextRequestBean)		
Attribute	Type	Description
textKeys	String[]	The text keys in an array.
ResponseBean (LogoutResponseBean)		
Attribute	Type	Description
texts	String[]	The localized texts in an array.

### 2.2.2.6 getDeploymentDescriptor

This method is deprecated.

### 2.2.2.7 getProperty

This method is deprecated. Use the [NgOSMetaDbService](#) instead.

### 2.2.2.8 listProperties

This method is deprecated. Use the [NgOSMetaDbService](#) instead.

### 2.2.2.9 getPropertyChanges

This method is deprecated. Use the [NgOSMetaDbService](#) instead.

## 2.3 ClientExecute

This is the provider for some functions used by the WinClient.

### 2.3.1 WSDL

<http://roihost/dynawebseervices/wsd/ClientExecute>

### 2.3.2 Methods

callClient, getExecuteCommand, getOpenFolderCommand, getPortalMenu, getQuickSearch, getUniqueId

## 2.4 NgOSAdministrationService

This provider supports methods for the user, group and acl management.

## 2.4.1 WSDL

<http://roihost/dynawebservices/wsd/NgOSAdministrationService>

## 2.4.2 Common Beans

### 2.4.2.1 AccessControlEntryBean

Attribute	Type	Description
member	ObjectLookupBean	The grantee/revokee of the ACL.
permissionBundle	String	The name of the permission bundle that should be granted or revoked. Values: <i>AG_PB_ALL</i> , <i>AG_PB_WRITE</i> , <i>AG_PB_PROTECTED</i> , <i>AG_PB_READ</i>
mode	String	Values: <i>grant</i> or <i>revoke</i>

## 2.4.3 Methods

### 2.4.3.1 createUser

RequestBean (CreateUserRequestBean)		
Attribute	Type	Description
userName	String	The name of the new user.
aliases	String[]	The alias names of the user.
eMailAddresses	String	Mail addresses are seperated with ';' or ','
passWord	String	The password of the user.
adminEnabled	boolean	Set to <i>true</i> if the user should have admin rights.
description	String	The description of the user.
familyName	String	The family name of the user.
givenName	String	The first name of the user.
language	String	The language of the user (e.g. for the web interface). Values: <i>en</i> , <i>de</i>
mandatorIdent	String	Identifies the mandator.
destinationFolder	ObjectLookupBean	Defines the folder where the new user should be created.
ResponseBean (CreateUserResponseBean)		
Attribute	Type	Description
user	ObjectLookupBean	The created user.

### 2.4.3.2 modifyUser

RequestBean (ModifyUserRequestBean)		
Attribute	Type	Description
user	ObjectLookupBean	Defines the user that should be modified.

aliases	String[]	The alias names of the user. The existing alias names will be overwritten!
userName	String	The new user name.
eMailAddresses	String	Mail addresses are seperated with ';' or ','. The existing mail addresses will be overwritten!
passWord	String	The new password.
adminEnabled	boolean	Defines if the user should have admin rights or not.
description	String	The new description.
familyName	String	The new family name.
givenName	String	the new first name.
language	String	The new language of the user. Values: <i>en, de</i>
mandatorIdent	String	The new mandator identifier.

**ResponseBean (AdministrationResponseBean)**

Attribute	Type	Description
-		

**2.4.3.3 deleteUser**

**RequestBean (DeleteUserRequestBean)**

Attribute	Type	Description
user	ObjectLookupBean	Defines the user that should be deleted.
deleteHomeFolder	boolean	Defines if the user home folder should be deleted. Default: <i>true</i>
owningUser	ObjectLookupBean	Defines the user that inherits all documents from this user (means <i>creator, owner, lastModifier</i> ).

**ResponseBean (AdministrationResponseBean)**

Attribute	Type	Description
-		

**2.4.3.4 getAssociatedAclsOfDirectoryUser**

**RequestBean (GetAssociatedAclsOfDirectoryUserRequestBean)**

Attribute	Type	Description
directoryUser	ObjectLookupBean	Defines the user from that the associated ACLs should be retrieved.

**ResponseBean (ItemsResponseBean)**

Attribute	Type	Description
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>

resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

### 2.4.3.5 createGroup

<b>RequestBean (CreateGroupRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
name	String	The name of the new group.
description	String	The description of the new group.
destinationFolder	ObjectLookupBean	Defines the folder where the new group should be created.
<b>ResponseBean (CreateGroupResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
group	ObjectLookupBean	The created group.

### 2.4.3.6 modifyGroup

<b>RequestBean (ModifyGroupRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
group	ObjectLookupBean	Defines the group that should be modified.
name	String	The new name of the group.
description	String	The new description of the group.
<b>ResponseBean (AdministrationResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

### 2.4.3.7 getAssociatedAclsOfDirectoryGroup

<b>RequestBean (GetAssociatedAclsOfDirectoryGroupRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
directoryGroup	ObjectLookupBean	Defines the group from that the associated ACLs should be retrieved.
<b>ResponseBean (ItemsResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>
resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

### 2.4.3.8 getGroupMembers

<b>RequestBean (GetGroupMembersRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
group	ObjectLookupBean	Defines the group from that the members should be retrieved.
<b>ResponseBean (ItemsResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>
resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

### 2.4.3.9 addToGroup

<b>RequestBean (AddToGroupRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
group	ObjectLookupBean	Defines the group to that the new members should be added.
members	ObjectLookupBean[]	Defines the (new) members (users and groups) that should be added.
<b>ResponseBean (AdministrationResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

### 2.4.3.10 removeFromGroup

<b>RequestBean (RemoveFromGroupRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
group	ObjectLookupBean	Defines the group from that members should be removed.
members	ObjectLookupBean[]	Defines the members (users and groups) that should be removed.
<b>ResponseBean (AdministrationResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

### 2.4.3.11 createAcl

<b>RequestBean (CreateAclRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
name	String	The name of the new ACL.

description	String	The description of the new ACL.
destinationFolder	ObjectLookupBean	Defines the folder where the new ACL should be created.
<b>ResponseBean (CreateGroupResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
ACL	ObjectLookupBean	The created ACL.

#### 2.4.3.12 modifyACL

<b>RequestBean (ModifyAclRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
acl	ObjectLookupBean	Defines the ACL that should be modified.
name	String	The new name of the ACL.
description	String	The new description of the ACL.
<b>ResponseBean (AdministrationResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

#### 2.4.3.13 getAclEntries

<b>RequestBean (GetAclEntriesRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
acl	ObjectLookupBean	Defines the ACL from that the entries should be retrieved.
<b>ResponseBean (GetAclEntriesResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
accessControlEntries	AccessControlEntryBean[]	The entries of that ACL.

#### 2.4.3.14 addToAcl

<b>RequestBean (AddToAclRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
acl	ObjectLookupBean	Defines the ACL to that the new entries should be added.
accessControlEntries	AccessControlEntryBean[]	Defines the (new) entries that should be added.
<b>ResponseBean (AdministrationResponseBean)</b>		

Attribute	Type	Description
-		

#### 2.4.3.15 removeFromAcl

RequestBean (RemoveFromAclRequestBean)		
Attribute	Type	Description
acl	ObjectLookupBean	Defines the ACL from that entries should be removed.
members	ObjectLookupBean[]	Defines the entries that should be removed.
-		
ResponseBean (AdministrationResponseBean)		
Attribute	Type	Description
-		

#### 2.4.3.16 getAssociatedGroupsOfDirectoryObject

RequestBean (GetAssociatedGroupsOfDirectoryObjectRequestBean)		
Attribute	Type	Description
directoryObject	ObjectLookupBean	Defines the directory object (user or group) from that the associated groups should be retrieved.
depth	int	Defines the step depth. The value 0 means all!
unique	boolean	If set to true, no members of duplicate groups will be returned.
-		
ResponseBean (ItemsResponseBean)		
Attribute	Type	Description
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>
resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

#### 2.4.3.17 getActualUserData

Get information about the actual logged in user.

RequestBean (DynaGenericRequestBean)		
Attribute	Type	Description
-		
ResponseBean (UserDataResponseBean)		
Attribute	Type	Description
userName	String	The name of the actual logged in user

userId	long	The id of the actual logged in user.
aliases	String[]	The aliases of the actual logged in user.

### 2.4.3.18 getFreeDBSize

RequestBean (DynaGenericRequestBean)		
Attribute	Type	Description
-		
ResponseBean (GetFreeDBSizeResponseBean)		
Attribute	Type	Description
freeDBSize	long	The amount of free database space in bytes.

## 2.5 NgOSEventAssistanceService

Functions for the EventAssistance (Notifications).

### 2.5.1 WSDL

<http://roihost/dynawebseervices/wsd/NgOSEventAssistanceService>

### 2.5.2 Methods

eventAssistanceCreateUserControlObjects, eventAssistanceDeleteAllItems, eventAssistanceDeleteItems, eventAssistanceGetItems, eventAssistanceGetUserControlObjects, eventAssistanceHasNewItems, eventAssistanceHasNewItemsExtended, eventAssistanceIsUserControlObject, eventAssistanceRemoveUserControlObjects

## 2.6 NgOSFilingService

This provider supports methods for object handling (copy, move, delete, (un)lock, addToFolder, deleteFromFolder), file infos and file handling (up- and download).

### 2.6.1 WSDL

<http://roihost/dynawebseervices/wsd/NgOSFilingService>

### 2.6.2 Methods

#### 2.6.2.1 copyObject

Copy an object to a destination folder, the result contains the information about the new created object.

RequestBean (CopyObjectRequestBean)		
Attribute	Type	Description

object	ObjectLookupBean	Defines the object that should be copied.
toFolder	ObjectLookupBean	Defines the destination folder to that the object should be copied.
requestAttributes	String[]	Inherited from <i>BaseItemsRequestBean</i>
itemsPerRequest	int	Inherited from <i>BaseItemsRequestBean</i>
startItem	int	Inherited from <i>BaseItemsRequestBean</i>
requestId	long	Inherited from <i>BaseItemsRequestBean</i>
<b>ResponseBean (ItemsResponseBean)</b>		
Attribute	Type	Description
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>
resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

### 2.6.2.2 moveObject

Move an object from a source folder to a destination folder.

<b>RequestBean (MoveObjectRequestBean)</b>		
Attribute	Type	Description
object	ObjectLookupBean	Defines the object that should be moved.
fromFolder	ObjectLookupBean	Defines the source folder from where the object should be removed.
toFolder	ObjectLookupBean	Defines the destination folder to that the object should be moved to.
<b>ResponseBean (FilingResponseBean)</b>		
Attribute	Type	Description
-		

### 2.6.2.3 moveObjectRelative

Move an object to a relative destination folder.

