

Oracle® Access Manager

Schema Description

10g (10.1.4.3)

E12499-01

May 2009

This guide provides details about the Oracle Access Manager schema.

Oracle Access Manager Schema Description, 10g (10.1.4.3)

E12499-01

Copyright © 2000, 2009, Oracle and/or its affiliates. All rights reserved.

Primary Author: Gail Flanegin

Contributor: Nina Wishbow

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

Preface	vii
Audience	vii
Documentation Accessibility	vii
Related Documents	viii
Conventions	ix
 What's New in Oracle Access Manager?	xi
Product and Component Name Changes	xi
New Object Classes and Attributes	xii
obVer Attribute Changes	xiii
 1 Schema Description for Oracle Access Manager 10.1.4	
oblixApplication	1-1
oblixPanel	1-2
oblixTabPanel	1-4
oblixMetaAttribute	1-5
oblixRule	1-8
oblixEnum	1-9
oblixUserDefinedButton	1-10
oblixOrgPerson	1-10
oblixGroup	1-11
oblixAdvancedGroup	1-12
oblixLocation	1-13
oblixClass	1-14
oblixConfig	1-15
oblixGroupOfUniqueNames	1-17
oblixLanguage	1-18
oblixMedia	1-19
oblixPasswordPolicy	1-20
oblixPersonPwdPolicy	1-21
oblixLPMPolicy	1-22
oblixAuxLocation	1-23
oblixContainer	1-24
oblixVirtualDB	1-25
oblixDBInstance	1-27

oblixWorkflow	1-28
oblixWorkflowStep	1-29
oblixWorkflowTarget	1-30
oblixWorkflowAttribute	1-31
oblixWorkflowInstance	1-32
oblixWorkflowStepInstance	1-34
oblixPolicyContainer	1-35
oblixPolicyCondition	1-36
oblixResourceOperationRule	1-37
oblixUserResourceAuxClass	1-39
oblixGroupResourceAuxClass	1-39
oblixWorkflowResourceAuxClass	1-40
oblixGenericResourceAuxClass	1-40
oblixWebResourceAuxClass	1-41
oblixDelegatedAdministratorAuxClass	1-43
oblixCluster	1-43
oblixURLPrefix	1-44
oblixAuthenticationPolicy	1-45
oblixPolicyRule	1-45
oblixPolicyTimePeriodCondition	1-47
oblixWRSCAction	1-48
oblixSiteDomain	1-50
oblixAuthenticationPolicy	1-51
oblixAuthenticationFlow	1-51
oblixAuthenticationStep	1-52
oblixChallengeScheme	1-53
oblixWebGateConfigInfo	1-55
oblixWebResourceSearchList	1-57
oblixWRSSearchResultColumns	1-58
oblixPSCConfig	1-59
oblixAAAEngineConfig	1-60
oblixAuditPolicy	1-61
oblixMasterAuditPolicy	1-62
oblixApplicationAuditInfo	1-65
oblixAAAServerConfigInfo	1-66
oblixWRSCAdminCommon	1-67
oblixHostID	1-68
oblixGSN	1-69
oblixSynchRecord	1-69
oblixMgmtNode	1-71
oblixAAAServerIDNode	1-71
oblixWebPassConfigInfo	1-72
oblixOISServerConfigInfo	1-74
oblixOISServerIDNode	1-75
oblixAuthzPluginScheme	1-76
oblixCustomAuthzCondition	1-77
oblixResourceType	1-78

oblixEncryptionKey	1-79
oblixReportStatus	1-80
obESSJCMapping	1-81
oblixAuxBMCPersonInfo	1-82
obESSLockingInfo	1-82

Preface

This document provides details about the Oracle Access Manager schema.

Note: Oracle Access Manager was previously known as Oblix NetPoint.

This Preface covers the following topics:

- [Audience](#)
- [Documentation Accessibility](#)
- [Related Documents](#)
- [Conventions](#)

Audience

This guide is intended for anyone who uses the Oracle Access Manager schema.

This document assumes that you are familiar with your LDAP directory and Web servers.

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

Deaf/Hard of Hearing Access to Oracle Support Services

To reach Oracle Support Services, use a telecommunications relay service (TRS) to call Oracle Support at 1.800.223.1711. An Oracle Support Services engineer will handle technical issues and provide customer support according to the Oracle service request process. Information about TRS is available at

<http://www.fcc.gov/cgb/consumerfacts/trs.html>, and a list of phone numbers is available at <http://www.fcc.gov/cgb/dro/trsphonebk.html>.

Related Documents

For more information, see the following documents in the latest Oracle Access Manager documentation set:

- *Oracle Access Manager Introduction*—Provides an introduction to Oracle Access Manager, a road map to the manuals, and a glossary of terms.
- *Oracle Access Manager Release Notes*—Read these for the latest Oracle Access Manager information.
- *Oracle Access Manager Patch Set Notes Release 10.1.4 Patch Set 2 (10.1.4.3.0) For All Supported Operating Systems*—Read this document if you want to apply the 10g (10.1.4.3) patch set to an existing 10g (10.1.4.2.0) deployment. It includes a list of enhancements, bug fixes, and known issues related to the patch set.
- *Oracle Access Manager Installation Guide*—Explains how to prepare for, install, and set up each Oracle Access Manager component.
- *Oracle Access Manager Upgrade Guide*—Explains how to upgrade earlier releases to the latest major Oracle Access Manager release using either the in-place component upgrade method or the zero downtime method.
- *Oracle Access Manager Identity and Common Administration Guide*—Explains how to configure Identity System applications to display information about users, groups, and organizations; how to assign permissions to users to view and modify the data that is displayed in the Identity System applications; and how to configure workflows that link together Identity application functions, for example, adding basic information about a user, providing additional information about the user, and approving the new user entry, into a chain of automatically performed steps. This book also describes administration functions that are common to the Identity and Access Systems, for example, directory profile configuration, password policy configuration, logging, and auditing.
- *Oracle Access Manager Access Administration Guide*—Describes how to protect resources by defining policy domains, authentication schemes, and authorization schemes; how to allow users to access multiple resources with a single login by configuring single- and multi-domain single sign-on; and how to design custom login forms. This book also describes how to set up and administer the Access System.
- *Oracle Access Manager Deployment Guide*—Provides information for people who plan and manage the environment in which Oracle Access Manager runs. This guide covers capacity planning, system tuning, failover, load balancing, caching, and migration planning.

- *Oracle Access Manager Customization Guide*—Explains how to change the appearance of Oracle Access Manager applications and how to control operation by making changes to operating systems, Web servers, directory servers, directory content, or by connecting CGI files or JavaScripts to Oracle Access Manager screens. This guide also describes the Access Manager API and the authorization and authentication plug-in APIs.
- *Oracle Access Manager Developer Guide*—Explains how to access Identity System functionality programmatically using IdentityXML and WSDL, how to create custom WebGates (known as AccessGates), and how to develop plug-ins. This guide also provides information to be aware of when creating CGI files or JavaScripts for Oracle Access Manager.
- *Oracle Access Manager Integration Guide*—Explains how to set up Oracle Access Manager to run with other Oracle and third-party products.
- *Oracle Access Manager Schema Description*—Provides details about the schema.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

What's New in Oracle Access Manager?

This section describes new features of the Oracle Access Manager release 10.1.4. This includes details for 10g (10.1.4.0.1), 10g (10.1.4.2.0), and 10g (10.1.4.3).

The following sections are included:

- [Product and Component Name Changes](#)
- [New Object Classes and Attributes](#)
- [obVer Attribute Changes](#)

Note: For a comprehensive list of all new features and functions in Oracle Access Manager 10.1.4, and a description of where each is documented, see the chapter on what's new in the *Oracle Access Manager Introduction*.

Product and Component Name Changes

The original product name, Oblix NetPoint, has changed to Oracle Access Manager. Most component names remain the same. However, there are several important changes that you should know about, as shown in the following table:

Item	Was	Is
Product Name	Oblix NetPoint Oracle COREid	Oracle Access Manager
Product Name	Oblix SHAREid NetPoint SAML Services	Oracle Identity Federation
Product Name	OctetString Virtual Directory Engine (VDE)	Oracle Virtual Directory
Product Name	BEA WebLogic Application Server BEA WebLogic Portal Server	Oracle WebLogic Server Oracle WebLogic Portal
Product Release	Oracle COREid 7.0.4	Also available as part of Oracle Application Server 10g Release 2 (10.1.2).
Directory Name	COREid Data Anywhere	Data Anywhere
Component Name	COREid Server	Identity Server
Component Name	Access Manager	Policy Manager

Item	Was	Is
Console Name	COREid System Console	Identity System Console
Identity System Transport Security Protocol	NetPoint Identity Protocol	Oracle Identity Protocol
Access System Transport Protocol	NetPoint Access Protocol	Oracle Access Protocol
Administrator	NetPoint Administrator COREid Administrator	Master Administrator
Directory Tree	Oblix tree	Configuration tree
Data	Oblix data	Configuration data
Software Developer Kit	Access Server SDK ASDK	Access Manager SDK
API	Access Server API Access API	Access Manager API
API	Access Management API Access Manager API	Policy Manager API
Default Policy Domains	NetPoint Identity Domain COREid Identity Domain	Identity Domain
Default Policy Domains	NetPoint Access Manager COREid Access Manager	Access Domain
Default Authentication Schemes	NetPoint None Authentication COREid None Authentication	Anonymous
Default Authentication Schemes	NetPoint Basic Over LDAP COREid Basic Over LDAP	Oracle Access and Identity Basic Over LDAP
Default Authentication Schemes	NetPoint Basic Over LDAP for AD Forest COREid Basic Over LDAP for AD Forest	Oracle Access and Identity for AD Forest Basic Over LDAP
Access System Service	AM Service State Policy Manager API Support Mode	Access Management Service Note: Policy Manager API Support Mode and Access Management Service are used interchangeably.

All legacy references in the product or documentation should be understood to connote the new names.

New Object Classes and Attributes

This release contains several schema changes to support password policy enhancements and lost password management.

- The following oblixPersonPwdPolicy attributes have been added:
obAnsweredChallenges, obYetToBeAnsweredChallenges,
obLastSuccessfulLoginTime, obLastFailedLoginTime.

See Also: ["oblixPersonPwdPolicy"](#) on page 1-21.

- A new object class named oblixLPMPolicy has been added.

This object class stores information about new lost password management policies, including the challenges and responses that have been configured and how challenge phrases are presented to users.

See Also: ["oblixLPMPolicy"](#) on page 1-22.

- The following attributes have been added to oblixDBInstance: obDatabaseName, obDSNName

See Also: ["oblixDBInstance"](#) on page 1-27.

- The following attributes have been added to oblixAAEngineConfig: obSessionTokenCache, obMaxSessionTokenCacheElements

See Also: ["oblixAAEngineConfig"](#) on page 1-60.

- The definition of obCompoundData has been updated throughout this guide.

obVer Attribute Changes

The obVer attribute identifies the current Oracle Access Manager release as one of several attributes in the class description of many Oracle Access Manager schema objects. For example, the obVer attribute is part of oblixPanel, oblixConfig, oblixLocation, oblixMetaAttribute, oblixEnum, and OblixOrgPerson to name only a few.

Until release 10g (10.1.4.2.0), the obVer attribute was purely informational. However starting with release 10g (10.1.4.2.0), the obVer attribute in the oblixOrgPerson class is used by the Identity and Access Servers to indicate the encoding of multiple challenge phrase and response attributes for lost password management.

See Also: ["oblixOrgPerson"](#) on page 1-10.

Schema Description for Oracle Access Manager 10.1.4

This document describes the Oracle-provided objects and attributes that control the behavior of Oracle Access Manager 10.1.4. This information is provided to help you understand the structure and behavior of the Oracle Access Manager product. This document is not intended to be used as a guide for modifying the Oracle Access Manager schema. Oracle does not support modified versions of its schema.

For a number of schema attributes that involve dates and times, Oracle Access Manager stores the data in epoch date and time, where a "0" time is January 1, 1970 00:00:00 GMT, and the value equals the number of seconds from this time. Epoch time allows systems to mathematically compare dates with other dates or some other measure of time. You can use an epoch time converter to calculate the actual date and time with the value stored with the attribute.

