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DBMS_XDBRESOURCE

The `DBMS_XDBRESOURCE` package provides the interface to operate on the resource's metadata and contents.

This chapter contains the following topics:

- Overview
- Security Model
- Summary of DBMS_XDBRESOURCE Subprograms

> ✎ **See Also:**
>
> Oracle XML DB Developer's Guide for examples of "Using `DBMS_XDBRESOURCE`"

DBMS_XDBRESOURCE Overview

The `DBMS_XDBRESOURCE` package provides routines to get and set the resource's metadata and contents. To take advantage of the DOM traversal facility, provided in `DBMS_XMLDOM` package, an `XDBResource` instance could be converted to a `DOMDocument` type by using `DBMS_XDBRESOURCE.MAKEDOCUMENT` routine.

DBMS_XDBRESOURCE Security Model

Owned by `XDB`, the `DBMS_XDBRESOURCE` package must be created by `SYS` or `XDB`. The `EXECUTE` privilege is granted to `PUBLIC`. Subprograms in this package are executed using the privileges of the current user.

Summary of DBMS_XDBRESOURCE Subprograms

This table lists the `DBMS_XDBRESOURCE` subprograms and briefly describes them.

Table 230-1   *DBMS_XDBRESOURCE Package Subprograms*

Subprogram	Description
FREERESOURCE Procedure	Frees any memory associated with an XDBResource
GETACL Function	Given an XDBResource, returns its ACL as string
GETACLDOCFROMRES Function	Returns the ACL Document for the given resource as `XMLType`
GETAUTHOR Function	Given an XDBResource, returns its author
GETCHARACTERSET Function	Given an XDBResource, returns its character set
GETCOMMENT Function	Given an XDBResource, returns its comment

Table 230-1   (Cont.) *DBMS_XDBRESOURCE Package Subprograms*

Subprogram	Description
GETCONTENTBLOB Function	Returns the contents of the resource as a `BLOB`
GETCONTENTCLOB Function	Returns the contents of the resource as a `CLOB`
GETCONTENTREF Function	Returns the contents of the resource as an `XMLTypeRef`
GETCONTENTTYPE Function	Given an XDBResource, returns its content-type
GETCONTENTXML Function	Returns the contents of the resource as XML
GETCONTENTVARCHAR2 Function	Returns the contents of the resource as a string
GETCREATIONDATE Function	Given an XDBResource, returns its creation date
GETCREATOR Function	Given an XDBResource, returns its creator
GETCUSTOMMETADATA Function	Returns the requested custom metadata given the xpath and namespace to the metadata
GETDISPLAYNAME Function	Given an XDBResource, returns its display name
GETLANGUAGE Function	Given an XDBResource, returns its language
GETLASTMODIFIER Function	Given an XDBResource, returns its last modifier
GETMODIFICATIONDATE Function	Given an XDBResource, returns its modification date
GETOWNER Function	Given an XDBResource, returns its owner.
GETREFCOUNT Function	Given an XDBResource, returns its reference count
GETVERSIONID Function	Given an XDBResource, returns its version ID.
HASACLCHANGED Function	Returns `TRUE` if the ACL of the given resource has changed, `FALSE` otherwise
HASAUTHORCHANGED Function	Returns `TRUE` if the ACL of the given resource has changed `FALSE` otherwise
HASCHANGED Function	Returns `TRUE` if the element or attribute represented by the given XPath has changed, `FALSE` otherwise
HASCHARACTERSETCHANGED Function	Returns `TRUE` if the character set of the given resource has changed, `FALSE` otherwise
HASCOMMENTCHANGED Function	Returns `TRUE` if the comment of the given resource has changed, `FALSE` otherwise
HASCONTENTCHANGED Function	Returns `TRUE` if the contents of the given resource has changed, `FALSE` otherwise
HASCONTENTTYPECHANGED Function	Returns `TRUE` if the content-type of the given resource has changed, `FALSE` otherwise
HASCREATIONDATECHANGED Function	Returns `TRUE` if the creation date of the given resource has changed, `FALSE` otherwise
HASCREATORCHANGED Function	Returns `TRUE` if the creator of the given resource has changed, `FALSE` otherwise
HASCUSTOMMETADATACHANGED Function	Returns `TRUE` if custom-metadata for this XPath has changed, `FALSE` otherwise
HASDISPLAYNAMECHANGED Function	Returns `TRUE` if the display name of the given resource has changed, `FALSE` otherwise
HASLANGUAGECHANGED Function	Returns `TRUE` if the language of the given resource has changed, `FALSE` otherwise