If the *fullPath* attribute in the *object*-ObjectLookupBean is used, the destination folder is calculated from this path. If the calculated destination folder does not exist, the service will fail.

If the *fullPath* attribute is not used the service tries to calculate the destination folder by its own.

**Warning:** If the object (not defined with the *fullPath* attribute) is linked to more than one folder, the first matching/existing destination folder relative from one of the source folders is used! This may be an other folder as expected!

<b>RequestBean (MoveObjectRelativeRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
object	ObjectLookupBean	Defines the object that should be moved.
toFolder	String	Defines the relative destination folder to that the object should be moved to. E.g.: <i>../destFolder/</i>
<b>ResponseBean (FilingResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

#### 2.6.2.4 moveOrLinkObject

Move an object from a source folder to a destination folder. If the object is not in the source folder it will be linked into to the destination folder.

<b>RequestBean (MoveOrLinkObjectRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
object	ObjectLookupBean	Defines the object that should be moved.
fromFolder	ObjectLookupBean	Defines the source folder from where the object (if available) should be removed.
toFolder	ObjectLookupBean	Defines the destination folder to that the object should be moved/linked to.
<b>ResponseBean (FilingResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

#### 2.6.2.5 linkObject

Link an object to a destination folder.

<b>RequestBean (LinkObjectRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
object	ObjectLookupBean	Defines the object that should be linked.
toFolder	ObjectLookupBean	Defines the destination folder to that the object should be linked to.
<b>ResponseBean (FilingResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

#### 2.6.2.6 deleteObject

Deletes an object (to the trash can).

<b>RequestBean (DeleteObjectRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
object	ObjectLookupBean	Defines the object that should be deleted.
deleteToRecycle	boolean	If set to <i>true</i> the object will be moved in the trash can. Otherwise it will be really delete. Default: <i>true</i>

<b>ResponseBean (FilingResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

### 2.6.2.7 lockObject

Lock an object forever or just for the actual session.

<b>RequestBean (LockObjectRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
object	ObjectLookupBean	Defines the object that should be locked.
lockState	int	Defines the lock type. Values: 1 = HardLock (Default), 4 = SessionLock

<b>ResponseBean (FilingResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

### 2.6.2.8 unlockObject

Unlock an object.

<b>RequestBean (UnlockObjectRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
object	ObjectLookupBean	Defines the object that should be unlocked.

<b>ResponseBean (FilingResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
-		

### 2.6.2.9 setAclToObject

Set an ACL to an object

<b>RequestBean (UnlockObjectRequestBean)</b>		
--	--	--

Attribute	Type	Description
object	ObjectLookupBean	Defines the object the ACL should be set to.
acl	ObjectLookupBean	Defines the ACL that should be set.
leaveAcl	boolean	Set ACL to objects beneath the defined object. E.g. to a folder structure.
sameAclOnly	boolean	Set ACL only to objects, that have the same ACL as the start object.

--

**ResponseBean (FilingResponseBean)**

Attribute	Type	Description
-		

### 2.6.2.10 addItemToFolder

Add an object to a folder.

**RequestBean (AddItemToFolderRequestBean)**

Attribute	Type	Description
object	ObjectLookupBean	Defines the object that should be added to the folder.
toFolder	ObjectLookupBean	Defines the destination folder to that the object should be added to.

--

**ResponseBean (FilingResponseBean)**

Attribute	Type	Description
-		

### 2.6.2.11 removeItemFromFolder

Remove an object from a folder.

**RequestBean (RemoveItemFromFolderRequestBean)**

Attribute	Type	Description
object	ObjectLookupBean	Defines the object that should be removed.
fromFolder	ObjectLookupBean	Defines the source folder from where the object should be removed.

--

**ResponseBean (FilingResponseBean)**

Attribute	Type	Description
-		

### 2.6.2.12 getFileSystemInfo

Returns the file info of an Object. If the object is a folder the returned informations refer to all objects beneath the folder.

**Warning:** This service may take a **long** time, depending on the amount of data beneath a folder!

<b>RequestBean (GetFileSystemInfoRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
object	ObjectLookupBean	Defines the object from that the file info should be generated.
depth	int	Defines how deep the algorithmis should go into the folder structure. No limit: 0
<b>ResponseBean (GetFileSystemInfoResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
fullpath	String	The start path.
fileSize	long	The size of all scanned files.
fileCount	long	The amount of all scanned files.
folderCount	long	The amount of all scanned folders.
otherObjectCount	long	The amount of all other scanned objects.
maxDepth	int	The maximum depth.
maxDepthPath	String	The deepest scanned object.
infoTime	long	Duration this service took in <i>ms</i> .

### 2.6.2.13 downloadFile

This method is **DEPRECATED**. Use the HTTP-Get described in the next chapter!

<b>RequestBean (DownloadFileRequestBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
object	ObjectLookupBean	Object to download
targetFormat	String	Convert document to format (values: <i>null, PDF, HTML</i> )
<b>ResponseBean (DownloadFileResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
name	String	Not used (??)
contentType	String	Not used (??)
modifyTime	long	Not used (??)

### 2.6.2.14 uploadFile

This method is **DEPRECATED**. Use the HTTP-Post described in the next chapter!

RequestBean (UploadFileRequestBean)		
Attribute	Type	Description
object	ObjectLookupBean	Update this already existing object.
destinationFolder	ObjectLookupBean	Destination folder of the new object (only if <i>object</i> is not set!)
name	String	Name of the new object (only if <i>object</i> is not set!)
ResponseBean (UploadFileResponseBean)		
Attribute	Type	Description
objectId	String	ID of the uploaded file

## 2.6.3 Converting, down- and up-loading files

### 2.6.3.1 Downloading and converting

A file can be retrieved with a normal HTTP-Get request. The URL is following:

```
http://<server>:<port>/roiwebui/wsfilings?action=download&
objectId=<objectId>&
objectFullPath=<fullPath>&
targetFormat=<format>&
transactionId=<TransactionId>&
wsSessionId=<WebService SessionId>
```

As result a stream is returned containing the content of the requested file.

Parameter	Description
server	The IP or name of the ngFS-server.
port	The HTTP-/HTTPS-Port (e.g. 80/443).
objectId <i>or</i> objectFullPath	The ID or path of the file, that should be downloaded
targetFormat	The required result format for the file, that should be downloaded. ( <i>pdf</i> , <i>html</i> (sent back as ZIP-File, which contains all data, like images and WebSites), if no targetFormat is given, the file is downloaded as is
wsSessionId	The WebService-SessionID to identify the user.
transactionId	The ID of a started transaction, within that, this download should be executed.

#### Example:

```
http://myserver:80/roiwebui/wsfilings?action=download&
objectFullPath=/agorum/roi/Files/myFile.doc&
targetFormat=pdf&
transactionId=1234&
wsSessionId=WS_445533334
```

Downloads the file */agorum/roi/Files/myFile.doc* as PDF with the WebService-SessionId: *WS\_445533334* and within the transaction *1234* from *myserver*.

### 2.6.3.2 Uploading

A file can be transferred to ngFS with a regular HTTP-Post. The URL is the following:

```
http://<server>:<port>/roiwebui/wsfilimg?action=upload&
  objectId=<id of object>&
  objectFullpath=<fullPath>&
  folderId=<folderId>&
  folderFullPath=<path to object>&
  name=<Name of new file>&
  transactionId=<TransactionId>&
  wsSessionId=<WebService SessionId>
```

The Post-Body has to contain the content of the file that should be uploaded. As result the ID of the new file is returned as a String.

Parameter	Description
server	The IP or name of the ngFS-server.
port	The HTTP-/HTTPS-Port (e.g. 80/443).
objectId <i>or</i> objectFullPath	Optional. If given, the object identified by objectId or by objectFullPath is updated.
folderId <i>or</i> folderFullPath	Optional. Is needed when uploading a new file (on update) and defines the targetFolder either by id or by path.
wsSessionId	The Webservice-SessionID to identify the user.
transactionId	The ID of a started transaction, within that, this download should be executed.

## 2.7 NgOSItemsService

This provider supports methods for looking up or selecting objects.

### 2.7.1 WSDL

<http://roihost/dynawebervices/wsd/NgOSItemsService>

### 2.7.2 Methods

#### 2.7.2.1 getItemsFromFolder

Get the subitems from a folder.

RequestBean (GetItemsFromFolderRequestBean)		
Attribute	Type	Description
folder	ObjectLookupBean	Defines the folder from that the subitems should be retrieved.
classNames	String[]	If set only objects with this class(es) and subclasses will be returned.
sortAttribute	String	Set an attribute name to sort for.

sortClassname	String	Set the class name that contains the <i>sortAttribute</i>
sortOrder	String	Defines the sort order. Values: <i>ascending</i> , <i>descending</i> , <i>ascending_ignorecase</i> , <i>descending_ignorecase</i>
requestAttributes	String[]	Inherited from <i>BaseItemsRequestBean</i>
itemsPerRequest	int	Inherited from <i>BaseItemsRequestBean</i>
startItem	int	Inherited from <i>BaseItemsRequestBean</i>
requestId	long	Inherited from <i>BaseItemsRequestBean</i>
<b>ResponseBean (ItemsResponseBean)</b>		
Attribute	Type	Description
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>
resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

### 2.7.2.2 getItemsCountFromFolder

Get the subitems count from a folder.

<b>RequestBean (GetItemsCountFromFolderRequestBean)</b>		
Attribute	Type	Description
folder	ObjectLookupBean	Defines the folder from that the subitems should be counted.
classNames	String[]	If set only objects with this class(es) and subclasses will be counted.
<b>ResponseBean (GetItemsCountFromFolderResponseBean)</b>		
Attribute	Type	Description
resultCount	long	Amount of objects beneath the folder.

### 2.7.2.3 getItemsFromRelation

Get all objects that are related to the given object (left-/ rightward-related) depending on the given RelationType.

<b>RequestBean (GetItemsFromRelationRequestBean)</b>		
Attribute	Type	Description
object	ObjectLookupBean	Object, from that the related objects should be retrieved
relationClass	String	Definition of the ngFS "RelationType"
listDirection	String	Definition of the relation direction: <i>leftWard</i> (retrieves all leftward related objects) and <i>rightWard</i> (retrieves all rightward related objects)
requestAttributes	String[]	Inherited from <i>BaseItemsRequestBean</i>
itemsPerRequest	int	Inherited from <i>BaseItemsRequestBean</i>

startItem	int	Inherited from <i>BaseItemsRequestBean</i>
requestId	long	Inherited from <i>BaseItemsRequestBean</i>
<b>ResponseBean (ItemsResponseBean)</b>		
Attribute	Type	Description
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>
resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

#### 2.7.2.4 getItemsAttributes

Get the attributes from one or many objects.