The obVer attribute value shows the current release level. To verify the obVer attribute value using any LDAP browser, check the oblix node entry (o=oblix,<ConfigDN>) and user entry for which you need to see attribute value. The obVer attribute value will be 10.1.4.0 for any Oracle Access Manager 10.1.4 release, whether you have 10g (10.1.4.0.1), or 10g (10.1.4.2.0), or 10g (10.1.4.3).

The following sections summarize the directory objects and attributes specific to Oracle Access Manager.

Note: Modifying the schema can cause problems when upgrading to new versions of Oracle Access Manager, and it can cause compatibility issues with older versions.

oblixApplication

[Table 1–1](#) lists the oblixApplication class descriptions.

Table 1–1 oblixApplication Class Description

Characteristic	Value
SubClassOf	Top
Description	This class defines the container for application-level definitions.
Class type	Structural
PossSuperiors	oblixConfig
Naming attribute	obApp

Table 1–1 (Cont.) oblixApplication Class Description

Characteristic	Value
OID	1.3.6.1.4.1.3831.0.1.8

For example, obapp=userservcenter, ou=oblix, o=company, c=us.

[Table 1–2](#) lists the oblixApplication attributes.

Table 1–2 oblixApplication Attributes

Attribute	Required	Description
obApp	Yes	The name of the application. This is the naming attribute.
obDirFunctions	No	The functions configured for this application. The values are true or false to indicate whether a function button is ready to be displayed on the application user interface. Examples of the values are: <ul style="list-style-type: none"> Org View:true Browse:true View Report:true My test:false
obVer	No	The current release version.

oblixPanel

[Table 1–3](#) lists the oblixPanel class descriptions.

Table 1–3 oblixPanel Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class is used to define entries of panels, reports, workflow tables, search results, and so on. Since this class is the super class of oblixTabPanel, the attributes defined in this class are also applicable to tabs.
Class type	Structural
PossSuperiors	oblixClass, oblixTabPanel, oblixConfig
Naming attribute	obPanelID
OID	1.3.6.1.4.1.3831.0.1.0

For example,

```
obpanelid=telephony, obpanelid=employees, obapp=userservcenter,
ou=oblix, o=company, c=us
```

```
obpanelid=ticketTable, ou=oblix, o=company, c=us
```

[Table 1–4](#) lists the oblixPanel attributes.

Table 1–4 oblixPanel Attributes

Attribute	Required	Description
obPanelID	Yes	The ID that uniquely identifies this panel, tab, or table. It is used as the naming attribute.

Table 1–4 (Cont.) oblixPanel Attributes

Attribute	Required	Description
obClass	Yes	<p>The object classes to be used when entry information is searched.</p> <p>When used for a panel, the valid value is inetOrgPerson or another configured person class.</p> <p>When used for a tab, the valid values are:</p> <ul style="list-style-type: none"> ■ inetOrgperson or another configured person class ■ obGroupOfUniqueNames or an other configured generic class ■ officeObject or another configured generic class <p>When used for a ticket table, the valid value is obTicket.</p> <p>When used for report, the valid value is inetOrgPerson or another configured person or generic class.</p>
obReady	Yes	Whether the panel is ready for display. The default is false.
obName	Yes	The name of the panel or tab. If obPanelTabImageFileName is not used, this label will show up in the default image.
obPanelType	Yes	<p>The type of the panel. When it used for a panel, the valid values are:</p> <ul style="list-style-type: none"> ■ unknown ■ defaultPanel ■ headerPanel ■ jCardPanel ■ TableViewPanel ■ reportPanel ■ monitorTableView ■ ticketTableView ■ wfProfileTopPanel ■ wfProfileLowerPanel ■ wfTicketInfoPanel ■ wfSubflowPanel <p>and so on.</p> <p>When it is used for a tab, the valid values are:</p> <ul style="list-style-type: none"> ■ unknown ■ htmlFile ■ oblixUsable ■ personTab ■ groupTab
obTemplateClass	No	Contains all template classes attached to a tab.
obOrder	No	The order this panel is to be displayed in relation to other panels.
obDescription	No	The description for this object.
obFilter	No	The search filter is used in an "and" relationship with the obClass when generating a report. It is not used in panels.

Table 1–4 (Cont.) oblixPanel Attributes

Attribute	Required	Description
obMouseOver	No	The help message displayed when the mouse is over this field.
obPanelTabImgFile Name	No	The image file to be used to draw the top panel or tab image.
obPanelTabImg Depressed	No	The image file to be used to draw the top panel or tab image when a user selects the panel or tab.
obPanelTabImgFile NameBottom	No	The image file to be used to draw the bottom panel or tab image for a horizontal profile.
obPanelTabImg DepressedBottom	No	The image file to be used to draw the bottom panel or tab image when the user selects the panel or tab for a horizontal profile.
obPanelTitleImgFile Name		The image file to be used to display the title for this panel.
obPanelcTabImg FileName	Not in use.	Not in use.
obPanelcTabImg FileName2	Not in use.	Not in use.
obPanelcTabImg FileNameBottom	Not in use.	Not in use.
obPanelcTabImg FileName2Bottom	Not in use.	Not in use.
obHidden	No	Whether this panel is for system use only. The default is false. An example: obpanelid=locations,obapp=userservcenter,ou=oblix,o=company,c=us
obVer		The current release version.

For example, obapp=userservcenter, ou=oblix, o=company, c=us.

oblixTabPanel

Table 1–5 lists the oblixTabPanel class descriptions.

Table 1–5 oblixTabPanel Class Description

Characteristic	Value
SubClassOf	oblixPanel (It is Top for Active Directory so that Active Directory will have all the attributes from oblixPanel.)
Description	This object class is used to define the tabs and workflow ticket tables.
Class type	Structural
PossSuperiors	oblixApplication, oblixClass
Naming attribute	obPanelID
OID	1.3.6.1.4.1.3831.0.1.1

For example:

obpanelid=Employees, obapp=userservcenter, ou=oblix, o=company, c=us

obpanelid=Locations, obapp=objservcenter, ou=oblix, o=company, c=us

obpanelid=ticketTable, obclass=obticket, ou=oblix, o=company, c=us

Table 1–6 lists the oblixTabPanel attributes.

Table 1–6 oblixTabPanel Attributes

Attribute	Required	Description
obTabSearchBaseStr	No	The search base associated with the tab.
obPanelFilter	No	A filter that will be used in an "and" relationship with the obClass when directory entry information is searched.
obHTMLFile	No	Not in use.
obVer	No	The current release version.

oblixMetaAttribute

Table 1–7 lists the oblixMetaAttribute class descriptions.

Table 1–7 oblixMetaAttribute Class Description

Characteristic	Value
SubClassOf	Top
Description	This class holds the Oracle Access Manager meta information for handling the semantic relationship, the display name, the display type, and so on for the attributes. It is used for attributes that are configured under panels or with the object classes.
Class type	Structural
PossSuperiors	oblixPanel, oblixTabPanel, oblixClass
Naming attribute	obAttr
OID	1.3.6.1.4.1.3831.0.1.4

For example, attributes under a panel:

obattr=cn, obpanelid=Employees, obapp=userservcenter, ou=oblix, o=company, c=us

For example, attributes under a class:

obattr=mailstop, obclass=inetorgperson, ou=oblix, o=company, c=us

Table 1–8 lists the oblixMetaAttribute attributes.

Table 1–8 oblixMetaAttribute Attributes

Attribute	Required	Description
obAttr	Yes	The name of the attribute this meta data is for. This is the naming attribute.

Table 1–8 (Cont.) oblixMetaAttribute Attributes

Attribute	Required	Description
obDisplayName	No	The user friendly name for the attribute that the end user sees.
obDisplayType	Yes	<p>The display appearance of this attribute. When it used for a panel, the valid values are:</p> <ul style="list-style-type: none"> ▪ ObDTextS ▪ ObDEmail ▪ ObDDn ▪ ObDGenericSelector ▪ ObDSelect ▪ ObDTextM ▪ ObDTextSM ▪ ObDDate ▪ ObDRadio ▪ ObDCheckBox ▪ ObDPassword ▪ ObDGif ▪ ObDLocationDn ▪ ObDSMIMECertificate ▪ ObDPostalAddress ▪ ObDGifURL ▪ ObDFacsimileTelNum ▪ ObDBoolean ▪ ObDBitString ▪ ObDMedia ▪ ObDNumericStr ▪ ObDQueryBuilder <p>The allowed values of obDisplayType varies depending on the value of the obSemanticType.</p>

Table 1–8 (Cont.) oblixMetaAttribute Attributes

Attribute	Required	Description
obSemanticType	No	<p>The semantic rule associated with this attribute. Valid values:</p> <ul style="list-style-type: none"> ▪ ObSName ▪ ObSTitle ▪ ObSPhoto ▪ ObSManager ▪ ObSDirectReports ▪ ObSFirstName ▪ ObSLastName ▪ ObSIndirectManager ▪ ObSSecretary ▪ ObSRole ▪ ObSMap ▪ ObSLogin ▪ ObSPassword ▪ ObSEmail ▪ ObSDerived ▪ ObSLocationCoord ▪ ObSDNPrefix ▪ ObSVirtual ▪ ObSStaticMember ▪ ObSDynamicMember ▪ ObSOwner ▪ ObSAdministrator ▪ ObSChallenge ▪ ObSResponse
obDateType	No	<p>The value can be:</p> <ul style="list-style-type: none"> ▪ ObUnknownDate ▪ ObIntegerDate ▪ ObMDYDate ▪ ObDMYDate ▪ ObISO8601Date ▪ ObISO8601DateGeneralized
obDateSeparator	No	<p>The value can be:</p> <ul style="list-style-type: none"> ▪ / for ObMDYDate ▪ - for ObISO8601Date
obChoiceType	No	<p>When the obDisplayType is a radio button, check box, or a selection menu, this attribute is used to indicate:</p> <ul style="list-style-type: none"> ▪ ob_enum - use a list ▪ ob_rule - use a rule <p>See oblixEnum and oblixRule for details.</p>
obOrder	No	The sequence in which the attribute appears on a panel.

Table 1–8 (Cont.) oblixMetaAttribute Attributes

Attribute	Required	Description
obCardinality	No	Whether a single value or multiple values are allowed for this attribute. Valid values are ob_single and multi.
obLifeCycleInfo		Not in use.
obSearchable	No	Whether this attribute should appear in a search list. The value of this attribute is automatically assigned based on the display type.
obRows	No	Used as a back-door way to specify the number of rows for displaying a muti-line text box.
obCols	No	Used as a back-door way to specify the number of columns for displaying a muti-line text box
obSize	No	Used as a back-door way to determine the width of a single line of text
obVisible	No	Determines whether this attribute appears on the user interface for configuring and generating a report. The value of this attribute is automatically assigned based on the display type.
obObjectClass	No	The object class in which the derived attribute or Generic Selector is looked up.
obLookupAttr	No	The attribute to be looked up in another object class for the derived attribute
obMatchAttr	No	The attribute to be matched for the derived attribute.
obReportable		Not in use.
obClass	No	
obDefaultValue		Not in use.
obMaxLength	No	Used to specify the maximum number of characters for displaying a single-line text box or a password.
obDataType	No	
obDriving		
obDrivenBy		
obVer	No	The current release version.

For example, obapp=userservcenter, ou=oblix, o=company, c=us.

oblixRule

Table 1–9 lists the oblixRule class descriptions.

Table 1–9 oblixRule Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class holds the rules associated with the meta data.
Class type	Structural
PossSuperiors	oblixMetaAttribute
Naming attribute	obID

Table 1–9 (Cont.) oblixRule Class Description

Characteristic	Value
OID	1.3.6.1.4.1.3831.0.1.7

For example:

```
obrule=ourule, obattr=ou, obclass=inetorgperson, ou=oblix
```

```
obrule=ourule, obattr=obparentlocationdn, obclass=oblixlocation,
ou=oblix, o=company, c=us
```

[Table 1–10](#) lists the oblixRule attributes.