Summary of DBMS_XDBRESOURCE Subprograms

Table 230-1   (Cont.) *DBMS_XDBRESOURCE Package Subprograms*

Subprogram	Description
HASLASTMODIFIERCHANGED Function	Returns `TRUE` if the last modifier of the given resource has changed, `FALSE` otherwise
HASMODIFICATIONDATECHANGED Function	Returns `TRUE` if the modification date of the given resource has changed, `FALSE` otherwise
HASOWNERCHANGED Function	Returns `TRUE` if the owner of the given resource has changed, `FALSE` otherwise
HASREFCOUNTCHANGED Function	Returns `TRUE` if the reference count of the given resource has changed, `FALSE` otherwise
HASVERSIONIDCHANGED Function	Returns `TRUE` if the version ID of the given resource has changed, `FALSE` otherwise
ISFOLDER Function	Returns `TRUE` if the given resource is a folder, `FALSE` otherwise
ISNULL Function	Returns `TRUE` if input resource is `NULL`, `FALSE` otherwise
MAKEDOCUMENT Function	Converts the XDBResource to a DOMDocument which can be operated on using the XMLDOM interface
SAVE Procedure	Updates the resource with any modifications
SETACL Procedure	Sets the ACL of the given XDBResource to the path specified
SETAUTHOR Procedure	Sets the author of the given XDBResource to the specified string
SETCHARACTERSET Procedure	Sets the character set of the given XDBResource to a specified character set
SETCOMMENT Procedure	Sets a comment associated with the given XDBResource
SETCONTENT Procedures	Replaces the contents of the given resource with the given `CLOB`
SETCONTENTTYPE Procedure	Sets the content-type of the given XDBResource
SETCUSTOMMETADATA Procedure	Sets the custom metadata specified by the XPath and namespace to new data
SETDISPLAYNAME Procedure	Sets the display name of the given XDBResource
SETLANGUAGE Procedure	Sets the language of the given XDBResource
SETOWNER Procedure	Sets the owner of the given XDBResource

FREERESOURCE Procedure

This procedure frees any memory associated with an XDBResource.

Syntax

```
DBMS_XDBRESOURCE.FREERESOURCE (
   res   IN    XDBResource)
 RETURN VARCHAR2;
```

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Parameters

Table 230-2   FREERESOURCE Procedure Parameters

Parameter	Description
res	XDBResource to free

GETACL Function

Given an XDBResource, this function returns its ACL as string.

Syntax

```
DBMS_XDBRESOURCE.GETACL (
   res   IN   XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-3   GETACL Function Parameters

Parameter	Description
res	XDBResource

GETACLDOCFROMRES Function

This function returns the ACL Document for the given resource as `XMLType`.

Syntax

```
DBMS_XDBRESOURCE.GETACLDOCFROMRES (
   res   IN   XDBResource)
 RETURN SYS.XMLTYPE;
```

Parameters

Table 230-4   GETACLDOCFROMRES Function Parameters

Parameter	Description
res	XDBResource

GETAUTHOR Function

Given an XDBResource, this function returns its author.

Syntax

```
DBMS_XDBRESOURCE.GETAUTHOR (
   res   IN   XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-5   GETAUTHOR Function Parameters

Parameter	Description
res	XDBResource

GETCHARACTERSET Function

Given an XDBResource, this function returns its characterset.

Syntax

```
DBMS_XDBRESOURCE.GETCHARACTERSET (
   res   IN    XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-6   GETCHARACTERSET Function Parameters

Parameter	Description
res	XDBResource

GETCOMMENT Function

Given an XDBResource, this function returns its comment.

Syntax

```
DBMS_XDBRESOURCE.GETCOMMENT (
   res   IN    XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-7   GETCOMMENT Function Parameters

Parameter	Description
res	XDBResource

GETCONTENTBLOB Function

This function returns the contents of the resource as a `BLOB`.