<b>RequestBean (GetItemsAttributesRequestBean)</b>		
Attribute	Type	Description
objects	ObjectLookupBean[]	A list of objects, from that the attributes should be retrieved.
requestAttributes	String[]	Inherited from <i>BaseItemsRequestBean</i>
itemsPerRequest	int	Inherited from <i>BaseItemsRequestBean</i>
startItem	int	Inherited from <i>BaseItemsRequestBean</i>
requestId	long	Inherited from <i>BaseItemsRequestBean</i>
<b>ResponseBean (ItemsResponseBean)</b>		
Attribute	Type	Description
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>
resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

#### 2.7.2.5 getObjectByAttribute

Gets objects from ngFS by directly selecting them. This is in the most cases faster than going over the *NgOSSearchService* (see below).

<b>RequestBean (GetObjectByAttributeRequestBean)</b>		
Attribute	Type	Description
attributeName	String	The name of the attribute, that should be used as a condition. E.g.: <i>NAME</i>
attributeValueFormat	String	The format of the given <i>attributeValue</i> . If it is a Date for example you have to define how you are passing the date: <i>yyyyMMddHHmmss</i>

attributeValueType	int	Defines the format for the attribute defined in <i>attributeName</i> : 0 (String), 1 (Integer), 2 (Long), 3 (Boolean), 4 (GlobalObject), 5 (Date), 6 (Double)
attributeValue	String	The value that <i>attributeName</i> should have (as a condition). You can use wildcards: <i>XY%</i>
attributeValueObjectLookupBean	ObjectLookupBean	If you have to pass a <i>GlobalObject</i> you have to set it by using this attribute instead of <i>attributeValue</i> .
objectClassName	String	Defines the name of the class, where to search in. E.g.: <i>FileObject</i> looks for attributes defined in FileObjects and only returns FileObjects and subclasses.
operator	String	Operator can be: <, >, =, <=, >=
ignoreCase	boolean	If <i>true</i> , the select does not care about case sensitivity. Default: <i>false</i>
requestAttributes	String[]	Inherited from <i>BaseItemsRequestBean</i>
itemsPerRequest	int	Inherited from <i>BaseItemsRequestBean</i>
startItem	int	Inherited from <i>BaseItemsRequestBean</i>
requestId	long	Inherited from <i>BaseItemsRequestBean</i>
<b>ResponseBean (ItemsResponseBean)</b>		
<b>Attribute</b>	<b>Type</b>	<b>Description</b>
items	ItemBean[]	Inherited from <i>BaseItemsResponseBean</i>
resultCount	int	Inherited from <i>BaseItemsResponseBean</i>
requestId	long	Inherited from <i>BaseItemsResponseBean</i>

## 2.8 NgOSObjectService

Functions for low-level object handling, e.g. to get information about the structure of an object.

### 2.8.1 WSDL

<http://roihost/dynawebservices/wsd/NgOSObjectService>

### 2.8.2 Methods

getAllAttributesFromClassname, getAllClassObjects, getEffectiveAttributesFromClassname

## 2.9 NgOSParseXmlService

Service for parsing a xml.

### 2.9.1 WSDL

<http://roihost/dynawebservices/wsd/NgOSParseXmlService>

### 2.9.2 Methods

#### 2.9.2.1 parse

Parse a NgOs-XML. The XML syntax is documented in the XML-Parser chapter.

RequestBean (ParseXMLRequestBean)		
Attribute	Type	Description
innerXML	String	The NgOs-XML as a string.
ResponseBean (ParseXMLResponseBean)		
Attribute	Type	Description
returnValues	String[]	The values returned from the XML parser.

## 2.10 NgOSSearchService

Service for using the fulltext search.

### 2.10.1 WSDL

<http://roihost/dynawebservices/wsd/NgOSSearchService>

### 2.10.2 Methods

search

## 2.11 NgOSSettingsService

Modify or get user settings.

### 2.11.1 WSDL

<http://roihost/dynawebservices/wsd/NgOSSettingsService>

### 2.11.2 Methods

getUserSetting, setUserSetting

## 2.12 NgOSSystemService

System services (transaction handling).

### 2.12.1 WSDL

<http://roihost/dynawebseervices/wsd/NgOSSystemService>

### 2.12.2 Methods

abortTransaction, beginTransaction, endTransaction, getSessionInfo

## 2.13 Report

Service for report generation.

### 2.13.1 WSDL

<http://roihost/dynawebseervices/wsd/Report>

### 2.13.2 Methods

generateReport, printReport

## 2.14 DocumentService

Service for converting and printing documents.

### 2.14.1 WSDL

<http://roihost/dynawebseervices/wsd/DocumentService>

### 2.14.2 Methods

callDocumentService, documentServiceLogin, documentServiceLogout

## 2.15 NgOSMetaDbService

This provider supports methods for the MetaDb.

### 2.15.1 WSDL

<http://roihost/dynawebseervices/wsd/NgOSMetaDbService>

### 2.15.2 Common Beans

#### 2.15.2.1 MetaDbObjectLookupBean

Attribute	Type	Description
propertyKey	String	The key needed to access/identify a MetaDb object.

name	String	Inherited from <i>ObjectLookupBean</i>
objectId	long	Inherited from <i>ObjectLookupBean</i>
fullPath	String	Inherited from <i>ObjectLookupBean</i>

## 2.15.3 Methods

### 2.15.3.1 createPropertyBundle

<b>RequestBean (CreatePropertyBundleRequestBean)</b>		
Attribute	Type	Description
name	String	
description	String	
destinationFolder	ObjectLookupBean	
<b>ResponseBean (CreatePropertyBundleResponseBean)</b>		
Attribute	Type	Description
metaDbObject	MetaDbObjectLookupBean	

### 2.15.3.2 updatePropertyBundle

<b>RequestBean (UpdatePropertyBundleRequestBean)</b>		
Attribute	Type	Description
metaDbEntryObject	MetaDbObjectLookupBean	
name	String	
description	String	
<b>ResponseBean (DynaGenericResponseBean)</b>		
Attribute	Type	Description
-		

### 2.15.3.3 createPropertyEntry

<b>RequestBean (CreatePropertyEntryRequestBean)</b>		
Attribute	Type	Description
name	String	
entryValue	String[]	
entryDataType	long	<i>entryValue</i> datatype (Values: 1 = String, 64 = String[], 4096 = Content, 8192 = Encrypted)
description	String	
destinationFolder	ObjectLookupBean	
<b>ResponseBean (CreatePropertyEntryResponseBean)</b>		

Attribute	Type	Description
metaDbObject	MetaDbObjectLookupBean	

### 2.15.3.4 updatePropertyEntry

RequestBean (UpdatePropertyEntryRequestBean)		
Attribute	Type	Description
metaDbBundleObject	MetaDbObjectLookupBean	
name	String	
entryValue	String[]	
entryDataType	long	<i>entryValue</i> datatype (Values: 1 = String, 64 = String[], 4096 = Content, 8192 = Encrypted)
description	String	
ResponseBean (DynaGenericResponseBean)		
Attribute	Type	Description
-		

### 2.15.3.5 createPropertyGroup

RequestBean (CreatePropertyGroupRequestBean)		
Attribute	Type	Description
name	String	
description	String	
destinationFolder	ObjectLookupBean	
ResponseBean (CreatePropertyGroupResponseBean)		
Attribute	Type	Description
metaDbObject	MetaDbObjectLookupBean	

### 2.15.3.6 updatePropertyGroup

RequestBean (UpdatePropertyGroupRequestBean)		
Attribute	Type	Description
metaDbGroupObject	ObjectLookupBean	
name	String	
description	String	
ResponseBean (DynaGenericResponseBean)		
Attribute	Type	Description

-

### 2.15.3.7 getPropertyValue

RequestBean (CreateMountPointRequestBean)		
Attribute	Type	Description
metaDbObject	MetaDbObjectLookupBean	
notCached	boolean	Don't get values from cache (Getting values from cache is much more faster!). Default: <i>false</i>
ResponseBean (CreateMountPointResponseBean)		
Attribute	Type	Description
metaDbObject	MetaDbObjectLookupBean	
entryValue	String[]	Value, if the object is an entry property.
entryDataType	long	<i>entryValue</i> datatype (Values: <i>1</i> = String, <i>64</i> = String[], <i>4096</i> = Content, <i>8192</i> = Encrypted)

### 2.15.3.8 listPropertyBundle

RequestBean (CreateMountPointRequestBean)		
Attribute	Type	Description
metaDbObject	MetaDbObjectLookupBean	Bundle to list.
filterForType	int	Define what object types should be returned (Values: <i>0</i> = all object types, <i>1</i> = only bundles, <i>2</i> = only entries)
notCached	boolean	Don't get values from cache (Getting values from cache is much more faster!). Default: <i>false</i>
ResponseBean (CreateMountPointResponseBean)		
Attribute	Type	Description
metaDbObjects	MetaDbObjectLookupBean[]	

### 2.15.3.9 clearCache

RequestBean (ClearCacheRequestBean)		
Attribute	Type	Description
rebuildCache	boolean	Rebuild the cache after clearance. Default: <i>false</i>
ResponseBean (DynaGenericResponseBean)		
Attribute	Type	Description
-		

## 3. Überblick über die Objekt-Struktur

### 3.1 GLOBALOBJECT

#### 3.1.1 Vererbungen

- [GLOBALOBJECT](#)

#### 3.1.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	
NAME	STRING	
SYSTEMFLAGS	LONG	
DESCRIPTION	LONGTEXT	
FLAGS	INTEGER	
OWNER	GLOBALOBJECT	
CREATOR	GLOBALOBJECT	
TIMEPHASEDACTION	STRING	
CLASSID	LONG	
CREATEDATE	DATE	
LOCKSTATE	INTEGER	
MAINOBJECT	GLOBALOBJECT	
EXPIRATIONDATE	DATE	
DELETOR	GLOBALOBJECT	
TIMEPHASEDACTIONDATE	DATE	
UPDATEDATE	DATE	
LASTMODIFYDATE	DATE	
ISFOLDER	BOOLEAN	
OBJECTTEXTKEY	STRING	
LASTMODIFIER	GLOBALOBJECT	
LOCKEDFORSESSION	LONG	