Table 1–10 oblixTabPanel Attributes

Attribute	Required	Description
obID	Yes	The system generated unique ID to be used as the naming attribute.
obAttr	Yes	The attribute value to be used when the rule is satisfied. This attribute may or may not be the same as the attribute that meta data is associated with.
obRule	Yes	The filter assigned to the rule.
obVer	No	The current release version.

oblixEnum

[Table 1–11](#) lists the oblixEnum class descriptions.

Table 1–11 oblixRule Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class holds the choice associated with the meta data.
Class type	Structural
PossSuperiors	oblixMetaAttribute
Naming attribute	obID
OID	1.3.6.1.4.1.3831.0.1.7

For example:

```
obid=19980713T2257320, obattr=employeetype,
obclass=inetorgperson, ou=oblix, o=company, c=us
```

[Table 1–12](#) lists the oblixEnum attributes.

Table 1–12 oblixEnum Attributes

Attribute	Required	Description
obID	Yes	The system-generated unique ID to be used as the naming attribute.
obStoreAs	Yes	The actual value to be used for processing.
obDisplayName	No	The name, corresponding to the obStoredAs value, to be displayed in a list for the user to select.

Table 1–12 (Cont.) oblixEnum Attributes

Attribute	Required	Description
obOrder	No	The order for displaying in the list.
obVer	No	The current release version.

oblixUserDefinedButton

[Table 1–13](#) lists the oblixUserDefinedButton class descriptions.

Table 1–13 oblixUserDefinedButton Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines entries for user defined functions (options). Not in use.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.0.1.7

For example:

```
obname=my option, obapp=userservcenter, ou=oblix, o=company,
c=us
```

[Table 1–14](#) lists the oblixUserDefinedButton attributes.

Table 1–14 oblixUserDefinedButton Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obHTMLFile	Yes	The URL of the HTML file to be invoked when this button is clicked.
obApp	No	Intended for a pointer to point back to the application this button belongs to. Currently not filled.
obButtonImgFileName	No	The name of the image file for the button.
obMouseOver	No	The help text displayed when the mouse is over this button
obVer	No	The current release version.

oblixOrgPerson

[Table 1–15](#) lists the oblixOrgPerson class descriptions.

Table 1–15 oblixOrgPerson Class Description

Characteristic	Value
SubClassOf	

Table 1–15 (Cont.) oblixOrgPerson Class Description

Characteristic	Value
Description	This object class is an auxiliary class for associating Oracle Access Manager person information with the class configured as the structural person object class.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.0.1.13

For example

cn=Rohit Valiveti, ou=Sales, ou=Dealer1k1, ou=Latin America,
ou=Ford, o=company, c=us

Table 1–16 lists the oblixOrgPerson attributes.

Table 1–16 oblixOrgPerson Attributes

Attribute	Required	Description
obUIConfig	No	Not in use.
obLocationDN	No	The location DN for this person.
obRectangle	No	The rectangle location relative to the location map.
obPSFTID	No	Not in use.
obInDirectManager	No	The DN of the indirect manager.
obObjectClass	No	Not in use.
obDirectReports	No	Not in use.
obUserAccount Control	No	The flag indicating whether the user is activated. Possible values include: activated, deactivated, and ObWfPendingActivate. If no value is present, activated is assumed.
obOutOfOffice Indicator	No	This attribute indicates if the person is on vacation. If yes, it will have value as true. Otherwise the value is false.
obVer	No	The current release version. For any 10.1.4 release, the value will 10.1.4.0. A value of 10.1.4.0 or greater in oblixOrgPerson indicates that the challenge phrase and response attributes are encoded with a delimiter of @n# between multiple values. In the encoding, <i>n</i> is the number of the challenge or response. For more information about multiple challenge and response attributes, see the <i>Oracle Access Manager Identity and Common Administration Guide</i> . For implications when upgrading from an earlier release to Oracle Access Manager 10g (10.1.4.2.0), see the <i>Oracle Access Manager Upgrade Guide</i> .

oblixGroup

Table 1–17 lists the oblixGroup class descriptions.

Table 1–17 oblixGroup Class Description

Characteristic	Value
SubClassOf	
Description	This object class is attached to the group object class managed by the Group Manager.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.0.1.14

For example

cn=testing group, o=company, c=us

[Table 1–18](#) lists the oblixGroup attributes.

Table 1–18 oblixGroup Attributes

Attribute	Required	Description
obGroupCreator	No	The DN of the user who created the group.
obGroupCreation Date	No	The date and time the group is created.
obSubscription TypesNo		The group subscription policy. Possible values are: <ul style="list-style-type: none"> SubscriptionPolicyClosed SubscriptionPolicyOpen SubscriptionPolicyOpenFilter SubscriptionPolicyControlledWorkflow

oblixAdvancedGroup

[Table 1–19](#) lists the oblixAdvancedGroup class descriptions.

Table 1–19 oblixAdvancedGroup Class Description

Characteristic	Value
SubClassOf	
Description	This object class is used to attach additional attributes to the group object to provide advanced features
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.8.1.1

[Table 1–20](#) lists the oblixAdvancedGroup attributes.

Table 1–20 oblixAdvancedGroup Attributes

Attribute	Required	Description
obVer	No	The current release version.

Table 1–20 (Cont.) oblixAdvancedGroup Attributes

Attribute	Required	Description
obGroupSubscriptionType	No	The subscription policy associated with this group.
obGroupExpanded Dynamic	No	This attribute controls whether a dynamic group is going to be expanded from time to time into static members.
obGroupSimplifiedAccess Control	No	Indicates the type of initial access control set on a group during creation.
obGroupPureDynamic	No	Indicates whether a group is purely dynamic and no static uniquemembers can be added.
obGroupAdministrator	No	The administrator for the group. This is different from the owner.
obGroupSubscribe Message	No	Message to send to a new member when subscribed to a group.
obGroupUnsubscribe Message	No	Message to send to a member when unsubscribed from a group.
obGroupSubscription Filter	No	The LDAP filter to specify who can subscribe to a group if the obSubscriptionType is set to Filter.
obGroupDynamicFilter	No	The dynamic filter for this group.

oblixLocation

[Table 1–21](#) lists the oblixLocation class descriptions.

Table 1–21 oblixLocation Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the location entries. It is provided for use of the location feature.
Class type	Structural
PossSuperiors	domainDNS, organization, organizationUnit, locality
Naming attribute	obID
OID	1.3.6.1.4.1.3831.0.1.3

For example

```
obid=650_castro, o=company, c=us
```

[Table 1–22](#) lists the oblixLocation attributes.

Table 1–22 oblixLocation Attributes

Attribute	Required	Description
obID	Yes	The unique ID of the location. It is the naming attribute.
obLocationName	No	The description for this location. For example, it could be the address.
obLocationTitle	No	The name given for this location. For example, it could be the sales office.
obPhoto	No	The image for this location.

Table 1–22 (Cont.) oblixLocation Attributes

Attribute	Required	Description
obParentLocation DN	No	The parent location DN.
obRectangle	No	The rectangle location relative to the parent location.
obVer	No	The current release version.

oblixClass

[Table 1–23](#) lists the oblixClass class descriptions.

Table 1–23 oblixClass Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the meta information for the object class.
Class type	Structural
PossSuperiors	oblixConfig
Naming attribute	obClass
OID	1.3.6.1.4.1.3831.0.1.9

For example:

```
obclass=inetorgperson,ou=oblix,o=company,c=us
```

```
obclass=obticket,ou=oblix,o=company,c=us
```

```
obclass=oblixlocation,ou=oblix,o=company,c=us
```

```
obclass=oblixorgperson,ou=oblix,o=company,c=us
```

[Table 1–24](#) lists the oblixClass attributes.

Table 1–24 oblixClass Attributes

Attribute	Required	Description
obClass	Yes	The name of the object class this meta data is for.
obReady	Yes	Whether this configuration is ready to be used.
obClassAttr	No	One of the configured attributes for this class. This attribute is used as the link to the object profile. In attribute access, this attribute is used to determine if a user may view the object.
obClassType	No	The class type as in the following: <ul style="list-style-type: none"> personClass—When PersonClass is chosen. groupClass—When GroupClass is chosen. genericClass—When GenericClass is chosen. locationClass—Used for oblixLocation only.
obHidden	No	Whether it is for system use.
obClassKind	No	Whether the defined class is structural or auxiliary.
obVer	No	The current release version.

oblixConfig

Table 1–25 lists the oblixConfig class descriptions.

Table 1–25 oblixConfig Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the container node for the configuration data.
Class type	Structural
PossSuperiors	domainDNS, organization, organizationalUnit, locality
Naming attribute	ou
OID	1.3.6.1.4.1.3831.0.1.2

For example:

```
ou=oblix, o=company, c=us
```

Table 1–26 lists the oblixConfig attributes.

Table 1–26 oblixConfig Attributes

Attribute	Required	Description
ou	Yes	The organizational unit. This is the naming attribute.
obPersonOC	Yes	The person object class managed by the User Manager.
obSearchbaseStr	No	The global searchbase defined at setup time. This is the default searchbase for all managed operations.
obWebMasterEmail	No	The mail list name for Web masters.
obBugReportEmail	No	The mail list name for filing bug reports.
obFeedbackEmail	No	The mail list name for sending feedback.
obPhotoStyle	No	The personal photo style. The value can be either ob_variable or ob_fixed.
obPhotoHeight	No	The height of the photo displayed on the profile page. Used only when style is ob_fixed.
obPhotoWidth	No	The width of the photo displayed on the profile page. Used only when style is ob_fixed.
obSMTPHostName	No	The SMTP server name.
obSMTPPort	No	The SMTP server port number.
obDefaultStyle	No	Not in use.
obDefaultOnlyStyle	No	Not in use.
obUserSessionTimeout	No	The idle timeout duration of the Oracle Access Manager session if single sign-on is not being used.

Table 1–26 (Cont.) oblixConfig Attributes

Attribute	Required	Description
obRichHTMLEmail	No	Whether the mail server can handle rich text: true for rich text (default) false for simple text
obVer	No	The current release version. This value is used by the Identity and Access Servers with the Lost Password Management feature. For any 10.1.4 release, the value is 10.1.4.0. For more information about multiple challenge and response attributes, see the <i>Oracle Access Manager Identity and Common Administration Guide</i> . For implications when upgrading from an earlier release to Oracle Access Manager 10.1.4, see the <i>Oracle Access Manager Upgrade Guide</i> .
obUserSessionElapseTime	No	The elapsed time for updating the session cookie.
obSSOLogoutURL	No	Specifies the logout URL if single sign-on is enabled.
obGroupOC	No	Object class managed by group manager.
obSMTPDomainName	No	The mail server domain.
obMailSentType	No	Mail sent type: asynchronous or synchronous
obAsynchMailQueueSize	No	Queue size for asynchronous mail.
obPasswordExpiryRedirectURL	No	The redirect URL for the password expiration warning.
obLostPasswordRedirectURL	No	The redirect URL for lost password management.
obPasswordChangeRedirectURL	No	The redirect URL for password reset.
obPasswordManagementFlag	No	Not in use.
obAdditionalSearchbasesStr	No	Used for disjoint searchbase support in ID.
obPolicyBase	No	The domain path where access policies are stored.

Table 1–26 (Cont.) oblixConfig Attributes

Attribute	Required	Description
obCompoundData	No	<p>A compound list that holds the attribute names of the most recent login attempts (successful or unsuccessful) and whether logging is enabled or disabled. Some directories restrict the size of attribute values. In cases where obCompoundData overflows, you can chunk the obCompoundData value and store it as a multivalued attribute. The chunk size is specified in the compound_data_threshold parameter in globalparams.xml for the Identity Server and Access Server installation areas. See the <i>Oracle Access Manager Customization Guide</i> for details.</p> <p>Example:</p> <pre><?xml version="1.0" encoding="ISO-8859-1"?> <CompoundList ListName="obcompounddata"> <ValNameList ListName="AuthnloggingConfig"> <Name ValPair ParamName="SuccessLogEnabled" Value="True"/> <Name ValPair ParamName="FailedLogEnabled" Value="True"/> <Name ValPair ParamName="SuccessAttemptTimeAttribute" Value="obLastFailedAttempt"/> </ValNameList> </compoundList></pre>
obAccountLockoutRedirectURL	No	Holds the default account lockout redirect URL. This URL used when a password policy does not contain this URL.

oblixGroupOfUniqueNames

Table 1–27 lists the oblixGroupOfUniqueNames class descriptions.