Syntax

```
DBMS_XDBRESOURCE.GETCONTENTBLOB (
   res    IN    XDBResource,
   csid   OUT   PLS_INTEGER)
 RETURN BLOB;
```

Parameters

Table 230-8   GETCONTENTBLOB Function Parameters

Parameter	Description
res	XDBResource
csid	Character set ID of the `BLOB` returned

GETCONTENTCLOB Function

This function returns the contents of the resource as a `CLOB`.

Syntax

```
DBMS_XDBRESOURCE.GETCONTENTCLOB (
   res   IN    XDBResource)
 RETURN CLOB;
```

Parameters

Table 230-9   GETCONTENTCLOB Function Parameters

Parameter	Description
res	XDBResource

GETCONTENTREF Function

This function returns the contents of the resource as an `XMLTypeRef`.

Syntax

```
DBMS_XDBRESOURCE.GETCONTENTREF (
   res   IN    XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-10   GETCONTENTREF Function Parameters

Parameter	Description
res	XDBResource

GETCONTENTTYPE Function

Given an XDBResource, this function returns its content-type.

Syntax

```
DBMS_XDBRESOURCE.GETCONTENTTYPE (
   res   IN    XDBResource)
 RETURN VARCHAR2;
```

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Parameters

Table 230-11   GETCONTENTTYPE Function Parameters

Parameter	Description
res	XDBResource

GETCONTENTXML Function

This function returns the contents of the resource as an `XMLTypeRef`.

Syntax

```
DBMS_XDBRESOURCE.GETCONTENTXML (
   res   IN   XDBResource)
 RETURN XMLType;
```

Parameters

Table 230-12   GETCONTENTXML Function Parameters

Parameter	Description
res	XDBResource

GETCONTENTVARCHAR2 Function

This function returns the contents of the resource as a string.

Syntax

```
DBMS_XDBRESOURCE.GETCONTENTVARCHAR2 (
   res   IN   XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-13   GETCONTENTVARCHAR2 Function Parameters

Parameter	Description
res	XDBResource

GETCREATIONDATE Function

Given an XDBResource, this function returns its creation date.

Syntax

```
DBMS_XDBRESOURCE.GETCREATIONDATE (
   res   IN   XDBResource)
 RETURN TIMESTAMP;
```

Parameters

Table 230-14   GETCREATIONDATE Function Parameters

Parameter	Description
res	XDBResource

GETCREATOR Function

Given an XDBResource, this function returns its creator.

Syntax

```
DBMS_XDBRESOURCE.GETCREATOR (
   res   IN   XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-15   GETCREATOR Function Parameters

Parameter	Description
res	XDBResource

GETCUSTOMMETADATA Function

This function returns the requested custom metadata given the xpath and namespace to the metadata.

Syntax

```
DBMS_XDBRESOURCE.GETCUSTOMMETADATA (
   res       IN   XDBResource,
   xpath     IN   VARCHAR2,   namespace  IN    VARCHAR2)
 RETURN XMLType;
```

Parameters

Table 230-16   GETCUSTOMMETADATA Function Parameters

Parameter	Description
res	XDBResource
xpath	XPath for custom metadata
namespace	Namespace

Usage Notes

The first component of the XPath expression must be "Resource".

GETDISPLAYNAME Function

Given an XDBResource, this function returns its display name.

Syntax

```
DBMS_XDBRESOURCE.GETDISPLAYNAME (
   res   IN    XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-17   GETDISPLAYNAME Function Parameters

Parameter	Description
res	XDBResource

GETLANGUAGE Function

Given an XDBResource, this function returns its language.

Syntax

```
DBMS_XDBRESOURCE.GETLANGUAGE (
   res   IN    XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-18   GETLANGUAGE Function Parameters

Parameter	Description
res	XDBResource

GETLASTMODIFIER Function

Given an XDBResource, this function returns its last modifier.

Syntax

```
DBMS_XDBRESOURCE.GETLASTMODIFIER (
   res   IN    XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-19   GETLASTMODIFIER Function Parameters

Parameter	Description
res	XDBResource

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GETMODIFICATIONDATE Function

Given an XDBResource, this function returns its modification date.

Syntax

```
DBMS_XDBRESOURCE.GETMODIFICATIONDATE (
   res   IN   XDBResource)
 RETURN TIMESTAMP;
```

Parameters

Table 230-20   GETMODIFICATIONDATE Function Parameters

Parameter	Description
res	XDBResource

GETOWNER Function

Given an XDBResource, this function returns its owner.