### 3.2 FOLDEROBJECT

#### 3.2.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)

#### 3.2.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	

## 3.3 FOLDERDOCUMENTOBJECT

### 3.3.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [FOLDERDOCUMENTOBJECT](#)

### 3.3.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>

CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>CharacterSet</b>	STRING	
<b>BlockSize</b>	LONG	
<b>Content</b>	LONG	
<b>ReadOnly</b>	BOOLEAN	
<b>FormatObject</b>	INTERNALOBJECT	
<b>LASTCONTENTMODIFYDATE</b>	DATE	
<b>CONTENTQUOTAOBJECT</b>	GLOBALOBJECT	
<b>Media</b>	INTERNALOBJECT	
<b>Language</b>	STRING	
<b>ContentSize</b>	LONG	

## 3.4 MailObject

### 3.4.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [FOLDERDOCUMENTOBJECT](#)
      - [MailObject](#)

### 3.4.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>

FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
CharacterSet	STRING	<a href="#">FOLDERDOCUMENTOBJECT</a>
BlockSize	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
Content	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FOLDERDOCUMENTOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FOLDERDOCUMENTOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
Language	STRING	<a href="#">FOLDERDOCUMENTOBJECT</a>
ContentSize	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
<b>RFC822Size</b>	INTEGER	
<b>MessageId</b>	INTEGER	
<b>MailStatus</b>	STRING	
<b>BccAddress</b>	STRING_ARRAY	
<b>Subject</b>	LONGTEXT	
<b>MessageLock</b>	BOOLEAN	
<b>Flagged</b>	BOOLEAN	
<b>LineCount</b>	INTEGER	
<b>ByteCount</b>	INTEGER	
<b>ContentType</b>	STRING	

<b>Recent</b>	BOOLEAN	
<b>OrgCreateDate</b>	DATE	
<b>MessageId</b>	STRING	
<b>Answered</b>	BOOLEAN	
<b>CcAddress</b>	STRING_ARRAY	
<b>RFC822Date</b>	DATE	
<b>Draft</b>	BOOLEAN	
<b>ContentTransferEncoding</b>	STRING	
<b>MessageObject</b>	GLOBALOBJECT	
<b>RFC822Header</b>	STRING_ARRAY	
<b>FromAddress</b>	STRING_ARRAY	
<b>ReplyTo</b>	STRING_ARRAY	
<b>Seen</b>	BOOLEAN	
<b>InReplyTo</b>	STRING	
<b>ToAddress</b>	STRING_ARRAY	
<b>Sender</b>	STRING_ARRAY	
<b>ContentTypeParameters</b>	GLOBALOBJECT	
<b>OrgLastmodifyDate</b>	DATE	
<b>ReadByOwner</b>	BOOLEAN	
<b>SENSITIVITY</b>	STRING	
<b>DISPOSITIONNOTIFICATIONO</b>	STRING	
<b>PRIORITY</b>	STRING	

## 3.5 AMailMail

### 3.5.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [FOLDERDOCUMENTOBJECT](#)
      - [MailObject](#)
        - [AMailMail](#)

### 3.5.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>

OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
CharacterSet	STRING	<a href="#">FOLDERDOCUMENTOBJECT</a>
BlockSize	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
Content	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FOLDERDOCUMENTOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FOLDERDOCUMENTOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
Language	STRING	<a href="#">FOLDERDOCUMENTOBJECT</a>
ContentSize	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
RFC822Size	INTEGER	<a href="#">MailObject</a>
MessageId	INTEGER	<a href="#">MailObject</a>
MailStatus	STRING	<a href="#">MailObject</a>
BccAddress	STRING_ARRAY	<a href="#">MailObject</a>
Subject	LONGTEXT	<a href="#">MailObject</a>
MessageLock	BOOLEAN	<a href="#">MailObject</a>
Flagged	BOOLEAN	<a href="#">MailObject</a>
LineCount	INTEGER	<a href="#">MailObject</a>
ByteCount	INTEGER	<a href="#">MailObject</a>
ContentType	STRING	<a href="#">MailObject</a>
Recent	BOOLEAN	<a href="#">MailObject</a>

OrgCreateDate	DATE	<a href="#">MailObject</a>
MessageId	STRING	<a href="#">MailObject</a>
Answered	BOOLEAN	<a href="#">MailObject</a>
CcAddress	STRING_ARRAY	<a href="#">MailObject</a>
RFC822Date	DATE	<a href="#">MailObject</a>
Draft	BOOLEAN	<a href="#">MailObject</a>
ContentTransferEncoding	STRING	<a href="#">MailObject</a>
MessageObject	GLOBALOBJECT	<a href="#">MailObject</a>
RFC822Header	STRING_ARRAY	<a href="#">MailObject</a>
FromAddress	STRING_ARRAY	<a href="#">MailObject</a>
ReplayTo	STRING_ARRAY	<a href="#">MailObject</a>
Seen	BOOLEAN	<a href="#">MailObject</a>
InReplayTo	STRING	<a href="#">MailObject</a>
ToAddress	STRING_ARRAY	<a href="#">MailObject</a>
Sender	STRING_ARRAY	<a href="#">MailObject</a>
ContentTypeParameters	GLOBALOBJECT	<a href="#">MailObject</a>
OrgLastmodifyDate	DATE	<a href="#">MailObject</a>
ReadByOwner	BOOLEAN	<a href="#">MailObject</a>
SENSITIVITY	STRING	<a href="#">MailObject</a>
DISPOSITIONNOTIFICATIONTO	STRING	<a href="#">MailObject</a>
PRIORITY	STRING	<a href="#">MailObject</a>
AMailMountPoint	GLOBALOBJECT	

## 3.6 D4wAppCalendarApp

### 3.6.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [FOLDERDOCUMENTOBJECT](#)
      - [D4wAppCalendarApp](#)

### 3.6.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
Characterset	STRING	<a href="#">FOLDERDOCUMENTOBJECT</a>
BlockSize	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
Content	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FOLDERDOCUMENTOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FOLDERDOCUMENTOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
Language	STRING	<a href="#">FOLDERDOCUMENTOBJECT</a>
ContentSize	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
<b>AppTyp</b>	INTEGER	
<b>APPPRIVATE</b>	BOOLEAN	
<b>AppRepeatType</b>	INTEGER	
<b>AppRepeatEndDate</b>	DATE	
<b>APPSTATUS</b>	INTEGER	
<b>AppCalendar</b>	GLOBALOBJECT	
<b>AppEndDate</b>	DATE	
<b>AppStartDate</b>	DATE	
<b>APPINTERNALTYPE</b>	INTEGER	

## 3.7 LinkObject

### 3.7.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [LinkObject](#)

### 3.7.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>Subject</b>	LONGTEXT	
<b>Link</b>	LONGTEXT	

## 3.8 NoteLinkObject

### 3.8.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [LinkObject](#)
      - [NoteLinkObject](#)

### 3.8.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
Subject	LONGTEXT	<a href="#">LinkObject</a>
Link	LONGTEXT	<a href="#">LinkObject</a>

## 3.9 D4wForumLink

### 3.9.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [LinkObject](#)
      - [D4wForumLink](#)

### 3.9.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>

DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
Subject	LONGTEXT	<a href="#">LinkObject</a>
Link	LONGTEXT	<a href="#">LinkObject</a>

## 3.10 PropertyBundleObject

### 3.10.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [PropertyBundleObject](#)

### 3.10.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>

CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>DefaultPropertyName</b>	STRING	

## 3.11 RecyclingObject

### 3.11.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [RecyclingObject](#)

### 3.11.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	CISTRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>

LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>OriginalReference</b>	GLOBALOBJECT	

## 3.12 MenuEntry

### 3.12.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntry](#)

### 3.12.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>TransParameterNames</b>	STRING_ARRAY	
<b>ParameterValues</b>	STRING_ARRAY	
<b>ParameterIdentifier</b>	STRING	
<b>TextKey</b>	STRING	

<b>TransParameterValues</b>	STRING_ARRAY	
<b>ParameterNames</b>	STRING_ARRAY	
<b>Action</b>	STRING	
<b>Sortorder</b>	LONG	

## 3.13 PortalMenuEntry

### 3.13.1 Vererbungen

- [GLOBABJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntry](#)
      - [PortalMenuEntry](#)

### 3.13.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
NAME	STRING	<a href="#">GLOBABJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBABJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBABJECT</a>
FLAGS	INTEGER	<a href="#">GLOBABJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBABJECT</a>
CLASSID	LONG	<a href="#">GLOBABJECT</a>
CREATEDATE	DATE	<a href="#">GLOBABJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBABJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBABJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBABJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBABJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBABJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBABJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBABJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBABJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
TransParameterNames	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterValues	STRING_ARRAY	<a href="#">MenuEntry</a>

ParameterIdentifier	STRING	<a href="#">MenuEntry</a>
TextKey	STRING	<a href="#">MenuEntry</a>
TransParameterValues	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterNames	STRING_ARRAY	<a href="#">MenuEntry</a>
Action	STRING	<a href="#">MenuEntry</a>
Sortorder	LONG	<a href="#">MenuEntry</a>

## 3.14 PullDownMenuEntry

### 3.14.1 Vererbungen

- [GLOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntry](#)
      - [PullDownMenuEntry](#)

### 3.14.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBJECT</a>
NAME	STRING	<a href="#">GLOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBJECT</a>
CLASSID	LONG	<a href="#">GLOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>

TransParameterNames	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterValues	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterIdentifier	STRING	<a href="#">MenuEntry</a>
TextKey	STRING	<a href="#">MenuEntry</a>
TransParameterValues	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterNames	STRING_ARRAY	<a href="#">MenuEntry</a>
Action	STRING	<a href="#">MenuEntry</a>
Sortorder	LONG	<a href="#">MenuEntry</a>

## 3.15 PullDownMenuSeperator

### 3.15.1 Vererbungen

- [GLOBABJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntry](#)
      - [PullDownMenuSeperator](#)

### 3.15.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
NAME	STRING	<a href="#">GLOBABJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBABJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBABJECT</a>
FLAGS	INTEGER	<a href="#">GLOBABJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBABJECT</a>
CLASSID	LONG	<a href="#">GLOBABJECT</a>
CREATEDATE	DATE	<a href="#">GLOBABJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBABJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBABJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBABJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBABJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBABJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBABJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBABJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBABJECT</a>

LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
TransParameterNames	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterValues	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterIdentifier	STRING	<a href="#">MenuEntry</a>
TextKey	STRING	<a href="#">MenuEntry</a>
TransParameterValues	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterNames	STRING_ARRAY	<a href="#">MenuEntry</a>
Action	STRING	<a href="#">MenuEntry</a>
Sortorder	LONG	<a href="#">MenuEntry</a>