Table 1–27 oblixGroupOfUniqueNames Class Description

Characteristic	Value
SubClassOf	groupOfUniqueNames—for Active Directory and NS. Top—for other directory servers.
Description	This object class defines the Web master and directory master groups.
Class type	Structural
PossSuperiors	organizationalUnit, organization, oblixConfig, oblixApplication
Naming attribute	cn
OID	1.3.6.1.4.1.3831.0.1.18

For example:

cn=Web Masters, ou=oblix, o=company, c=us

cn=Directory Administrators,ou=oblix,o=company,c=us

Table 1–28 lists the oblixGroupOfUniqueNames attributes.

Table 1–28 oblixGroupOfUniqueNames Attributes

Attribute	Required	Description
cn	Yes	Naming attribute for the group.
obUniqueMemberStr	No	Web master or directory master for the group.
businessCategory	No	Should not include this if it is inherited from groupOfUniqueNames.
obVer	No	The current release version.

oblixLanguage

Table 1–29 lists the oblixLanguage class descriptions.

Table 1–29 oblixLanguage Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class indicates the ability of Oracle Access Manager to support multiple language packs.
Class type	Structural
PossSuperiors	OblixConfig
Naming attribute	obID
OID	1.3.6.1.4.1.3831.0.1.35

For example:

```
dn: obid=2002T00000002, obcontainerid=language, o=Oblix
obid: 2002T00000002
obattr: obmouseover
oblanguag: fr-FR
obdisplayname: Informations de vue sur des employes
obresourceuid: obpanelid=Employees, obapp=UserServCenter,
o=Oblix
objectclass: oblixtext
```

Table 1–30 lists the oblixLanguage attributes.

Table 1–30 oblixLanguage Attributes

Attribute	Required	Description
obID	Yes	Language tag RFC 1766.
obLanguage	No	Language code part of the Language Tag ISO 639-1.
obSubTag	No	Optional subtag of the Language Tag ISO 3166-1 or IANA.
obOrder	No	Language evaluation order.

Table 1–30 (Cont.) oblixLanguage Attributes

Attribute	Required	Description
obDisplayname	No	Display name of the configuration.
obEnabled	No	If the value is true, the configuration is enabled. Otherwise, it is disabled.
obVer	No	The current release version.

oblixMedia

Table 1–31 lists the oblixMedia class descriptions.

Table 1–31 oblixMedia Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class is used for the media display type.
Class type	Structural
PossSuperiors	oblixMetaAttribute
Naming attribute	obID
OID	1.3.6.1.4.1.3831.0.1.19

For example:

```
Obid=10021119T104927682, obattr=userCertificate,
obclass=inetorgperson, ou=oblix, o=company, c=us
```

Table 1–32 lists the oblixMedia attributes.

Table 1–32 oblixMedia Attributes

Attribute	Required	Description
obID	Yes	The unique identifier for this object.
obMediaType	No	The specific media type from the following list: application/postscript, application/rtf, application/x-mif, application/x-csh, application/x-dvi, application/x-hdf, application/x-latex, application/x-netcdf, application/x-sh, application/x-tcl, application/x-tex, application/x-texinfo, application/x-troff, application/x-troff-man, application/x-troff-me, application/x-troff-ms, application/x-wais-src, application/zip, application/x-gtar, application/x-shar, application/x-tar, application/mac-binhex40, audio/basic, audio/x-aiff, audio/x-wav, image/gif, image/ief, image/jpeg, image/tiff, image/x-cmu-raster, image/x-portable-anymap, image/x-portable-bitmap, image/x-portable-graymap, image/x-portable-pixmap, image/x-rgb, image/x-bitmap, image/x-pixmap, image/x-windowdump, text/html, text/plain, text/richtext, text/tab-separated-values, text/x-setext, video/mpeg, video/quicktime, video/x-msvideo, video/x-sgi-movie, eapplication/msword, application/mspowerpoint, application/msexcel
obMediaTypeFileExt	No	The file extension for the above mediatype.

Table 1–32 (Cont.) oblixMedia Attributes

Attribute	Required	Description
obDescription	No	The description for this object.
obVer	No	The current release version.

oblixPasswordPolicy

[Table 1–33](#) lists the oblixPasswordPolicy class descriptions.

Table 1–33 oblixPasswordPolicy Class Description

Characteristic	Value
SubClassOf	Top
Description	This is the object class for password policy definition.
Class type	Structural
PossSuperiors	OblixConfig, oblixContainer
Naming attribute	obPasswordPolicyID
OID	1.3.6.1.4.1.3831.0.1.20

For example:

```
obpasswordpolicyid=10021119T1033315301, obcontainerid=password,
ou=oblix, o=company, c=us
```

[Table 1–34](#) lists the oblixPasswordPolicy attributes.

Table 1–34 oblixPasswordPolicy Attributes

Attribute	Required	Description
obPassWordPolicyID	Yes	Unique ID for this password policy.
obInputValidationRules	No	The minimum non-alphanumeric character and length for the password.
obPasswordValidityPeriod	No	Password validity period.
obPasswordExpiryNoticePeriod	No	Password expiration notification period—how many days elapse before an expiration notification is sent.
obExpiryNoticeMode	No	Password expiration notification mode: email, login, or both.
obLostPasswordMechanism	No	Not in use.
obLostPasswordModel	No	Not in use.
obChangeOnReset	No	Whether the user must change their password upon first login after the administrator resets the password.
obKeepHistory	No	How many used passwords are kept in the history.
obPasswordPolicyDomain	No	The domain this password policy is applicable to. For example: Example: o=company,c=us
obPasswordPolicyName	No	The name for this password policy.

Table 1–34 (Cont.) oblixPasswordPolicy Attributes

Attribute	Required	Description
obPasswordPolicyFilter	No	The filter to be applied to the policy domain. This is useful if the directory information tree (DIT) is flat.
obPasswordMinimumAge	No	The password minimum age in days.
obLoginTries	No	The number of permitted login attempts.
obLockoutDuration	No	The lockout time period if login fails.
obLoginTimeout	No	The days to wait to allow login retry once locked out.
obPasswordPolicyEnabled	No	Whether this policy is enabled.
obVer	No	The current release version.
obLPMdn	No	The DN of the Lost Password Management policy definition. This DN is applicable to all of the users who are administered by this password policy.
obCompoundData	No	A compound list that contains information about account lockout, redirect URLs for lost passwords and password expiry warnings, and associated style sheet information. For more information on obCompoundData, see the discussion of the oblixConfig object class.

oblixPersonPwdPolicy

Table 1–35 lists the oblixPersonPasswordPolicy class descriptions.

Table 1–35 oblixPersonPwdPolicy Class Description

Characteristic	Value
SubClassOf	
Description	This object class is the auxiliary class attached to the user class for runtime password policy handling.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.0.1.21

Table 1–36 lists the oblixPersonPasswordPolicy attributes.

Table 1–36 oblixPersonPwdPolicy Attributes

Attribute	Required	Description
obPasswordCreationDate	No	The date and time the latest password was created. Used to determine if a password should expire.
obPasswordHistory	No	The passwords used in the past. This attribute is used when password history is enabled.
obPasswordChangeFlag	No	Indicates whether a password needs to be reset during login.

Table 1–36 (Cont.) oblixPersonPwdPolicy Attributes

Attribute	Required	Description
obPasswordExpmail	No	Not in use.
obLoginTryCount	No	The number of login tries conducted. Used for number of login tries.
obLockoutTime	No	The date and time the account is to be locked out. Used for lockout duration.
obFirstLogin	No	Not in use.
obResponseTries	No	The number of tries permitted for a challenge response. Used for number of login tries.
obLastLoginAttemptDate	No	The last time a login is attempted. Used for login tries reset. This attribute is looked up only if password policy has been enabled. If not, it is not required for a successful login.
obLastResponseAttemptDate	No	The last time response was given. Used for login tries reset.
obResponseTimeout	No	Not in use.
obAnsweredChallenges	No	The challenge or challenges that a user has already responded to correctly during a lost password request. Multiple values are stored in encoded format as a single value.
obYetToBeAnsweredChallenges	No	The challenge or challenges that a user has to answer next during a lost password recovery request. Multiple values are stored in encoded format as a single value.
obLastSuccessfulLoginTime	No	Records the time of the user's last login.
obLastFailedLoginTime	No	Records the time of the user's last unsuccessful login attempt.

oblixLPMPolicy

Table 1–37 lists the oblixLPMPolicy class descriptions.

Table 1–37 oblixLPMPolicy Class Description

Characteristic	Value
SubClassOf	Top
Description	The object class for Lost Password Management policy definition.
Class type	Structural
Possible superiors	OblixConfig, oblixContainer
Naming attribute	obLPMName
OID	1.3.6.1.4.1.3831.0.1.36
Examples	obLPMName=lpm1,obcontainerId=lostPassword,o=Oblix, o=company,c=us

Table 1–38 lists the oblixPersonPasswordPolicy attributes.

Table 1–38 oblixLPMPolicy Attributes

Attribute	Required	Description
obLPMName	Yes	Unique name of the Lost Password Management Policy.
obCPSource	Yes	Determines if users can supply their own challenge phrases, if they must respond to an administrator-defined set of challenges, or if both methods are available. Possible values: User—The user can configure the challenge phrases. Predefined—The administrator provides the challenge phrase. The display type is a select element. User or Predefined—The user can choose between administrator-provided challenge phrases or supply new ones. The display type is a combo element.
obCPSet	No	Predefined challenge phrases that are configured by an administrator. This is a multi-valued attribute.
obMinimumChallengeConfigure	Yes	Minimum number of challenges to be configured, while creating the user account.
obResponseMinimumLength	No	Minimum number of characters that must be present in the responses that are configured by a user.
obAllowDuplicateResponses	Yes	Indicates if the same response can be configured for different challenge phrases. Takes a value of true or false.
obMinimumChallengeAnswer	Yes	Minimum number of challenges to be answered correctly when a user deals with a lost password.
obChallengePoseType	Yes	Determines how challenges are presented when a user deals with a lost password. Possible values are All At Once or One After the Other.
obSendEmail	Yes	Determines if email must be sent after a password change that is handled by the lost password application. Possible values are true or false.
obPolicyEnabled	Yes	Determines if this policy is enabled. Possible values are true or false.

oblixAuxLocation

[Table 1–39](#) lists the oblixAuxLocation class descriptions.

Table 1–39 oblixAuxLocation Class Description

Characteristic	Value
SubClassOf	
Description	This auxiliary class can be attached to any structural class managed by Oracle Access Manager to mark the managed object on a location map.

Table 1–39 (Cont.) oblixAuxLocation Class Description

Characteristic	Value
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.0.1.24

Table 1–40 lists the oblixAuxLocation attributes.

Table 1–40 oblixAuxLocation Attributes

Attribute	Required	Description
obLocationDN	No	The DN of the location object.
obRectangle	No	The coordinate of the user, group, or generic object on the map defined by the location object.

oblixContainer

Table 1–41 lists the oblixContainer class descriptions.

Table 1–41 oblixContainer Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the generic container for Oracle Access Manager-defined objects.
Class type	Structural
PossSuperiors	OblixConfig, oblixApplication
Naming attribute	obContainerID
OID	1.3.6.1.4.1.3831.0.1.25

For example:

```
obcontainerId=policies,ou=oblix,o=company,c=us
```

```
obcontainerId=DBAgents,ou=oblix,o=company,c=us
```

```
obcontainerId=password,ou=oblix,o=company,c=us
```

```
obcontainerId=workflowDefinitions,ou=oblix,o=company,c=us
```

```
obcontainerId=workflowInstances,ou=oblix,o=company,c=us
```

Table 1–42 lists the oblixContainer attributes.

Table 1–42 oblixContainer Attributes

Attribute	Required	Description
obContainerID	Yes	The name used for this object.
obVer	No	The current release version.

oblixVirtualDB

[Table 1–43](#) lists the oblixVirtualDB class descriptions.

Table 1–43 oblixVirtualDB Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class is used for a specific virtual directory server profile. A directory server profile instantiates an agent that connects to back-end data bases.
Class type	Structural
PossSuperiors	oblixContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.0.1.27

For example

obname=default-ois, obcontainerId=DBAgents, ou=oblix, o=company, c=us

[Table 1–44](#) lists the oblixVirtualDB attributes.