Syntax

```
DBMS_XDBRESOURCE.GETOWNER (
   res   IN   XDBResource)
 RETURN VARCHAR2;
```

Parameters

Table 230-21   GETOWNER Function Parameters

Parameter	Description
res	XDBResource

GETREFCOUNT Function

Given an XDBResource, this function returns its reference count.

Syntax

```
DBMS_XDBRESOURCE.GETREFCOUNT (
   res   IN   XDBResource)
 RETURN PLS_INTEGER;
```

Parameters

Table 230-22   GETREFCOUNT Function Parameters

Parameter	Description
res	XDBResource

GETVERSIONID Function

Given an XDBResource, this function returns its version ID.

Syntax

```
DBMS_XDBRESOURCE.GETVERSIONID (
   res   IN   XDBResource)
 RETURN PLS_INTEGER;
```

Parameters

Table 230-23   GETVERSIONID Function Parameters

Parameter	Description
res	XDBResource

HASACLCHANGED Function

This function returns TRUE if the ACL of the given resource has changed, FALSE otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASACLCHANGED (
   res   IN   XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-24   HASACLCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASAUTHORCHANGED Function

This function returns TRUE if the author of the given resource has changed, FALSE otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASAUTHORCHANGED (
   res   IN   XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-25   HASAUTHORCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASCHANGED Function

Given an XPath, this function determines whether the element or attribute represented by the XPath has changed.

Syntax

```
DBMS_XDBRESOURCE.HASCHANGED (
   res         IN    XDBResource,
   xpath       IN    VARCHAR2,
   namespace   IN    VARCHAR2)
 RETURN BOOLEAN;
```

Parameters

Table 230-26   HASCHANGED Function Parameters

Parameter	Description
res	XDBResource
xpath	XPath to check
bnamespace	Namespace to use

HASCHARACTERSETCHANGED Function

This function returns `TRUE` if the character set of the given resource has changed, `FALSE` otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASCHARACTERSETCHANGED (
   res   IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-27   HASCHARACTERSETCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASCOMMENTCHANGED Function

This function returns `TRUE` if the comment of the given resource has changed, `FALSE` otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASCOMMENTCHANGED (
   res   IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-28   HASCOMMENTCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASCONTENTCHANGED Function

This function returns `TRUE` if the contents of the given resource has changed, `FALSE` otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASCONTENTCHANGED (
   res   IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-29   HASCONTENTCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASCONTENTTYPECHANGED Function

This function returns `TRUE` if the content-type of the given resource has changed, `FALSE` otherwise

Syntax

```
DBMS_XDBRESOURCE.HASCONTENTTYPECHANGED (
   res   IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-30   HASCONTENTTYPECHANGED Function Parameters

Parameter	Description
res	XDBResource

HASCREATIONDATECHANGED Function

This function returns `TRUE` if the creation date of the given resource has changed, `FALSE` otherwise

Syntax

```
DBMS_XDBRESOURCE.HASCREATIONDATECHANGED (
   res   IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-31   HASCREATIONDATECHANGED Function Parameters

Parameter	Description
res	XDBResource

HASCREATORCHANGED Function

This function returns `TRUE` if the creator of the given resource has changed, `FALSE` otherwise

Syntax

```
DBMS_XDBRESOURCE.HASCREATORCHANGED (
   res   IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-32   HASCREATORCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASCUSTOMMETADATACHANGED Function

This function checks whether the custom-metadata for a given resource has changed.

Syntax

```
DBMS_XDBRESOURCE.HASCUSTOMMETADATACHANGED (
   res   IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-33   HASCUSTOMMETADATACHANGED Function Parameters

Parameter	Description
res	XDBResource

HASDISPLAYNAMECHANGED Function

This function returns `TRUE` if the display name of the given resource has changed, `FALSE` otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASDISPLAYNAMECHANGED (
   res    IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-34   HASDISPLAYNAMECHANGED Function Parameters

Parameter	Description
res	XDBResource

HASLANGUAGECHANGED Function

This function returns `TRUE` if the language of the given resource has changed, `FALSE` otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASLANGUAGECHANGED (
   res    IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-35   HASLANGUAGECHANGED Function Parameters