## 3.16 MenuGroup

### 3.16.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntry](#)
      - [MenuGroup](#)

### 3.16.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>

OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
TransParameterNames	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterValues	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterIdentifier	STRING	<a href="#">MenuEntry</a>
TextKey	STRING	<a href="#">MenuEntry</a>
TransParameterValues	STRING_ARRAY	<a href="#">MenuEntry</a>
ParameterNames	STRING_ARRAY	<a href="#">MenuEntry</a>
Action	STRING	<a href="#">MenuEntry</a>
Sortorder	LONG	<a href="#">MenuEntry</a>

## 3.17 MenuEntryMain

### 3.17.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntryMain](#)

### 3.17.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>

ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>ParameterIdentifier</b>	STRING	
<b>TextKey</b>	STRING	
<b>Sortorder</b>	LONG	

## 3.18 PortalMenuEntryMain

### 3.18.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntryMain](#)
      - [PortalMenuEntryMain](#)

### 3.18.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
ParameterIdentifier	STRING	<a href="#">MenuEntryMain</a>
TextKey	STRING	<a href="#">MenuEntryMain</a>
Sortorder	LONG	<a href="#">MenuEntryMain</a>

## 3.19 PullDownMenuEntryMain

### 3.19.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntryMain](#)
      - [PullDownMenuEntryMain](#)

### 3.19.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
ParameterIdentifier	STRING	<a href="#">MenuEntryMain</a>

TextKey	STRING	<a href="#">MenuEntryMain</a>
Sortorder	LONG	<a href="#">MenuEntryMain</a>

## 3.20 PullDownMenuArea

### 3.20.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntryMain](#)
      - [PullDownMenuArea](#)

### 3.20.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
ParameterIdentifier	STRING	<a href="#">MenuEntryMain</a>
TextKey	STRING	<a href="#">MenuEntryMain</a>
Sortorder	LONG	<a href="#">MenuEntryMain</a>
<b>ReferenceAreaName</b>	STRING	

## 3.21 PullDownContextMenu

### 3.21.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MenuEntryMain](#)
      - [PullDownContextMenu](#)

### 3.21.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
ParameterIdentifier	STRING	<a href="#">MenuEntryMain</a>
TextKey	STRING	<a href="#">MenuEntryMain</a>
Sortorder	LONG	<a href="#">MenuEntryMain</a>

## 3.22 MetaDbPropertyBundleObject

### 3.22.1 Vererbungen

- [GLOBALOBJECT](#)

- [FOLDEROBJECT](#)
  - [MetaDbPropertyBundleObject](#)

### 3.22.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>

## 3.23 MetaDbPropertyGroupObject

### 3.23.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [MetaDbPropertyGroupObject](#)

### 3.23.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>

SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>

## 3.24 AFsFolder

### 3.24.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [AFsFolder](#)

### 3.24.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>

CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>AFsMountPoint</b>	GLOBALOBJECT	

## 3.25 ASmbFolder

### 3.25.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [AFsFolder](#)
      - [ASmbFolder](#)

### 3.25.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
AFsMountPoint	GLOBALOBJECT	<a href="#">AFsFolder</a>

## 3.26 ALfsFolder

### 3.26.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [AFsFolder](#)
      - [ALfsFolder](#)

### 3.26.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>

LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>

## 3.27 AFsMountPoint

### 3.27.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [AFsMountPoint](#)

### 3.27.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>AFsUpdateInterval</b>	LONG	
<b>AFsUpdateStartTime</b>	LONG	
<b>AFsSearchAttributes</b>	STRING_ARRAY	
<b>AFsStatus</b>	INTEGER	

<b>AFsSearchValues</b>	STRING_ARRAY	
<b>AFSSERVERSETTINGS</b>	STRING	
<b>AFsPath</b>	LONGTEXT	
<b>AFsLastUpdateDate</b>	DATE	

## 3.28 ASmbMountPoint

### 3.28.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [AFsMountPoint](#)
      - [ASmbMountPoint](#)

### 3.28.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
AFsUpdateInterval	LONG	<a href="#">AFsMountPoint</a>
AFsUpdateStartTime	LONG	<a href="#">AFsMountPoint</a>

AFsSearchAttributes	STRING_ARRAY	<a href="#">AFsMountPoint</a>
AFsStatus	INTEGER	<a href="#">AFsMountPoint</a>
AFsSearchValues	STRING_ARRAY	<a href="#">AFsMountPoint</a>
AFSSERVERSETTINGS	STRING	<a href="#">AFsMountPoint</a>
AFsPath	LONGTEXT	<a href="#">AFsMountPoint</a>
AFsLastUpdateDate	DATE	<a href="#">AFsMountPoint</a>
ASmbServer	STRING	
ASmbUser	STRING	
ASmbPassword	LONGTEXT	

## 3.29 ALfsMountPoint

### 3.29.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [AFsMountPoint](#)
      - [ALfsMountPoint](#)

### 3.29.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>

LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
AFsUpdateInterval	LONG	<a href="#">AFsMountPoint</a>
AFsUpdateStartTime	LONG	<a href="#">AFsMountPoint</a>
AFsSearchAttributes	STRING_ARRAY	<a href="#">AFsMountPoint</a>
AFsStatus	INTEGER	<a href="#">AFsMountPoint</a>
AFsSearchValues	STRING_ARRAY	<a href="#">AFsMountPoint</a>
AFSSERVERSETTINGS	STRING	<a href="#">AFsMountPoint</a>
AFsPath	LONGTEXT	<a href="#">AFsMountPoint</a>
AFsLastUpdateDate	DATE	<a href="#">AFsMountPoint</a>

## 3.30 AMailFolder

### 3.30.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [AMailFolder](#)

### 3.30.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>

OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>AMailLastUID</b>	STRING	
<b>AMailLastDate</b>	DATE	
<b>AMailMountPoint</b>	GLOBALOBJECT	

## 3.31 AMailMountPoint

### 3.31.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [AMailMountPoint](#)

### 3.31.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>

<b>AMailPassword</b>	LONGTEXT	
<b>AMailUser</b>	STRING	
<b>AMailStatus</b>	INTEGER	
<b>AMailLastUpdateDate</b>	DATE	
<b>AMailKeep</b>	BOOLEAN	
<b>AMailUpdateStartTime</b>	LONG	
<b>AMailHost</b>	STRING	
<b>AMailSearchValues</b>	STRING_ARRAY	
<b>AMailSearchAttributes</b>	STRING_ARRAY	
<b>AMailType</b>	INTEGER	
<b>AMailUpdateInterval</b>	LONG	
<b>AMailLastUID</b>	STRING	
<b>AMailPath</b>	LONGTEXT	
<b>AMailIsSSL</b>	BOOLEAN	
<b>AMailLastDate</b>	DATE	

## 3.32 D4wProjectTimeFolder

### 3.32.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [D4wProjectTimeFolder](#)

### 3.32.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>

## 3.33 D4wWikiMountPoint

### 3.33.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [D4wWikiMountPoint](#)

### 3.33.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>

AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
WikiStyle	STRING	
WikiTemplate	STRING	

## 3.34 D4wWikiFolder

### 3.34.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [D4wWikiFolder](#)

### 3.34.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
WikiMountPoint	GLOBALOBJECT	

## 3.35 D4wAppCalendar

### 3.35.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [D4wAppCalendar](#)

### 3.35.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>DefaultDisplayTimeStep</b>	INTEGER	
<b>AppCalendarType</b>	INTEGER	
<b>DefaultDisplayStartTime</b>	INTEGER	
<b>DefaultDisplayEndTime</b>	INTEGER	

## 3.36 D4wAppCalendarFolder

### 3.36.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [D4wAppCalendarFolder](#)

### 3.36.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>

## 3.37 WorkflowInstance

### 3.37.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [WorkflowInstance](#)

### 3.37.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>

OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
CHARACTERSET	STRING	<a href="#">FOLDERDOCUMENTOBJECT</a>
BLOCKSIZE	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
CONTENT	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
READONLY	BOOLEAN	<a href="#">FOLDERDOCUMENTOBJECT</a>
FORMATOBJECT	INTERNALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FOLDERDOCUMENTOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
MEDIA	INTERNALOBJECT	<a href="#">FOLDERDOCUMENTOBJECT</a>
LANGUAGE	STRING	<a href="#">FOLDERDOCUMENTOBJECT</a>
CONTENTSIZE	LONG	<a href="#">FOLDERDOCUMENTOBJECT</a>
<b>EndDate</b>	DATE	
<b>ProcessDescription</b>	STRING	
<b>InstanceStatus</b>	INTEGER	
<b>RemoteId</b>	STRING	
<b>DefinitionName</b>	STRING	
<b>Version</b>	STRING	

## 3.38 WorkflowActivity

### 3.38.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FOLDEROBJECT](#)
    - [WorkflowActivity](#)

### 3.38.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
AREANAME	STRING	<a href="#">FOLDEROBJECT</a>
<b>WORKFLOWDEFINITION</b>	GLOBALOBJECT	
<b>WorkflowInstance</b>	GLOBALOBJECT	
<b>APPOINTMENT</b>	DATE	
<b>SaveStatus</b>	INTEGER	
<b>ActivityStatus</b>	INTEGER	
<b>ActivityName</b>	STRING	
<b>ACTIVITYSEVERITY</b>	INTEGER	
<b>Executor</b>	GLOBALOBJECT	
<b>RemoteId</b>	STRING	

## 3.39 FILEOBJECT

### 3.39.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)

### 3.39.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>CharacterSet</b>	STRING	
<b>BlockSize</b>	LONG	
<b>Content</b>	LONG	
<b>ReadOnly</b>	BOOLEAN	
<b>FormatObject</b>	INTERNALOBJECT	
<b>LASTCONTENTMODIFYDATE</b>	DATE	
<b>CONTENTQUOTAOBJECT</b>	GLOBALOBJECT	
<b>Media</b>	INTERNALOBJECT	
<b>Language</b>	STRING	
<b>ContentSize</b>	LONG	

## 3.40 ROITESTOBJECT

### 3.40.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)

- [ROITESTOBJECT](#)

### 3.40.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
Characterset	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
<b>TDIRECTORYOBJECT_ARRAY</b>	DIRECTORYOBJECT_ARRAY	
<b>TLONGTEXT</b>	LONGTEXT	
<b>TSTRING</b>	STRING	