Table 1–44 oblixVirtualDB Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obDBUsedBy	No	Used by the Access System, Identity System, or both.
obUsedByApp	No	Indicates the application for which the DB Profile can be used. Permitted applications and their values are: <ul style="list-style-type: none"> ■ MIIS = 2 ■ Audit = 4 ■ Report = 8
obOrder	No	Not in use.
obDBDataType	No	Not in use.
obDescription	No	Not in use.

Table 1–44 (Cont.) oblixVirtualDB Attributes

Attribute	Required	Description
obDBOperation	No	<p>The type of operation the directory server profile can carry out:</p> <ul style="list-style-type: none"> ■ All ■ Search ■ Read ■ Write ■ Search Entries ■ Read Entry, Modify Entry ■ Create Entry, Delete Entry ■ Delete Entries, Move Entry ■ Move Entries ■ Compare Attribute ■ Change Password ■ Remove Link ■ Authenticate User
obDBSubType	No	<p>The subtype of the back end directory server. Examples:</p> <ul style="list-style-type: none"> ■ iPlanet ■ AD/LDAP ■ CP ■ SecureWay ■ eDirectory ■ ADSI
obVer	No	The current release version.
obSearchBaseStr	No	The string format for the searchbase associated with this object.
obEnable	No	Whether this configuration is enabled.
obIsSchemaMaster (for future use)	No	To identify the schema master among the directory server profiles.
obDisplayName	No	A human-readable and human-understandable name for the object.
obSchemaDomain (for future use)	No	A Oracle Access Manager-generated unique ID for the schema domain.
obFlags	No	Used to store the flags (referral/SSL/ADSI) on the directory server profile entry.
obDBType	No	The type of the back end data store. Type of directory server: LDAP, RDBMS, PeopleSoft, and so on.
obMaximumServers	No	Maximum number of directory servers used for load balancing.
obFailoverThreshold	No	The minimum number of live primary connections required. If the number of live connections drops to less than the failover threshold, then the Web component attempts to establish connections to its secondary servers in the order they are listed.

Table 1–44 (Cont.) oblixVirtualDB Attributes

Attribute	Required	Description
obSleepFor	No	Time interval for detecting if the directory server is active.
obDBUsedByFlag	No	Indicates whether the DBProfile is used by the Access or Identity Systems, by both, or by specified Oracle Access Manager instances.

oblixDBInstance

Table 1–45 lists the oblixDBInstance class descriptions.

Table 1–45 oblixDBInstance Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the DB instance under a directory server profile. Each DB instance contains the connection configuration to a back end directory server.
Class type	Structural
PossSuperiors	oblixVirtualDB, oblixContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.0.1.28

For example

```
obname=20021116T12333165617, obname=default-ois, obcontainerId=DBA
gents, ou=oblix, o=company, c=us
```

Table 1–46 lists the oblixDBInstance attributes.

Table 1–46 oblixDBInstance Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obOrder	No	Not in use.
obDescription	No	Not in use.
obDBAgentSecurePort	No	The port number of the back end directory server when SSL is used.
obDBAgentCert7PathName	No	Not in use.
obDBAgentSizeLimit	No	The client side size limit.
obDBAgentTimeLimit	No	The client side time limit.
obDBAgentMaxConnections	No	The maximum number of connections with the directory server that this instance can establish.
obDBAgentInitialConnections	No	The initial number of connections to be established when this instance is started.
obDBAgentFlags	No	Whether the referral or SSL is on.
obDBAgentLoginPassword	No	The bind password for this instance.

Table 1–46 (Cont.) oblixDBInstance Attributes

Attribute	Required	Description
obDBAgentLoginName	No	The bind credential for this instance.
obDBAgentPort	No	The port number of the directory server this instance is configured to connect to.
obDBAgentHost	No	The host name of the directory server this instance is configured to connect to.
obDisplayName	No	A human-readable and human-understandable name for the object.
obDatabaseName	No	The database name, if an ODBC connection type is used, or the Global Database Name, if an OCI connection type is used.
obDSNName	No	The ODBC Data Source Name that is used to connect to the database.
obVer	No	The current release version.

oblixWorkflow

Table 1–47 lists the oblixWorkflow class descriptions.

Table 1–47 oblixWorkflow Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class is used for workflow definitions.
Class type	Structural
PossSuperiors	organizationalUnit, organization, oblixContainer
Naming attribute	obWorkflowID
OID	1.3.6.1.4.1.3831.7.1

For example

```
obworkflowid=7ecd515472b14662976cdee0e447027c,
obcontainerid=workflowDefinitions, ou=oblix, o=company, c=us
```

Table 1–48 lists the oblixWorkflow attributes.

Table 1–48 oblixWorkflow Attributes

Attribute	Required	Description
obWorkflowID	Yes	The unique ID generated to identify this workflow definition.
obWorkflowName	Yes	The name entered by a user for this workflow definition
obClass	Yes	The object classes this workflow is associated with. This includes all object classes, structured and auxiliary.

Table 1–48 (Cont.) oblixWorkflow Attributes

Attribute	Required	Description
obWorkflowType	Yes	The type of the workflow. Values can be: <ul style="list-style-type: none"> ■ CREATE_OBJECT ■ DELETE_OBJECT ■ CHANGE_OBJECT
obTreePathStr	No	The domain path where the workflow is defined. The workflow is applicable to all entries under this domain.
obTreePathFilter	No	The filter associated with the delegated management domain. Used when a workflow is defined by a delegated admin.
obWFDomainFilter	No	The filter associated with the tree path. The filter could be used to further quantify the domain.
obNoOfInstances	No	
obAttr	No	The attribute the change attribute and certificate workflow is defined for.
obApp	No	The application this workflow definition is for.
obWFFirstStep	No	Not in use.
obReady	No	Whether this workflow is ready to use.
obDefiner	No	Not in use.
obDescription	No	A description for this object.
ObDabeledDN	Not in use.	Not in use.
obVer	No	The current release version.
obWFTypeName	No	A friendly name for the workflow type. This name is obtained from the parameter file.
obISWorkflowProvisioned	No	Indicates whether this workflow can be used as a subflow.
obSubscriptionTypes	No	The group subscription policy enabled for this workflow. These policies are shown in the list for selection during the workflow run time.

oblixWorkflowStep

[Table 1–49](#) lists the oblixWorkflowStep class descriptions.

Table 1–49 oblixWorkflowStep Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the workflow step definition.
Class type	Structural
PossSuperiors	oblixWorkflow
Naming attribute	obWFStepID
OID	1.3.6.1.4.1.3831.7.1.2

For example:

```
obwfstepid=1, obworkflowid=7ecd515472b14662976cdee0e447027c,
obcontainerid=workflowDefinitions, ou=oblix, o=company, c=us
```

[Table 1–50](#) lists the oblixWorkflowStep attributes.

Table 1–50 oblixWorkflowStep Attributes

Attribute	Required	Description
obWFStepID	Yes	The unique ID generated for this workflow step.
obActionName	Yes	The name of this workflow action. The possible names are defined in the workflow template files.
obOrder	Yes	The order of this workflow step relevant to others.
obCompoundData	Yes	Stores XML configuration data pertaining to escalation threshold time interval, maximum number of times to escalate the ticket. For more information on obCompoundData, see the discussion of the oblixConfig object class.
obDescription	No	The description for this object.
obEntryCondition	No	The entry condition for this step. For example: 1:true:false means that the first step exited successfully without waiting for a subflow.
obVer	No	The current release version.
obForceCommit	No	Whether this step needs to perform an implicit commit.
obUserAction	No	When this step is user interactive.
obWFAttrOrder	No	The order of the attributes to be displayed. Listed by attribute names.
obWFSubflowsStr	No	The DN of the subflow that this step needs to wait for to begin.

oblixWorkflowTarget

[Table 1–51](#) lists the oblixWorkflowTarget class descriptions.

Table 1–51 oblixWorkflowTarget Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class is for the target definition under a workflow definition.
Class type	Structural
PossSuperiors	oblixWorkflow
Naming attribute	obWFTargetID
OID	1.3.6.1.4.1.3831.7.1.7

For example

```
obwftargetid=T1, obworkflowid=7ecd515472b14662976cdee0e447027c,
obcontainerid=workflowDefinitions, ou=oblix, o=company, c=us
```

Table 1–52 lists the oblixWorkflowTarget attributes.

Table 1–52 oblixWorkflowTarget Attributes

Attribute	Required	Description
obWFTargetID	Yes	The unique ID generated for the target.
obWFTargetDNStr	No	The DN of the target domain. Target domain can be a subset of the domain where workflow is defined.
obWFTargetLabel	No	The name of the target domain entered by user at definition time.
obWFTargetFilter	No	The filter further qualifying the target domain. Often used when DIT is flat.
obVer	No	The current release version.

oblixWorkflowAttribute

Table 1–53 lists the oblixWorkflowAttribute class descriptions.

Table 1–53 oblixWorkflowAttribute Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class contains the attribute defined under a workflow step definition.
Class type	Structural
PossSuperiors	oblixWorkflowStepInstance, oblixWorkflowStep
Naming attribute	obAttr
OID	1.3.6.1.4.1.3831.7.1.6

For example

```
obattr=cn, obwfstepid=1,
obworkflowid=7ecd515472b14662976cdee0e447027c,
obcontainerid=workflowDefinitions, ou=oblix, o=company, c=us
```

Table 1–54 lists the oblixWorkflowAttribute attributes.

Table 1–54 oblixWorkflowAttribute Attributes

Attribute	Required	Description
obAttr	Yes	The attribute this object is for.
obAttrType	Yes	Currently set to 1.
obAttrVals	No	The default attribute value if the value is set.
obVer	No	The current release version.
obWFAttrFlags	No	How this attribute is to be handled. Possible values: <ul style="list-style-type: none"> ▪ WF_REQUIRED ▪ WF_OPTIONAL ▪ WF_READONLY ▪ WF_HIDDEN
obWFAttrDefVal	No	The default value for this attribute if provided.

oblixWorkflowInstance

Table 1–55 lists the oblixWorkflowInstance class descriptions.

Table 1–55 oblixWorkflowInstance Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class is for workflow instances.
Class type	Structural
PossSuperiors	OrganizationalUnit, organization, oblixContainer
Naming attribute	obWFInstanceID
OID	1.3.6.1.4.1.3831.7.1.3

For example

```
obwfinstanceid=3f3b4eb0f241426f862dfaa18efa5ec6,
obcontainerid=workflowInstances, ou=Oblix, o=company, c=us
```

Table 1–56 lists the oblixWorkflowInstance attributes.

Table 1–56 oblixWorkflowInstance Attributes

Attribute	Required	Description
obWFInstanceID	Yes	The unique ID generated to uniquely identity this workflow instance.
obWorkflowDN	Yes	The DN of this workflow instance.
obTargetDN	Yes	The DN the target user, group or object the workflow is trying to create, delete, or change attribute for.
obCurrentDN	No	The DN of the current person who is processing the workflow.
obCurrentStep	No	The DN of the current step where is workflow process is at.
obClass	No	The object classes this workflow is for, including all structure class and auxiliary classes.
obApp	No	The application name this workflow is for.
obWorkflowType	No	The workflow type copied from the definition. The valid values are: <ul style="list-style-type: none"> ■ CREATE_OBJECT ■ DELETE_OBJECT ■ CHANGE_OBJECT
obAttr	No	Not in use.
obDateCreated	No	The time stamp this instance is created.
obWFSupplementalVal	No	Used by subflow approval to store the user defined outcome of the subflow.
obDateProcessed	No	The time stamp for the last action took place.
obParentWorkflow	No	The parent workflow this workflow is triggered.