Parameter	Description
res	XDBResource

HASLASTMODIFIERCHANGED Function

This function returns `TRUE` if the last modifier of the given resource has changed, `FALSE` otherwise

Syntax

```
DBMS_XDBRESOURCE.HASLASTMODIFIERCHANGED (
   res    IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-36   HASLASTMODIFIERCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASMODIFICATIONDATECHANGED Function

This function returns TRUE if the modification date of the given resource has changed, FALSE otherwise

Syntax

```
DBMS_XDBRESOURCE.HASMODIFICATIONDATECHANGED (
   res   IN   XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-37   HASMODIFICATIONDATECHANGED Function Parameters

Parameter	Description
res	XDBResource

HASOWNERCHANGED Function

This function returns TRUE if the owner of the given resource has changed, FALSE otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASOWNERCHANGED (
   res   IN   XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-38   HASOWNERCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASREFCOUNTCHANGED Function

This function returns `TRUE` if the reference count of the given resource has changed, `FALSE` otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASREFCOUNTCHANGED (
   res   IN   XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-39   HASREFCOUNTCHANGED Function Parameters

Parameter	Description
res	XDBResource

HASVERSIONIDCHANGED Function

This function returns `TRUE` if the version ID of the given resource has changed, `FALSE` otherwise.

Syntax

```
DBMS_XDBRESOURCE.HASVERSIONIDCHANGED (
   res   IN   XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-40   HASVERSIONIDCHANGED Function Parameters

Parameter	Description
res	XDBResource

ISFOLDER Function

This function returns `TRUE` if the given resource is a folder, `FALSE` otherwise.

Syntax

```
DBMS_XDBRESOURCE.ISFOLDER (
   res   IN   XDBResource)
 RETURN BOOLEAN;
```

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Parameters

Table 230-41   ISFOLDER Function Parameters

Parameter	Description
res	XDBResource

ISNULL Function

This function returns `TRUE` if input resource is `NULL`.

Syntax

```
DBMS_XDBRESOURCE.ISNULL (
   res   IN    XDBResource)
 RETURN BOOLEAN;
```

Parameters

Table 230-42   ISNULL Function Parameters

Parameter	Description
res	Input resource

MAKEDOCUMENT Function

This function converts the XDBResource to a DOMDocument which can be operated on using the XMLDOM interface.

> **✎ See Also:**
>
> The DBMS_XMLDOM package

Syntax

```
DBMS_XDBRESOURCE.MAKEDOCUMENT (
   res   IN    XDBResource)
 RETURN DBMS_XMLDOM.DOMDocument;
```

Parameters

Table 230-43   MAKEDOCUMENT Function Parameters

Parameter	Description
res	XDBResource

SAVE Procedure

This procedures updates the resource with any modifications.

Syntax

```
DBMS_XDBRESOURCE.SAVE (
   res   IN   XDBResource);
```

Parameters

Table 230-44   SAVE Procedure Parameters

Parameter	Description
res	XDBResource

SETACL Procedure

This procedure sets the ACL of the given XDBResource to the path specified.

Syntax

```
DBMS_XDBRESOURCE.SETACL (
   res     IN OUT  XDBResource,
   ACLPath  IN      VARCHAR2);
```

Parameters

Table 230-45   SETACL Procedure Parameters

Parameter	Description
res	XDBResource
ACLPath	Absolute path of the new ACL

SETAUTHOR Procedure

This procedure sets the author of the given XDBResource to the specified string.

Syntax

```
DBMS_XDBRESOURCE.SETAUTHOR (
   res     IN OUT  XDBResource,
   author  IN      VARCHAR2);
```

Parameters

Table 230-46   SETAUTHOR Procedure Parameters

Parameter	Description
res	XDBResource
author	Author

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SETCHARACTERSET Procedure

This procedure sets the character set of the given XDBResource to a specified character set.

Syntax

```
DBMS_XDBRESOURCE.SETCHARACTERSET (
   res      IN OUT  XDBResource,
   charSet  IN      VARCHAR2);
```

Parameters

Table 230-47   SETCHARACTERSET Procedure Parameters

Parameter	Description
res	XDBResource
charset	New character set

SETCOMMENT Procedure

This procedure sets a comment associated with the given XDBResource.

Syntax