<b>TLONG</b>	LONG	
<b>TBOOLEAN</b>	BOOLEAN	
<b>TGLOBALOBJECT</b>	GLOBALOBJECT	
<b>TDATE</b>	DATE	
<b>TLONG_ARRAY</b>	LONG_ARRAY	
<b>TDATE_ARRAY</b>	DATE_ARRAY	
<b>TGLOBALOBJECT_ARRAY</b>	GLOBALOBJECT_ARRAY	
<b>TBOOLEAN_ARRAY</b>	BOOLEAN_ARRAY	
<b>TINTEGER</b>	INTEGER	
<b>TINTERNALOBJECT_ARRAY</b>	INTERNALOBJECT_ARRAY	
<b>TDIRECTORYOBJECT</b>	DIRECTORYOBJECT	
<b>TDATABASEOBJECT_ARRAY</b>	DATABASEOBJECT_ARRAY	
<b>TSTRING_ARRAY</b>	STRING_ARRAY	
<b>TDOUBLE_ARRAY</b>	DOUBLE_ARRAY	
<b>TINTERNALOBJECT</b>	INTERNALOBJECT	
<b>TINTEGER_ARRAY</b>	INTEGER_ARRAY	
<b>TDATABASEOBJECT</b>	DATABASEOBJECT	
<b>TDOUBLE</b>	DOUBLE	

## 3.41 MailDocumentObject

### 3.41.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [MailDocumentObject](#)

### 3.41.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>

MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>

## 3.42 AttributeXMLObject

### 3.42.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [AttributeXMLObject](#)

### 3.42.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>

CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
<b>DTDObject</b>	GLOBALOBJECT	

## 3.43 AttributeDTDObject

### 3.43.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [AttributeDTDObject](#)

### 3.43.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
RefClassName	STRING	
SuperDTD	GLOBALOBJECT	
Extension	STRING	
StartPath	LONG_ARRAY	

## 3.44 ObjectFileObject

### 3.44.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [ObjectFileObject](#)

### 3.44.2 Attribute

Name	Typ	Vererbt von
------	-----	-------------

ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>

## 3.45 NoteFileObject

### 3.45.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [ObjectFileObject](#)
      - [NoteFileObject](#)

### 3.45.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>

## 3.46 D4wForumFile

### 3.46.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)

- [ObjectFileObject](#)
  - [D4wForumFile](#)

### 3.46.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
Characterset	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
Readonly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>

## 3.47 ObjectMediaObject

### 3.47.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [ObjectMediaObject](#)

### 3.47.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
Characterset	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>

### 3.48 NoteMediaObject

### 3.48.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [ObjectMediaObject](#)
      - [NoteMediaObject](#)

### 3.48.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
Characterset	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>

ContentSize	LONG	<a href="#">FILEOBJECT</a>
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## 3.49 D4wForumMedia

### 3.49.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [ObjectMediaObject](#)
      - [D4wForumMedia](#)

### 3.49.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>

CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>

## 3.50 NoteObject

### 3.50.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [NoteObject](#)

### 3.50.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
Characterset	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>

FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
<b>Dateto</b>	DATE	
<b>UserName</b>	STRING	
<b>Prioritaet</b>	STRING	
<b>Text</b>	LONGTEXT	
<b>Datefrom</b>	DATE	
<b>Subject</b>	STRING	

## 3.51 D4wForum

### 3.51.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [D4wForum](#)

### 3.51.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>

ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
<b>Dateto</b>	DATE	
<b>UserName</b>	STRING	
<b>Prioritaet</b>	STRING	
<b>Text</b>	LONGTEXT	
<b>Datefrom</b>	DATE	

## 3.52 MailFilterObject

### 3.52.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [MailFilterObject](#)

### 3.52.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>

LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
<b>AllIncoming</b>	BOOLEAN	
<b>Action</b>	INTEGER	
<b>Active</b>	BOOLEAN	
<b>MailFilterSearchAttributes</b>	STRING_ARRAY	
<b>Global</b>	BOOLEAN	
<b>ActionParameterValues</b>	STRING_ARRAY	
<b>ActionParameterNames</b>	STRING_ARRAY	
<b>MailFilterSearchValues</b>	STRING_ARRAY	
<b>Sortorder</b>	LONG	
<b>StopFilter</b>	BOOLEAN	

## 3.53 MetaDbPropertyEntryObject

### 3.53.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [MetaDbPropertyEntryObject](#)

### 3.53.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
<b>StringArrayValue</b>	STRING_ARRAY	
<b>BooleanValue</b>	BOOLEAN	
<b>LongValue</b>	LONG	
<b>IntArrayValue</b>	INTEGER_ARRAY	
<b>DateArrayValue</b>	DATE_ARRAY	
<b>IntValue</b>	INTEGER	

<b>LongArrayValue</b>	LONG_ARRAY	
<b>StringValue</b>	LONGTEXT	
<b>BooleanArrayValue</b>	BOOLEAN_ARRAY	
<b>DoubleValue</b>	DOUBLE	
<b>DateValue</b>	DATE	
<b>EntryDataType</b>	LONG	
<b>DoubleArrayValue</b>	DOUBLE_ARRAY	

## 3.54 AFsFile

### 3.54.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [AFsFile](#)

### 3.54.2 Attribute

<b>Name</b>	<b>Typ</b>	<b>Vererbt von</b>
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
Characterset	STRING	<a href="#">FILEOBJECT</a>

BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
<b>AFsLastModifyDate</b>	DATE	
<b>AFsMountPoint</b>	GLOBALOBJECT	

## 3.55 ASmbFile

### 3.55.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [AFsFile](#)
      - [ASmbFile](#)

### 3.55.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>

ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
AFsLastModifyDate	DATE	<a href="#">AFsFile</a>

## 3.56 ALfsFile

### 3.56.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [AFsFile](#)
      - [ALfsFile](#)

### 3.56.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>

DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
AFsLastModifyDate	DATE	<a href="#">AFsFile</a>
AFsMountPoint	GLOBALOBJECT	<a href="#">AFsFile</a>

## 3.57 NgOsAdminSync

### 3.57.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [NgOsAdminSync](#)

### 3.57.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>

CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
SyncErrorCode	INTEGER	

## 3.58 D4wWikiFile

### 3.58.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [D4wWikiFile](#)

### 3.58.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
<b>WikiVersion</b>	STRING	
<b>WikiMountPoint</b>	GLOBALOBJECT	

## 3.59 FaxFile

### 3.59.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [FaxFile](#)

### 3.59.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>

SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
FaxState	STRING	

## 3.60 ACCESSCONTROLLISTOBJECT

### 3.60.1 Vererbungen

- [GLOBALOBJECT](#)
  - [ACCESSCONTROLLISTOBJECT](#)

### 3.60.2 Attribute

Name	Typ	Vererbt von
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ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>SHARED</b>	BOOLEAN	
<b>OWNERUNIQUENAME</b>	STRING	

## 3.61 SYSTEMACLOBJECT

### 3.61.1 Vererbungen

- [GLOBALOBJECT](#)
  - [ACCESSCONTROLLISTOBJECT](#)
    - [SYSTEMACLOBJECT](#)

### 3.61.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
SHARED	BOOLEAN	<a href="#">ACCESSCONTROLLISTOBJECT</a>
OWNERUNIQUENAME	STRING	<a href="#">ACCESSCONTROLLISTOBJECT</a>

## 3.62 CustomAclObject

### 3.62.1 Vererbungen

- [GLOBALOBJECT](#)
  - [ACCESSCONTROLLISTOBJECT](#)
    - [CustomAclObject](#)

### 3.62.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
SHARED	BOOLEAN	<a href="#">ACCESSCONTROLLISTOBJECT</a>
OWNERUNIQUENAME	STRING	<a href="#">ACCESSCONTROLLISTOBJECT</a>

## 3.63 DIRECTORYOBJECT

### 3.63.1 Vererbungen

- [GLOBALOBJECT](#)
  - [DIRECTORYOBJECT](#)

### 3.63.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>

LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
ISROLE	BOOLEAN	

## 3.64 DIRECTORYUSEROBJECT

### 3.64.1 Vererbungen

- [GLOBALOBJECT](#)
  - [DIRECTORYOBJECT](#)
    - [DIRECTORYUSEROBJECT](#)

### 3.64.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
ISROLE	BOOLEAN	<a href="#">DIRECTORYOBJECT</a>
ASSOCIATEDROLES	DIRECTORYOBJECT	
SYSTEMADMINENABLED	BOOLEAN	
UNIQUENAME	STRING	
USERSEQUENCE	INTEGER	

<b>DEFAULTROLE</b>	DIRECTORYOBJECT	
<b>DISTINGUISHEDNAME</b>	STRING	
<b>CREDENTIALMANAGER</b>	STRING	
<b>ADMINENABLED</b>	BOOLEAN	

## 3.65 DIRECTORYGROUPOBJECT

### 3.65.1 Vererbungen

- [GLOBAOBJECT](#)
  - [DIRECTORYOBJECT](#)
    - [DIRECTORYGROUPOBJECT](#)

### 3.65.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBAOBJECT	<a href="#">GLOBAOBJECT</a>
NAME	STRING	<a href="#">GLOBAOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBAOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBAOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBAOBJECT</a>
OWNER	GLOBAOBJECT	<a href="#">GLOBAOBJECT</a>
CREATOR	GLOBAOBJECT	<a href="#">GLOBAOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBAOBJECT</a>
CLASSID	LONG	<a href="#">GLOBAOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBAOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBAOBJECT</a>
MAINOBJECT	GLOBAOBJECT	<a href="#">GLOBAOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBAOBJECT</a>
DELETOR	GLOBAOBJECT	<a href="#">GLOBAOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBAOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBAOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBAOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBAOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBAOBJECT</a>
LASTMODIFIER	GLOBAOBJECT	<a href="#">GLOBAOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBAOBJECT</a>
ISROLE	BOOLEAN	<a href="#">DIRECTORYOBJECT</a>
<b>CONTENTQUOTAOBJECT</b>	GLOBAOBJECT	
<b>OWNERUNIQUENAME</b>	STRING	

## 3.66 APPLICATIONOBJECT

### 3.66.1 Vererbungen

- [GLOBALOBJECT](#)
  - [APPLICATIONOBJECT](#)

### 3.66.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>

## 3.67 CONTENTQUOTAOBJECT

### 3.67.1 Vererbungen

- [GLOBALOBJECT](#)
  - [APPLICATIONOBJECT](#)
    - [CONTENTQUOTAOBJECT](#)

### 3.67.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>ENABLED</b>	BOOLEAN	
<b>CONSUMEDSTORAGE</b>	LONG	
<b>ASSOCIATEDGLOBALOBJECT</b>	GLOBALOBJECT	
<b>ALLOCATEDSTORAGE</b>	LONG	
<b>UNIQUENAME</b>	STRING	

## 3.68 USERPROFILEOBJECT

### 3.68.1 Vererbungen

- [GLOBALOBJECT](#)
  - [USERPROFILEOBJECT](#)