Table 1–56 (Cont.) oblixWorkflowInstance Attributes

Attribute	Required	Description
obParentStep	No	The step in the parent workflow this workflow is triggered.
obWFStatus	No	<p>The instance status:</p> <ul style="list-style-type: none"> ■ -1 - Unknown0 - Success ■ 1 - Failed ■ 2 - PendingUser ■ 3 - PendingSubflow ■ 4 - PendingPreAction ■ 5 - PendingPostAction ■ 6 - PendingUserInPre ■ 7 - PendingUserInPost ■ 8 - LastStepDone ■ 9 - Asynch ■ 10 - PendingExecution ■ 11 - Cancelled ■ 12 - PendingPreNotify ■ 13 - PendingPreSubflow ■ 14 - PendingPostNotify ■ 15 - TriggerSubflows ■ 16 - ForceCommit ■ 17 - Retry ■ 18 - PendingRetry
obTriggeredWorkflow	No	The number of workflows triggered by this workflow.
obVer	No	The current release version.
obHostName	No	The host name where WebPass is running. Used for asynch resume and IDXML call in the Event plug-in.
obPort	No	The port number where WebPass is running. Used for asynch resume and IDXML call in event plug-in.
obActionIndicator	No	Used in a change attribute workflow. Indicates whether to modify or remove an attribute.
obWFTypeName	No	The workflow name specified by the user in the definition.
obActorComment	No	The comments people put in during the workflow process.
obKey	No	Used for certificate workflows. Key is the public key to be used to connect to VeriSign.
obCertid	No	Used for certificate workflows. Uniquely identify a user cert in case multiple certs are present.
obWorkflowName	No	The workflow name copied from the definition.
obLockedBy	No	If one of the step instances is locked by a user, this attribute contains the DN of the user who locked the ticket.

oblixWorkflowStepInstance

[Table 1–57](#) lists the oblixWorkflowStepInstance class descriptions.

Table 1–57 oblixWorkflowStepInstance Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class is for the workflow step instances.
Class type	Structural
PossSuperiors	oblixWorkflowInstance
Naming attribute	obWFStepInstID
OID	1.3.6.1.4.1.3831.7.1.4

For example:

```
obwfstepid=1, obworkflowid=7ecd515472b14662976cdee0e447027c,
obcontainerid=workflowDefinitions, ou=Oblix, o=company, c=us;
```

[Table 1–58](#) lists the oblixWorkflowStepInstance attributes.

Table 1–58 oblixWorkflowStepInstance Attributes

Attribute	Required	Description
obWFStepInstID	Yes	The unique ID generated to identify this step instance.
obWorkflowStepDN	Yes	The DN of this step instance.
obCompoundData	No	Stores XML configuration data for supporting dynamic participants for the workflow step, escalation time, number of times ticket has been escalated. For more information on obCompoundData, see the discussion of the oblixConfig object class.
Obdynamicparticipantsset	No	Stores information about whether dynamic participants are set for the step instance or not. If set, this attribute will be present and its value will be 1. Otherwise, the attribute will not be present.
obEntryCondition	No	Not in use.
obWFStatus	No	
obRequiredAttribute	No	Contains the names of the required attributes.
obProvisionedAttribute	No	Contains the names of the attributes associated with the subflows.
obOptionalAttribute	No	Contains the names of the optional attributes.
obParticipant	No	Not in use.
obActorDN	No	The DN of the person who processed this step.
obActionName	No	The step action name. Copied from the definition.
obDateCreated	No	The time that this step instance was created.
obDateProcessed	No	The time that this step was last processed.

Table 1–58 (Cont.) oblixWorkflowStepInstance Attributes

Attribute	Required	Description
obActorComment	No	Step status used for the confirmation page. Modifiable by the Event API with setResultString. For example: 2:completed – step 2 completed
obExitCondition	No	Not in use.
obActionCode	No	The return code from this action. <ul style="list-style-type: none"> 0 – success 1- failure
obTriggeredWorkflow	No	The subflow(s) triggered by this workflow.
obVer	No	The current release version.
obApp	No	The application this workflow is associated with.
obRetryCount	No	The number of retries happened for this step.
obRetryDone	No	If the step involves retry, this is set to true when the retry is done.
obLockedBy	No	If the step is locked by a user, this contains a DN of the user who locked the ticket.

oblixPolicyContainer

Table 1–59 lists the oblixPolicyContainer class descriptions.

Table 1–59 oblixPolicyContainer Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class is a container that contains access policies for a particular group of objects.
Class type	Structural
PossSuperiors	oblixcontainer
Naming attribute	obPolicyContainerID
OID	1.3.6.1.4.1.3831.5.1.9

For example:

```
obPolicyContainerId=UserDB, obContainId=Policies, ou=oblix,
o=company, c=us
```

Table 1–60 lists the oblixPolicyContainer attributes.

Table 1–60 oblixWorkflowInstance Attributes

Attribute	Required	Description
obPolicyContainerID	Yes	The value of this attribute uniquely identifies the related policies stored under this container. The possible values are: <ul style="list-style-type: none"> WebResourceDB UserDB ObGroupDB ObObjectDB WorkflowDB
obVer	No	The current release version.

oblixPolicyCondition

Table 1–61 lists the oblixPolicyCondition class descriptions.

Table 1–61 oblixPolicyCondition Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class contains the policy condition for a policy definition.
Class type	Structural
PossSuperiors	oblixPolicyRule
Naming attribute	obName
OID	1.3.6.1.4.1.3831.5.1.10

For example:

```
Obname=c20021119T21151119115, obname=P20021119t210123979,
obpolicyContainerId=UserDB, obcontainerId=Policies, ou=oblix,
o=company, c=us
```

Table 1–62 lists the oblixPolicyCondition attributes.

Table 1–62 oblixWorkflowInstance Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obPolicyConditionOrder	No	The order of the policy condition. The policy will be evaluated in this order.
obPolicyConditionUsage	No	Currently only Allow is used.
obPolicyConditionUIDStr	No	Contains the user DN, based on which access control can be specified.
obPolicyConditionGroupStr	No	Contains the group DN, based on which access control can be specified.

Table 1–62 (Cont.) oblixWorkflowInstance Attributes

Attribute	Required	Description
obPolicyConditionRole	No	The role assigned the access control. The Access System supports two roles: ob_any ob_none
obPolicyConditionRuleURL	No	The LDAP URL defined from the Query Builder.
obPolicyConditionTreeURL	No	Not in use.
obPolicyConditionIPAddress	No	Contains the IP address, based on which access control can be specified.
obVer	No	The current release version.

oblixResourceOperationRule

Table 1–63 lists the oblixResourceOperationRule class descriptions.

Table 1–63 oblixPolicyCondition Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the operation and evaluation rule for the access policy.
Class type	Structural
PossSuperiors	oblixSiteDomain, oblixPolicyContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.5.1.1

For example:

```
obname=R20021119T210123820, obpolicyContainerId=UserDB,
obcontainerId=Policies, ou=oblix, o=company, c=us
```

Table 1–64 lists the oblixResourceOperationRule attributes.

Table 1–64 oblixWorkflowInstance Attributes

Attribute	Required	Description
obName	Yes	A unique ID generated to identify the policy. This is the naming attribute.
obDescription	No	A short informal description of the Resource Operation Rule that will be displayed by the Policy Manager.

Table 1–64 (Cont.) oblixWorkflowInstance Attributes

Attribute	Required	Description
obResourceOperation	No	<p>The value of this attribute depends upon type of resource.</p> <p>For Web resources, it's simply the HTTP request methods. The possible values are:</p> <ul style="list-style-type: none"> - Get - Put - Head - Options - Connect - Delete - Trace - Other - Post <p>For Identity System attribute access control, the possible values are</p> <ul style="list-style-type: none"> - Read - Write - Delete - Prenotify - Postnotify - Participant - Workflow - Container_limit - WF_Monitoring - Proxy <p>These basic rights can be combined with Grant and Delegate rights.</p>
obResourceType	No	<p>This can be used to indicate the type of resource.</p> <p>In the Access System, for example, a resource could be a "uri", a "directory entry", an "application" and so on.</p> <ul style="list-style-type: none"> - 0 indicates an HTTP resource type - 1 indicates ejb resource type <p>In the Identity System, it may contain:</p> <ul style="list-style-type: none"> - User_DB_Entry - Group_DB_Entry - Generic_DB_Entry - Application - Other
obPolicyRuleName	No	Used by Oracle Access Manager. Contains the DN of the corresponding oblixPolicyRule entry.
obResourcePropagate Policy	No	Used by Oracle Access Manager. Currently always set to true.

Table 1–64 (Cont.) oblixWorkflowInstance Attributes

Attribute	Required	Description
obResourceUmbrellaPolicy	No	Used by Oracle Access Manager. Currently always set to true, which means the policy is applied to the entire subtree.
obDisplayName	No	The display name of the policy.
obResourceFilter	No	Used by the Oracle Access Manager. This filter is applied to the resource to decide if this policy is applicable.
obResourcePriority	No	Used by the Oracle Access Manager. This is an internal priority. It defines the sequence of the policies to be evaluated when resource filter is present at the same domain path. The highest rank is 99.
ObResourceID	No	The obName part of the URL prefix that this policy corresponds to.
obAbsPathPattern	No	Not in use.
obVer	No	The current release version.
obAuthzEvalExp	No	This is the expression used for chained authorization.
obDuplicateAction	No	This is the attribute that stores duplicate action policies for an authorization expression.

oblixUserResourceAuxClass

Table 1–65 lists the oblixUserResourceAuxClass class descriptions.

Table 1–65 oblixUserResourceAuxClass Class Description

Characteristic	Value
SubClassOf	
Description	This is the auxiliary class attached to oblixResourceOperationRule for UserDB.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.5.1.7

Table 1–66 lists the oblixUserResourceAuxClass attributes.

Table 1–66 oblixUserResourceAuxClass Attributes

Attribute	Required	Description
obResourceUIDStr	No	The domain path where policy is defined. The policy is applicable to the subtree of this domain path.
obResourceAttribute	No	The directory attribute this policy is defined for.

oblixGroupResourceAuxClass

Table 1–67 lists the oblixGroupResourceAuxClass class descriptions.

Table 1–67 oblixGroupResourceAuxClass Class Description

Characteristic	Value
SubClassOf	
Description	This is the auxiliary class attached to oblixResourceOperationRule for GroupDB.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.5.1.8

Table 1–68 lists the oblixGroupResourceAuxClass attributes.

Table 1–68 oblixGroupResourceAuxClass Attributes

Attribute	Required	Description
obResourceUIDStr	No	The domain path where policy is defined. The policy is applicable to the subtree of this domain path.
obResourceAttribute	No	The directory attribute this policy is defined for.
obGroupSubscriptionType	No	Not in use.
obGroupType	No	Not in use.

oblixWorkflowResourceAuxClass

Table 1–69 lists the oblixWorkflowResourceAuxClass class descriptions.

Table 1–69 oblixWorkflowResourceAuxClass Class Description

Characteristic	Value
SubClassOf	
Description	This is the auxiliary class attached to oblixResourceOperationRule for WorkflowDB.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.7.1.5

Table 1–70 lists the oblixWorkflowResourceAuxClass attributes.

Table 1–70 oblixWorkflowResourceAuxClass Attributes

Attribute	Required	Description
obWorkflowName	No	The workflow definition DN for which this policy is defined for.
obWFStepID	No	The step ID of the workflow the policy is applied.

oblixGenericResourceAuxClass

Table 1–71 lists the oblixGenericResourceAuxClass class descriptions.

Table 1–71 oblixGenericResourceAuxClass Class Description

Characteristic	Value
SubClassOf	
Description	This is the auxiliary class attached to oblixResourceOperationRule for obObjDB.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.5.1.6

Table 1–72 lists the oblixGenericResourceAuxClass attributes.

Table 1–72 oblixGenericResourceAuxClass Attributes

Attribute	Required	Description
obResourceUidStr	No	The domain path where the policy is defined. The policy is applicable to the subtree of this domain path.
obResourceAttribute	No	The directory attribute for which this policy is defined.
obObjectClass	No	The structural class for which the policy is defined.
obSize	No	The maximum number of subnodes specified by the container limit.
obContainmentNotifyLimit	No	The % up to which notification should be sent.

oblixWebResourceAuxClass

Table 1–73 lists the oblixWebResourceAuxClass class descriptions.

Table 1–73 oblixWebResourceAuxClass Class Description

Characteristic	Value
SubClassOf	
Description	This object class defines additional resource parameters.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.5.1.4

Table 1–74 lists the oblixWebResourceAuxClass attributes.