```
DBMS_XDBRESOURCE.SETCOMMENT (
   res      IN OUT  XDBResource,
   comment  IN      VARCHAR2);
```

Parameters

Table 230-48   SETCOMMENT Procedure Parameters

Parameter	Description
res	XDBResource
comment	New comment

SETCONTENT Procedures

This procedure replaces the contents of the given resource with the given datatype.

Syntax

```
DBMS_XDBRESOURCE.SETCONTENT (
   res   IN OUT  XDBResource,
   data  IN      BFILE,
   csid  IN      NUMBER);

DBMS_XDBRESOURCE.SETCONTENT (
   res   IN OUT  XDBResource,
   data  IN      BLOB,
   csid  IN      PLS_INTEGER);

DBMS_XDBRESOURCE.SETCONTENT (
```

```
    res      IN OUT  XDBResource,
    data     IN      CLOB);

DBMS_XDBRESOURCE.SETCONTENT (
    res      IN OUT  XDBResource,
    data     IN      REF SYS.XMLType,
    sticky   IN      BOOLEAN := TRUE);

DBMS_XDBRESOURCE.SETCONTENT (
    res      IN OUT  XDBResource,
    data     IN      VARCHAR2);

DBMS_XDBRESOURCE.SETCONTENT (
    res      IN OUT  XDBResource,
    data     IN      SYS.XMLType);
```

Parameters

Table 230-49   SETCONTENT Procedure Parameters

Parameter	Description
res	XDBResource
data	Data input as `BFILE`, `BLOB`, `CLOB`, string, `XMLType`
csid	Character set ID of the `BFILE`, `BLOB`
sticky	If `TRUE` creates a sticky `REF`, otherwise non-sticky

SETCONTENTTYPE Procedure

This procedure sets the content-type of the given XDBResource.

Syntax

```
DBMS_XDBRESOURCE.SETCONTENTTYPE (
    res       IN OUT  XDBResource,
    conttype  IN      VARCHAR2);
```

Parameters

Table 230-50   SETCONTENTTYPE Procedure Parameters

Parameter	Description
res	XDBResource
conttype	New content-type

SETCUSTOMMETADATA Procedure

This procedure sets the custom metadata specified by the xpath and namespace to new data.

Syntax

```
DBMS_XDBRESOURCE.SETCUSTOMMETADATA (
    res       IN OUT  XDBResource,
    xpath     IN      VARCHAR2,
```

```
   namespace    IN      VARCHAR2,
   newMetadata  IN      XMLType);
```

Parameters

Table 230-51   SETCUSTOMMETADATA Procedure Parameters

Parameter	Description
res	XDBResource
xpath	XPath to change
namespace	Namespace to use
newMetadata	New data that should replace the metadata at the given XPath

Usage Notes

The first component of the XPath expression must be "Resource".

SETDISPLAYNAME Procedure

This procedure sets the display name of the given XDBResource.

Syntax

```
DBMS_XDBRESOURCE.SETDISPLAYNAME (
   res     IN OUT  XDBResource,
   name    IN      VARCHAR2);
```

Parameters

Table 230-52   SETDISPLAYNAME Procedure Parameters

Parameter	Description
res	XDBResource
name	New display name

SETLANGUAGE Procedure

This procedure sets the language of the given XDBResource.

Syntax

```
DBMS_XDBRESOURCE.SETLANGUAGE (
   res      IN OUT  XDBResource,
   ACLPath  IN      VARCHAR2);
```

Parameters

Table 230-53   SETLANGUAGE Procedure Parameters

Parameter	Description
res	XDBResource

Table 230-53   (Cont.) SETLANGUAGE Procedure Parameters

Parameter	Description
ACLPath	New path

SETOWNER Procedure

This procedure sets the owner of the given XDBResource.

Syntax

```
DBMS_XDBRESOURCE.SETOWNER (
   res     IN OUT  XDBResource,
   owner   IN      VARCHAR2);
```

Parameters

Table 230-54   SETOWNER Procedure Parameters

Parameter	Description
res	XDBResource
owner	New owner

Usage Notes

The user must have the XDBADMIN privilege to call this subprogram.