### 3.68.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>

OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>DIRECTORYUSEROBJECT</b>	DIRECTORYOBJECT	

## 3.69 PRIMARYUSERPROFILEOBJECT

### 3.69.1 Vererbungen

- [GLOBALOBJECT](#)
  - [USERPROFILEOBJECT](#)
    - [PRIMARYUSERPROFILEOBJECT](#)

### 3.69.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
DIRECTORYUSEROBJECT	DIRECTORYOBJECT	<a href="#">USERPROFILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	
READINDICATIONSTATE	LONG	
TMPFOLDER	GLOBALOBJECT	
DEFAULTACLS	GLOBALOBJECT	
HOMEFOLDER	GLOBALOBJECT	
DEFAULTADMINGROUP	DIRECTORYOBJECT	
READINDICATIONENABLED	BOOLEAN	

## 3.70 EXTENDEDUSERPROFILEOBJECT

### 3.70.1 Vererbungen

- [GLOBALOBJECT](#)
  - [USERPROFILEOBJECT](#)
    - [EXTENDEDUSERPROFILEOBJECT](#)

### 3.70.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>

EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
DIRECTORYUSEROBJECT	DIRECTORYOBJECT	<a href="#">USERPROFILEOBJECT</a>
APPLICATION	STRING	

## 3.71 EMAILUSERPROFILEOBJECT

### 3.71.1 Vererbungen

- [GLOBALOBJECT](#)
  - [USERPROFILEOBJECT](#)
    - [EXTENDEDUSERPROFILEOBJECT](#)
      - [EMAILUSERPROFILEOBJECT](#)

### 3.71.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>

ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
DIRECTORYUSEROBJECT	DIRECTORYOBJECT	<a href="#">USERPROFILEOBJECT</a>
APPLICATION	STRING	<a href="#">EXTENDEDUSERPROFILEOBJECT</a>
EMAILADDRESS	STRING	
MAILDIRECTORYLOCATION	GLOBALOBJECT	
SUBSCRIPTIONLIST	STRING_ARRAY	

## 3.72 InfoUserProfileObject

### 3.72.1 Vererbungen

- [GLOBALOBJECT](#)
  - [USERPROFILEOBJECT](#)
    - [EXTENDEDUSERPROFILEOBJECT](#)
      - [InfoUserProfileObject](#)

### 3.72.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>

LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
DIRECTORYUSEROBJECT	DIRECTORYOBJECT	<a href="#">USERPROFILEOBJECT</a>
APPLICATION	STRING	<a href="#">EXTENDEDUSERPROFILEOBJECT</a>
GivenName	STRING	
Language	STRING	
FamilyName	STRING	

## 3.73 AppUserProfileObject

### 3.73.1 Vererbungen

- [GLOBALOBJECT](#)
  - [USERPROFILEOBJECT](#)
    - [EXTENDEDUSERPROFILEOBJECT](#)
      - [AppUserProfileObject](#)

### 3.73.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>

LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
DIRECTORYUSEROBJECT	DIRECTORYOBJECT	<a href="#">USERPROFILEOBJECT</a>
APPLICATION	STRING	<a href="#">EXTENDEDUSERPROFILEOBJECT</a>
AppValue	STRING	
AppKeyWord	STRING	

## 3.74 AttributeSearchObject

### 3.74.1 Vererbungen

- [GLOBALOBJECT](#)
  - [AttributeSearchObject](#)

### 3.74.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>

LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>Hierarchy</b>	INTEGER_ARRAY	

## 3.75 VersionObject

### 3.75.1 Vererbungen

- [GLOBALOBJECT](#)
  - [VersionObject](#)

### 3.75.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>Modul</b>	STRING	
<b>APPLICATIONVERSION</b>	STRING	
<b>KeyInfo</b>	STRING	
<b>Version</b>	STRING	
<b>License</b>	STRING	
<b>ModulInfo</b>	STRING_ARRAY	

## 3.76 PropertyObject

### 3.76.1 Vererbungen

- [GLOBALOBJECT](#)
  - [PropertyObject](#)

### 3.76.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
Property Value	STRING	
Property Textkey	STRING	
Property Sortsequence	INTEGER	

## 3.77 ParameterAccessIdentifier

### 3.77.1 Vererbungen

- [GLOBALOBJECT](#)
  - [ParameterAccessIdentifier](#)

### 3.77.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>

## 3.78 D4wProjectTime

### 3.78.1 Vererbungen

- [GLOBALOBJECT](#)
  - [D4wProjectTime](#)

### 3.78.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>

CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>TravelTime</b>	DOUBLE	
<b>TravelRange</b>	DOUBLE	
<b>WorkDate</b>	DATE	
<b>ProjectName</b>	STRING	
<b>WorkSkill</b>	STRING	
<b>WorkClassification</b>	STRING	
<b>PayScale</b>	STRING	
<b>ActivityType</b>	STRING	
<b>CustomerName</b>	STRING	
<b>HoursOfWork</b>	DOUBLE	
<b>Workman</b>	STRING	
<b>WorkmanCompany</b>	STRING	

## 3.79 D4wAppCalendarUserApp

### 3.79.1 Vererbungen

- [GLOBALOBJECT](#)
  - [D4wAppCalendarUserApp](#)

### 3.79.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>

OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>AppCalendarApp</b>	GLOBALOBJECT	
<b>AppOwner</b>	GLOBALOBJECT	
<b>AppUserReminder</b>	INTEGER	
<b>AppUserFeedbackState</b>	INTEGER	

## 3.80 D4wAppCalendarFeedback

### 3.80.1 Vererbungen

- [GLOBALOBJECT](#)
  - [D4wAppCalendarFeedback](#)

### 3.80.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>

LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>AppCalendarApp</b>	GLOBALOBJECT	

## 3.81 D4wAppCalendarInvitation

### 3.81.1 Vererbungen

- [GLOBALOBJECT](#)
  - [D4wAppCalendarInvitation](#)

### 3.81.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>

OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>AppCalendarApp</b>	GLOBALOBJECT	

## 3.82 D4wAppCalendarReminder

### 3.82.1 Vererbungen

- [GLOBALOBJECT](#)
  - [D4wAppCalendarReminder](#)

### 3.82.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>ReminderDate</b>	DATE	
<b>AppCalendarUserApp</b>	GLOBALOBJECT	

## 3.83 DocumentTextObject

### 3.83.1 Vererbungen

- [GLOBALOBJECT](#)
  - [FILEOBJECT](#)
    - [DocumentTextObject](#)

### 3.83.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
CharacterSet	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>

### 3.84 PreviewImage

### 3.84.1 Vererbungen

- [GLOBABJECT](#)
  - [FILEOBJECT](#)
    - [PreviewImage](#)

### 3.84.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
NAME	STRING	<a href="#">GLOBABJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBABJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBABJECT</a>
FLAGS	INTEGER	<a href="#">GLOBABJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBABJECT</a>
CLASSID	LONG	<a href="#">GLOBABJECT</a>
CREATEDATE	DATE	<a href="#">GLOBABJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBABJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBABJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBABJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBABJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBABJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBABJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBABJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBABJECT</a>
Characterset	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>
FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>

<b>Width</b>	INTEGER	
<b>Type</b>	INTEGER	
<b>Height</b>	INTEGER	
<b>Page</b>	INTEGER	

## 3.85 PreviewOverlay

### 3.85.1 Vererbungen

- [GLOBABJECT](#)
  - [FILEOBJECT](#)
    - [PreviewOverlay](#)

### 3.85.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
NAME	STRING	<a href="#">GLOBABJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBABJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBABJECT</a>
FLAGS	INTEGER	<a href="#">GLOBABJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBABJECT</a>
CLASSID	LONG	<a href="#">GLOBABJECT</a>
CREATEDATE	DATE	<a href="#">GLOBABJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBABJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBABJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBABJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBABJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBABJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBABJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBABJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBABJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBABJECT</a>
Characterset	STRING	<a href="#">FILEOBJECT</a>
BlockSize	LONG	<a href="#">FILEOBJECT</a>
Content	LONG	<a href="#">FILEOBJECT</a>
ReadOnly	BOOLEAN	<a href="#">FILEOBJECT</a>

FormatObject	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
LASTCONTENTMODIFYDATE	DATE	<a href="#">FILEOBJECT</a>
CONTENTQUOTAOBJECT	GLOBALOBJECT	<a href="#">FILEOBJECT</a>
Media	INTERNALOBJECT	<a href="#">FILEOBJECT</a>
Language	STRING	<a href="#">FILEOBJECT</a>
ContentSize	LONG	<a href="#">FILEOBJECT</a>
Y	INTEGER	
VariableValue	LONGTEXT	
X	INTEGER	
Page	INTEGER	
Depth	INTEGER	
Height	INTEGER	
VariableName	STRING	
Width	INTEGER	

## 3.86 WorkflowDefinition

### 3.86.1 Vererbungen

- [GLOBALOBJECT](#)
  - [WorkflowDefinition](#)

### 3.86.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>

LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>
<b>Version</b>	STRING	
<b>DefinitionName</b>	STRING	

## 3.87 WorkflowActivityInfo

### 3.87.1 Vererbungen

- [GLOBALOBJECT](#)
  - [WorkflowActivityInfo](#)

### 3.87.2 Attribute

Name	Typ	Vererbt von
ACL	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
NAME	STRING	<a href="#">GLOBALOBJECT</a>
SYSTEMFLAGS	LONG	<a href="#">GLOBALOBJECT</a>
DESCRIPTION	LONGTEXT	<a href="#">GLOBALOBJECT</a>
FLAGS	INTEGER	<a href="#">GLOBALOBJECT</a>
OWNER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
CREATOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTION	STRING	<a href="#">GLOBALOBJECT</a>
CLASSID	LONG	<a href="#">GLOBALOBJECT</a>
CREATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LOCKSTATE	INTEGER	<a href="#">GLOBALOBJECT</a>
MAINOBJECT	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
EXPIRATIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
DELETOR	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
TIMEPHASEDACTIONDATE	DATE	<a href="#">GLOBALOBJECT</a>
UPDATEDATE	DATE	<a href="#">GLOBALOBJECT</a>
LASTMODIFYDATE	DATE	<a href="#">GLOBALOBJECT</a>
ISFOLDER	BOOLEAN	<a href="#">GLOBALOBJECT</a>
OBJECTTEXTKEY	STRING	<a href="#">GLOBALOBJECT</a>
LASTMODIFIER	GLOBALOBJECT	<a href="#">GLOBALOBJECT</a>
LOCKEDFORSESSION	LONG	<a href="#">GLOBALOBJECT</a>