Table 1–74 oblixWorkflowInstance Attributes

Attribute	Required	Description
obName	No	A unique ID generated by the Access System to identify the resource.

Table 1–74 (Cont.) oblixWorkflowInstance Attributes

Attribute	Required	Description
obAbsPathPattern	No	<p>This attribute defines a filter for a group of Web resources. The value of this attribute is a glob pattern.</p> <p>For example:</p> <p>obAbsPathPattern: /webgatetest/.../*.html</p>
obQueryStrNameValuePattern	No	<p>This attribute defines the name-value pair to be matched in the query string. It has the format:</p> <p>obQueryStrNameValuePattern: <i>var_name:globpattern</i></p> <p>The <i>var_name</i> is matched character-by-character with the query string variable. The <i>globpattern</i> is matched by globbing. The order in which these variables appear in the query string is not important.</p> <p>For example:</p> <p>obQueryStrNameValuePattern: program:*.exe</p> <p>bQueryStrNameValuePattern:userid:use*1 obQueryStrNameValuePattern: param1:fo*</p> <p>The above values will match with these query strings:</p> <ul style="list-style-type: none"> http://www.company.com/frontpage.cgi?program=search.exe&userid=user1k1&param1=foo http://www.company.com/frontpage.cgi?program=search.exe&userid=user1k1&param1=foo&param2=bar http://www.company.com/frontpage.cgi?program=search.exe&userid=user1k1&param1=foo <p>The preceding values will not match these query strings:</p> <ul style="list-style-type: none"> http://www.company.com/frontpage.cgi?program=search&userid=cchan&param1=foo http://www.company.com/frontpage.cgi?program=search.exe&userid=cchan
obQueryStrPattern	No	<p>This pattern is matched directly with the query string. The order in which the variables appear in the query string matters. The variable must be the full name, for example, variable names cannot be matched as glob patterns. However, values can be represented as a glob pattern.</p> <p>For example:</p> <p>obQueryStrPattern: program=*.exe&userid=u*1</p> <p>and not</p> <p>obQueryStrPattern: pr*am=asdf.exe&u*d=use1k1</p>

Table 1–74 (Cont.) oblixWorkflowInstance Attributes

Attribute	Required	Description
obHostContext	No	Value contains the obName value of the host identifier to which this oblixWebResourceauxClass applies.

oblixDelegatedAdministratorAuxClass

Table 1–75 lists the oblixDelegatedAdministratorAuxClass class descriptions.

Table 1–75 oblixDelegatedAdministratorAuxClass Class Description

Characteristic	Value
SubClassOf	Top
Description	This auxiliary class is used with the oblixPolicyRule class to store the delegated administrators for the Access System Console.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.5.1.11

Table 1–76 lists the oblixDelegatedAdministratorAuxClass attributes.

Table 1–76 oblixDelegatedAdministratorAuxClass Attributes

Attribute	Required	Description
obPolicyConditionUIDStr	No	Contains the user DN, based on which access control can be specified.
obPolicyConditionGroupStr	No	Contains the group DN, based on which access control can be specified.
obPolicyConditionRole	No	The role assigned the access control. The Access System supports two roles: <ul style="list-style-type: none"> ▪ ob_any ▪ ob_none

oblixCluster

Table 1–77 lists the oblixCluster class descriptions.

Table 1–77 oblixCluster Class Description

Characteristic	Value
SubClassOf	Top
Description	Clustering functionality for the Access System Console.
Class type	Structural
PossSuperiors	oblixContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.32

Table 1–78 lists the oblixCluster attributes.

Table 1–78 oblixCluster Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obIsEncrypted	Yes	The mode between Access Gate and Access Server. The transport security mode. Can be open, simple, cert.
obAAAMembers	No	This attribute stores the member Access Servers of a cluster. It is a multi-valued attribute.
obService	No	Indicates if the Access Management service is turned on or off.
obTimeStamp	No	

oblixURLPrefix

Table 1–79 lists the oblixURLPrefix class descriptions.

Table 1–79 oblixURLPrefix Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the resource to be protected by the Access System and the policy domain to which the resource belongs.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.1

Table 1–80 lists the oblixURLPrefix attributes.

Table 1–80 oblixURLPrefix Attributes

Attribute	Required	Description
obName	Yes	This is the naming attribute. It is generated by the Access System by "munging" the URL prefix. An internal tool does the conversion.
obDescription	No	A short description of the URL Prefix that is displayed by the Policy Manager.
obSiteDomainID	No	The attribute contains the obName value of the policy domain to which this URL prefix belongs.
obURLPrefix	No	The munged value of the Resource.
obHostContext	No	This attribute contains the obname value of the Host Identifier to which this URL Prefix belongs.
obResourceType	No	Indicates the resource type. Resource types are added through the System Console. For example, 0 indicates HTTP, 1 indicates EJB.
obVer	No	The current release version.

oblixAuthenticationPolicy

[Table 1–81](#) lists the oblixAuthenticationPolicy class descriptions.

Table 1–81 oblixAuthenticationPolicy Class Description

Characteristic	Value
SubClassOf	Top
Description	This class represents the authentication rule for a given policy domain or policy.
Class type	Structural
PossSuperiors	oblixResourceOperationRule, oblixSiteDomain
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.3

For example:

```
obname=20021118T15425613, obname=20021118T1542429, obapp=PSC, ou=Oblix, o=company, c=us
```

[Table 1–82](#) lists the oblixAuthenticationPolicy attributes.

Table 1–82 oblixAuthenticationPolicy Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obDescription	No	A description of this object.
obDisplayName	No	A human-readable and human-understandable name for the object.
obSchemeID	No	
obVer	No	The current release version.

oblixPolicyRule

[Table 1–83](#) lists the oblixPolicyRule class descriptions.

Table 1–83 oblixPolicyRule Class Description

Characteristic	Value
SubClassOf	Top
Description	This class represents the "If Condition then Action" semantics associated with a policy. This entry is used as a container for the authorization rules as well as the delegated administration rules.
Class type	Structural
PossSuperiors	oblixResourceOperationRule, oblixSiteDomain, oblixPolicyContainer, oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.5.1.5

[Table 1–84](#) lists the oblixPolicyRule attributes.

Table 1–84 *oblixWorkflowInstance Attributes*

Attribute	Required	Description
obName	Yes	A unique ID generated by the Policy Manager to identify the policy. This is the naming attribute.
obPolicyRuleEnabled	No	This attribute indicates whether a policy rule is currently enabled. If the entry is that of a delegated administrator, the value of this attribute is always true and cannot be changed from the user interface. When used in an authorization rule, the value can either be true or false.
obPolicyRuleConditionList	No	Not in use.
obPolicyRuleConditionListType	No	<p>This attribute indicates whether the list of policy conditions associated with this policy rule is in disjunctive normal form (DNF) or conjunctive normal form (CNF). Defined values are DNF(1) and CNF(2).</p> <p>If the value is "1", it means that all the conditions of obPolicyRuleConditionList must be evaluated to be true in order for the oblixPolicyRule to be evaluated to be true.</p> <p>If the value is "2", it means that if any of the conditions in obPolicyRuleConditionList is evaluated to be true then the oblixPolicyRule is evaluated to be true.</p> <p>The Access System currently uses only 2.</p>
obPolicyRuleActionList	No	
obPolicyRuleDeniedActionList	No	
obPolicyRuleValidityPeriodList	No	Not in use.
obPolicyRulePriority	No	<p>A non-negative integer for prioritizing this oblixPolicyRule relative to other oblixPolicyRules. A larger value indicates a higher priority.</p> <p>It is not used in the Access System, and a value of "1" is assigned to all obPolicyRule.</p>
obPolicyKeyword	No	Possible values for this attribute are: user or admin. The keyword is used to distinguish between an Access Policy and an Admin Policy.
obDescription	No	The description for this object.
obDisplayName	No	A human-readable and human-understandable name for the object.
obPolicyTimingCondLocalOrAbs	No	This is used to determine if the timing condition associated with the policy should be evaluated with respect to local time or absolute time.
obVer	No	The current release version.

oblixPolicyTimePeriodCondition

Table 1–85 lists the oblixPolicyTimePeriodCondition class descriptions.

Table 1–85 oblixPolicyTimePeriodCondition Class Description

Characteristic	Value
SubClassOf	
Description	A class representing an action to be performed as a result of a policy rule.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.5.1.2

Table 1–86 lists the oblixPolicyTimePeriodCondition attributes.

Table 1–86 oblixPolicyTimePeriodCondition Attributes

Attribute	Required	Description
obPtpConditionTime	Yes	The range of calendar dates on which a policy rule is valid. The format of the string is <i>yyyymmddhhmmss:yyyymmddhhmmss</i>
obPtpConditionMonthOfYearMask	No	A mask identifying the months of the year in which a policy rule is valid. The format is a string of 12 ASCII "0"s and "1"s, representing the months of the year from January through December. Example: A policy that is valid only on May and December will have the following value for this attribute: 000010000001
obPtpConditionDayOfMonthMask	No	A mask identifying the days of the month on which a policy rule is valid. The format is a string of 62 ASCII "0"s and "1"s. The first 31 positions represent the days of the month in ascending order, from day 1 to day 31. The next 31 positions represent the days of the month in descending order, from the last day to the day 31 days from the end.
obPtpConditionDayOfWeekMask	No	A mask identifying the days of the week on which a policy rule is valid. The format is a string of seven ASCII "0"s and "1"s, representing the days of the week from Sunday through Saturday. Example: A policy which is valid from Monday to Friday will have the following value for this attribute: 0111110.

Table 1–86 (Cont.) oblixPolicyTimePeriodCondition Attributes

Attribute	Required	Description
obPtpConditionTimeOfDayMask	No	The range of times at which a policy rule is valid. If the second time is earlier than the first, then the interval spans midnight. The format of the string is <i>hhmmss : hhmmss</i>
obPtpConditionTimeZone	No	The definition of the time zone for this object. The format of the string is either: "Z" (UTC) or <"+" "-"><hhmm>

oblixWRSCAction

Table 1–87 lists the oblixWRSCAction class descriptions.

Table 1–87 oblixWRSCAction Class Description

Characteristic	Value
SubClassOf	
Description	A class representing an action to be performed as a result of a policy rule.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.5.1.3

Table 1–88 lists the oblixWRSCAction attributes.

Table 1–88 oblixWRSCAction Attributes

Attribute	Required	Description
obSuccessRedirect	Yes	This attribute defines the URL that the user is redirected to if the rule condition is evaluated to be true. Example: <code>http://intranet/apps/payroll/paycheck1.html</code>
obSuccessProfilesAttrs	No	This attribute defines HTTP header variables to be returned when a rule condition is evaluated to be true. It has the following format: <i>Return Type: var_name:attribute in person objectclass</i> The value to be returned is retrieved from the person's user profile. Example: To have Access System return the authenticated person's first and last name in the HTTP header variables <i>fullname</i> , and <i>lastname</i> , the oblixWRSCAction entry should contain the followings attributes: <code>obSuccessProfileAttrs:headerVar:FULLNAME:cn</code> <code>obSuccessProfileAttrs:headerVar:LASTNAME:sn</code>

Table 1–88 (Cont.) oblixWRSCAction Attributes

Attribute	Required	Description
obSuccessFixedVals	No	<p>This attribute defines HTTP header variables to be returned when a rule condition is evaluated to be true. It has the following format:</p> <p>Return Type:var_name:value</p> <p>The value to be returned is fixed and predefined.</p> <p>Example:</p> <p>To have Access System return True in the HTTP header variable Authenticated, the oblixWRSCAction entry should contain the followings attribute:</p> <pre>obSuccessFixedVals:headerVar:Authenticated: true</pre>
obFailRedirect	No	<p>This attribute defines the URL that the user is redirected to if the policy condition is evaluated to be false.</p> <p>Example:</p> <pre>http://intranet/apps/errorpages/Custom AuthentFail.html</pre>
obFailProfileAttrs	No	<p>This attribute defines HTTP header variables to be returned when a rule condition is evaluated to be false. It has the following format:</p> <p>Return Type:var_name:attribute in person objectclass</p> <p>The value to be returned is retrieved from the person's user profile.</p> <p>Example:</p> <p>To have Access System return upon a failed authorization the person's First, Last name and Organization in HTTP header variables <i>fullname</i>, <i>lastname</i>, and <i>organization</i>, the oblixWRSCAction entry should contain the followings:</p> <pre>obFailProfileAttrs:headerVar:FULLNAME:cn obFailProfileAttrs:headerVar:LASTNAME:sn obFailProfileAttrs:headerVar:ORGANIZATION:ou</pre>
obFailFixedVals	No	<p>This attribute defines HTTP header variables to be returned when a rule condition is evaluated to be false. It has the following format:</p> <p>Return Type:var_name:value</p> <p>The value to be returned is fixed and predefined.</p> <p>Example:</p> <p>To have the Access System return True in the HTTP header variable Authenticated, the oblixWRSCAction entry should contain the following attribute:</p> <pre>obFailFixedVals:headerVar:Authenticated: true</pre>