## 4. Error Codes

### 4.1 NgOS

Error Code	Error Key	Description
1	agorum.roi.remote.exception.UnKnown	
2	agorum.roi.remote.exception.NoRoiException	
3	agorum.roi.remote.exception.NotImplemented	
20	agorum.roi.remote.exception.NotAllowed	
21	agorum.roi.remote.exception.NoAccess	
22	agorum.roi.remote.exception.NoAdminAccess	
23	agorum.roi.remote.exception.AdminAccessNeeded	
24	agorum.roi.remote.exception.RoleNotAllowed	
30	agorum.roi.remote.exception.InvalidCredential	
31	agorum.roi.remote.exception.InvalidPassword	
32	agorum.roi.remote.exception.NotConnected	
33	agorum.roi.remote.exception.UserNotConnected	
40	agorum.roi.remote.exception.TimeOffsetUnitNotSupported	
41	agorum.roi.remote.exception.NoAccessToSetThisTimePhasedAction	
50	agorum.roi.remote.exception.TextindexNotInitBeforeDelete	
51	agorum.roi.remote.exception.SubSessionIdIsNull	
52	agorum.roi.remote.exception.ClientBeanNotInit	
53	agorum.roi.remote.exception.WeNeedADefinition	
54	agorum.roi.remote.exception.UseOpenSearch	
55	agorum.roi.remote.exception.FormatObjectHasReference	
56	agorum.roi.remote.exception.ArrayNotAllowed	
57	agorum.roi.remote.exception.ArrayOutOfBound	
60	agorum.roi.remote.exception.UseParentFolderOfDeleteObject	
61	agorum.roi.remote.exception.NotDeleteTheRootFolder	
62	agorum.roi.remote.exception.UseDeleteFoldersRecursive	
63	agorum.roi.remote.exception.FolderHasNoContactToRootFolder	
64	agorum.roi.remote.exception.FolderNotFound	
65	agorum.roi.remote.exception.WrongFolderForObject	

<b>Database related stuff</b>		
70	agorum.roi.remote.exception.DuplicateEntry	
71	agorum.roi.remote.exception.SQLException	
72	agorum.roi.remote.exception.NoAttributeValue	
73	agorum.roi.remote.exception.AttributeUpdateNotAllowed	
74	agorum.roi.remote.exception.AttributeNotDefined	
75	agorum.roi.remote.exception.AttributeIsNotAnArray	
76	agorum.roi.remote.exception.ValueIsNull	
77	agorum.roi.remote.exception.NoDataType	
78	agorum.roi.remote.exception.CountAndUnionNotAllowed	
<b>Object stuff</b>		
100	agorum.roi.remote.exception.ObjectNotFound	
101	agorum.roi.remote.exception.NoEntryFound	
102	agorum.roi.remote.exception.SourceFolderNotFound	
103	agorum.roi.remote.exception.DestinationFolderNotFound	
104	agorum.roi.remote.exception.ObjectCouldNotMoved	
105	agorum.roi.remote.exception.WeHasACycle	
106	agorum.roi.remote.exception.LockException	
107	agorum.roi.remote.exception.FoundMoreThenOneObject	
108	agorum.roi.remote.exception.NameHasNotAllowedChars	
109	agorum.roi.remote.exception.NameEndWithNotAllowedChars	
110	agorum.roi.remote.exception.UndeleteHasNoRecyclingObject	
111	agorum.roi.remote.exception.ObjectNotInFolder	
112	agorum.roi.remote.exception.FileNotFound	
113	agorum.roi.remote.exception.InvalidExtendedAttributesXML	
<b>User stuff</b>		
200	agorum.roi.remote.exception.UserAlreadyExists	
201	agorum.roi.remote.exception.UserNotFound	
202	agorum.roi.remote.exception.MailAddressAlreadyExists	
203	agorum.roi.remote.exception.AliasNameAlreadyExists	
204	agorum.roi.remote.exception.UserIsLocked	
205	agorum.roi.remote.exception.UserIsinitialized	
206	agorum.roi.remote.exception.RoleIsinitialized	
207	agorum.roi.remote.exception.AliasNameAndNameAreEqual	
<b>Group stuff</b>		
300	agorum.roi.remote.exception.GroupAlreadyExists	
301	agorum.roi.remote.exception.GroupNotFound	
302	agorum.roi.remote.exception.GroupCycle	

303	agorum.roi.remote.exception.NoAccessToAllGroups	
304	agorum.roi.remote.exception.GroupMemberNotFound	
<b>ACL stuff</b>		
400	agorum.roi.remote.exception.AclAlreadyExists	
401	agorum.roi.remote.exception.AclNotFound	
402	agorum.roi.remote.exception.AclHasReference	
403	agorum.roi.remote.exception.NoAccessToAllAcl	
<b>File stuff</b>		
2000	agorum.roi.remote.exception.SystemFlagsNotDelete	
2001	agorum.roi.remote.exception.SystemFlagsNotChange	
2002	agorum.roi.remote.exception.SystemFlagsAdminDeleteOnly	
2003	agorum.roi.remote.exception.SystemFlagsAdminChangeOnly	
2004	agorum.roi.remote.exception.SystemFlagsAdminRemoveItemOnly	
2005	agorum.roi.remote.exception.SystemFlagsNotChangeName	
2006	agorum.roi.remote.exception.SystemFlagsNotRemoveItem	
2007	agorum.roi.remote.exception.BlockSizeNotAllowed	
2008	agorum.roi.remote.exception.ContentSizeNotAllowed	

## 4.2 Agceptit MetaDB

Error Code	Error Key	Description
4000	agorum.agceptit.metadb.remote.exception.Unknown	
4001	agorum.agceptit.metadb.remote.exception.PropertyNotFound	
4002	agorum.agceptit.metadb.remote.exception.AccessorClassNotFound	
4003	agorum.agceptit.metadb.remote.exception.AuthenticationFailed	

## 4.3 Agceptit Webservices

Error Code	Error Key	Description
5000	agorum.agceptit.dynaweb services.remote.exception.Unknown	
5001	agorum.agceptit.dynaweb services.remote.exception.ConfigError	
5002	agorum.agceptit.dynaweb services.remote.exception.ProviderNotFound	
5003	agorum.agceptit.dynaweb services.remote.exception.NoMetaDB	
5004	agorum.agceptit.dynaweb services.remote.exception.NoProviders	
5005	agorum.agceptit.dynaweb services.remote.exception.BeanClassNotFound	
5006	agorum.agceptit.dynaweb services.remote.exception.NoMethods	
5007	agorum.agceptit.dynaweb services.remote.exception.ProviderClassNotFound	

5008	agorum.agceptit.dynawebsservices.remote.exception.ProviderClassNotInstantiated	
5009	agorum.agceptit.dynawebsservices.remote.exception.BeanClassNotInstantiated	

## 4.4 NgOS Webservices

Diese ErrorCodes können sich noch ändern!!

Error Code	Error Key	Description
6011	agorum.ngos.dynawebsservices.remote.exception.DatatypeNotSupported	

## 4.5 NgFS FSAdapter

Error Code	Error Key	Description
7000	agorum.ngfsadapter.fsadapter.remote.exception.FsFileNotExistant	
7001	agorum.ngfsadapter.fsadapter.remote.exception.FsConnectionFailed	
7002	agorum.ngfsadapter.fsadapter.remote.exception.FsFolderNotExistant	
7003	agorum.ngfsadapter.fsadapter.remote.exception.FsFileCouldNotWrite	
7004	agorum.ngfsadapter.fsadapter.remote.exception.FsFolderCouldNotWrite	
7005	agorum.ngfsadapter.fsadapter.remote.exception.FsFolderCouldNotDelete	
7006	agorum.ngfsadapter.fsadapter.remote.exception.FsFileCouldNotDelete	
7007	agorum.ngfsadapter.fsadapter.remote.exception.FsObjectCouldNotDelete	
7008	agorum.ngfsadapter.fsadapter.remote.exception.FsFileCouldNotCreate	
7009	agorum.ngfsadapter.fsadapter.remote.exception.FsFolderCouldNotCreate	
7010	agorum.ngfsadapter.fsadapter.remote.exception.FsObjectCouldNotRename	
7011	agorum.ngfsadapter.fsadapter.remote.exception.FsObjectCouldNotMove	
7012	agorum.ngfsadapter.fsadapter.remote.exception.FsMountPointNotFound	
7013	agorum.ngfsadapter.fsadapter.remote.exception.FsFunctionNotImplemented	

## 4.6 NgFS MailAdapter

Error	Error Key	Description
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Code		
7200	agorum.ngfsadapter.mailadapter.remote.exception.MailConnectionFailed	
7201	agorum.ngfsadapter.mailadapter.remote.exception.MailFolderDeleteFailed	
7202	agorum.ngfsadapter.mailadapter.remote.exception.MailDeleteFailed	
7203	agorum.ngfsadapter.mailadapter.remote.exception.MailFolderRenameFailed	
7204	agorum.ngfsadapter.mailadapter.remote.exception.MailFolderCreateFailed	

## 4.7 NgFS SmbAdapter

Error Code	Error Key	Description
7400	agorum.ngfsadapter.smbadapter.remote.exception.SmbMountPointNotExistant	
7401	agorum.ngfsadapter.smbadapter.remote.exception.SmbConfigurationNotExistant	
7402	agorum.ngfsadapter.smbadapter.remote.exception.SmbMountPointFolderNotExistant	

## 4.8 NgFS SmbBackupAdapter

Error Code	Error Key	Description
7600	agorum.ngfsadapter.smbbackupadapter.remote.exception.SmbBackupMountPointNotExistant	
7601	agorum.ngfsadapter.smbbackupadapter.remote.exception.SmbBackupMountPointNotExistant	
7602	agorum.ngfsadapter.smbbackupadapter.remote.exception.SmbBackupServerNotExistant	
7603	agorum.ngfsadapter.smbbackupadapter.remote.exception.SmbBackupCronJobNotExistant	
7604	agorum.ngfsadapter.smbbackupadapter.remote.exception.SmbBackupConfigurationNotExistant	
7605	agorum.ngfsadapter.smbbackupadapter.remote.exception.SmbBackupFilterNotExistant	
7606	agorum.ngfsadapter.smbbackupadapter.remote.exception.SmbBackupFilterAlreadyExists	

## 4.9 FaxService

<b>Error Code</b>	<b>Error Key</b>	<b>Description</b>
20000	agorum.faxservice.remote.exception.CoverPageFailed	
20001	agorum.faxservice.remote.exception.ConversionFailed	