Table 1–88 (Cont.) oblixWRSCAction Attributes

Attribute	Required	Description
obInconclusiveRedirect	No	<p>The inconclusive result is used when an authorization expression can not explicitly allow or deny a user. Prior to 6.5, this case would always return a deny result to the WebGate or AccessGate. In 6.5, the result is still denied, but the Access Server indicates that the result was inconclusive. Pre-6.5 AccessGates can use this field to determine if the result is an explicit or an implicit deny. This may be used by BEA when Oracle Access Manager is only one of several authorization engines. If the user was denied because of an inconclusive result, other authorization engines may be able to explicitly allow or deny the user.</p> <p>Starting in NetPoint7.0, the administrator can define a redirect URL as well as actions to be returned when an inconclusive result occurs.</p>
obInconclusiveProfile Attrs	No	<p>This stores inconclusive profile attributes. These work in the same way that they do for allow and deny. The only restriction on inconclusive actions is that they can be specified only for the authorization expression and not the rules that comprise the expression.</p> <p>The values for the profile attributes come from the user making the authorization request.</p>
obInconclusiveFixedVals	No	<p>This stores inconclusive fixed values. These work in the same way that they do for allow and deny. The only restriction on inconclusive actions is that they can be specified only for the authorization expression and not the rules that comprise the expression.</p> <p>Fixed values are what the administrator has specified.</p>

oblixSiteDomain

Table 1–89 lists the oblixSiteDomain class descriptions.

Table 1–89 oblixSiteDomain Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the Policy Domain objects in the Access System.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.2

Table 1–90 lists the oblixSiteDomain attributes.

Table 1–90 oblixSiteDomain Attributes

Attribute	Required	Description
obName	Yes	A unique ID generated by the Access System to identify the policy. This is the naming attribute.

Table 1–90 (Cont.) oblixSiteDomain Attributes

Attribute	Required	Description
obDescription	No	A short description of the site domain that is displayed by the Policy Manager.
obDisplayName	No	A human-readable and human-understandable name for the object. This name is displayed by the Policy Manager.
obAuthzEvalExp	No	This is the expression used for chained authorization.
obDuplicateAction	No	Stores duplicate action policies for the authorization expression.

oblixAuthenticationPolicy

Table 1–91 lists the oblixAuthenticationPolicy class descriptions.

Table 1–91 oblixAuthenticationPolicy Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the authentication rule associated with the policy domain and policy.
Class type	Structural
PossSuperiors	oblixApplication, oblixSiteDomain, oblixResourceOperationRule
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.3

Table 1–92 lists the oblixAuthenticationPolicy attributes.

Table 1–92 oblixAuthenticationPolicy Attributes

Attribute	Required	Description
obName	Yes	A unique ID generated by the Access System to identify the policy. This is the naming attribute.
obDescription	No	A short description of the authentication policy that will be displayed by the Policy Manager.
obDisplayName	No	A human-readable and human-understandable name for the object. This name will be displayed by the Policy Manager.
obSchemeID	No	This defines the challenge scheme that this Authentication Policy will use. It should be the obname of the corresponding oblixChallengeScheme.
obVer	No	The current release version.

oblixAuthenticationFlow

Table 1–93 lists the oblixAuthenticationFlow class descriptions.

Table 1–93 oblixAuthenticationFlow Class Description

Characteristic	Value
SubClassOf	Top
Description	Stores the control flow for authentication steps in a challenge scheme. Used by Access Server and Policy Manager.
Class type	Structural
PossSuperiors	OblixChallengeScheme
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.30

Table 1–94 lists the oblixAuthenticationFlow attributes.

Table 1–94 oblixAuthenticationFlow Attributes

Attribute	Required	Description
obName	Yes	
ObStartEvalWith	No	Indicates the step number to use to begin execution.
obStepFlow	No	<p>This field indicates the flow control. It contains fields in the following manner:</p> <p>Step Index:On Success Next Step Index:On Fail Next Step Index</p> <p>obStepFlow contains three values, Step Index, obSuccessNextStep and obOnFailNextStep. If the On Success Next Step Index or On Fail Next Step index is -1, it essentially means stop.</p>

oblixAuthenticationStep

Table 1–95 lists the oblixAuthenticationStep class descriptions.

Table 1–95 oblixAuthenticationStep Class Description

Characteristic	Value
SubClassOf	Top
Description	Identifies a step in a chained authentication scheme.
Class type	Structural
PossSuperiors	OblixChallengeScheme
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.31

Table 1–96 lists the oblixAuthenticationStep attributes.

Table 1–96 oblixAuthenticationStep Attributes

Attribute	Required	Description
obName	Yes	A unique ID generated by the Access System to identify the step. This is the naming attribute.
obDisplayName	No	Display Name of the authentication step.

Table 1–96 (Cont.) oblixAuthenticationStep Attributes

Attribute	Required	Description
obIndex	No	An index associated with this step. This number is auto-generated and used only for flow control.
obPluginNumber	No	This value indicates the plug-ins associated with this step. The obPluginNumber is essentially a comma-delimited value of plugin identifiers. Plug-ins are evaluated from left to right.

oblixChallengeScheme

[Table 1–97](#) lists the oblixChallengeScheme class descriptions.

Table 1–97 oblixChallengeScheme Class Description

Characteristic	Value
SubClassOf	Top
Description	Defines processing and mapping policies for an authentication scheme used by policy domains and Web resources.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.4

For example:

```
obname=20021118T1452130 , obapp=PSC , ou=Oblix , o=company , c=us
```

[Table 1–98](#) lists the oblixChallengeScheme attributes.

Table 1–98 oblixChallengeScheme Attributes

Attribute	Required	Description
obName	Yes	A unique ID generated by the Access System to identify the policy. This is the naming attribute.
obType	No	Value is always set to LDAP.
obDescription	No	A short description of the challenge scheme that is displayed by the System Console.
obDisplayName	No	A human-readable and human-understandable name for the object. This name is displayed by the System Console.
obMappingFilter	No	Not in use.
obDLLPath	No	Not in use.

Table 1–98 (Cont.) oblixChallengeScheme Attributes

Attribute	Required	Description
obChallengeMethod	No	<p>This attribute defines the challenge type for authentication. Possible values are</p> <ul style="list-style-type: none"> ■ 0x00 - indicating no credentials required ■ 0x01 - username and password required ■ 0x02 - X.509 certificate required ■ 0x04 – Form credentials required ■ 0x08 – SSL Required ■ 0x10 – External Credentials
obChallengeRedirect	No	<p>The URL to which WebGate will redirect the user's browser if necessary. Challenge method: URL</p> <p>Examples:</p> <p>Basic over HTTPS https://serverhost.domain.com https://mymachine.oblix.com</p> <p>Form (local to Web server) /URLpath/login-form /login.html</p> <p>Form (on another web server) http(s)://serverhost.domain.com/ URLpath/login-form https://mymachine.oblix.com/ login.html</p>
obLevel	No	<p>An integer value specifying the authentication level of the scheme. Larger values are more secure. If omitted, the default level is 1.</p>
obCustomLib	No	<p>A custom processing library specification, of the form:</p> <p>...plugin?priority?parameters</p> <p>In the previous syntax,</p> <ul style="list-style-type: none"> ■ plugin is the file name of the library (on the AAA Server host) or the Oracle Internal Plug-in name, for instance credential_mapping or validate_password. ■ priority is a positive integer; priority order is 1, 2, If omitted, priority is 1. ■ parameters is a list of name-value pairs. <p>There can be multiple custom processing libraries for a scheme, with execution ordered by priority. For example:</p> <p>name="value", name2="value2"</p>

Table 1–98 (Cont.) oblixChallengeScheme Attributes

Attribute	Required	Description
obChallengeParameter	No	<p>A parameter used in the authentication challenge between the Web server and the browser. The format is <i>name:value</i>. This is intended to be extensible to meet future challenge requirements.</p> <p>For Basic authentication this value must have realm: at the beginning</p> <p>Example:</p> <p>name</p> <p>Value</p> <p>Example:</p> <p>realm</p> <p>realm name used in BASIC challenge</p> <p>realm:Profile Access Site</p> <p>loginTarget</p> <p>CGI program that is the POST target of a login form:</p> <p>loginTarget:/oblix/logintest/loginHandler.cgi</p>
obSelectionFilter	No	Not in use.
obMappingBase	No	Not in use.
obCredentialPassword	No	Not in use.
obAnonUser	No	Not in use.
obVer	No	The current release version.
obEnabled	No	This value indicates if the challenge scheme can be used in the policy or policy domain.

oblixWebGateConfigInfo

[Table 1–99](#) lists the oblixWebGateConfigInfo class descriptions.

Table 1–99 oblixWebGateConfigInfo Class Description

Characteristic	Value
SubClassOf	Top
Description	This class contains all the WebGate and Access Gate parameters.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.11

[Table 1–100](#) lists the oblixWebGateConfigInfo attributes.

Table 1–100 *oblixWebGateConfigInfo Attributes*

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obHostName	No	The host name for the Web server on which the WebGate is installed.
obPort	No	The port number for the Web server on which the WebGate is installed.
obMaxAAAServerConnections	No	The maximum number of connections that can be established between the WebGate and the Access Server.
obDebug	No	This value indicates if the WebGate is running in debug mode. A value of <code>OB_TRUE</code> / <code>true</code> indicates that debug is on.
obMaxAAASessionTime	No	The session timeout between the WebGate and the Access Server if the session is idle.
obFailoverThreshold	No	The minimum number of AAA servers that must be active, otherwise failover will happen.
obSleepFor	No	An interval, in number of seconds, that a watcher thread “wakes up” and verifies that the number of connections to various servers is correct according to the defined configuration. If the number of connections is less than the configured number, WebGate tries to establish new connections and reestablish connections to the primary server. Default is every 60 seconds.
obAAAPrimaryServerID	No	This attribute indicates if this is the primary Access Server for the WebGate to communicate with. The value of this field is the <code>obName</code> attribute of the Access Server entry.
obAAASecondaryServerID	No	This attribute indicates if this is a secondary Access Server for the WebGate to communicate with. The value of this field is the <code>obName</code> attribute of the Access Server entry.
obIsEncrypted	No	The transport security mode. Can be open, simple, cert.
obMaxSessionTime	No	The single sign-on cookie maximum session timeout. The cookie will be invalid when this number is reached.
obMaxWebGateCacheElems	No	The maximum elements per cache. The cache is rotated when this number is reached.
obWebGateCacheTimeout	No	The maximum amount of time an element can be in the cache.
obTimeStamp	No	The time stamp used to determine if the WebGate configuration has been changed.
obPrimaryCookieDomain	No	The domain assigned to the cookie set.
obIdleSessionTimeout	No	The maximum time a cookie can be idle.

Table 1–100 (Cont.) oblixWebGateConfigInfo Attributes

Attribute	Required	Description
obPreferredHost	No	If set, the host will be used by WebGate regardless the host in the URL.
obAccessClientPasswd	No	The password used to connect to the access Server.
obVer	No	The current release version.
obService	No	Indicates if the Access Management service is turned on or off.
obServerTimeoutThreshold	No	The timeout threshold to determine if Oracle Access Manager is reachable. It is used in case the tcp connection lost, for example.
obSNMPEnabled	No	Specifies whether the Oracle Access Manager SNMP agent has been enabled. Can have the following values: <ul style="list-style-type: none"> 0 — SNMP support is disabled (also indicated by the absence of this attribute) 1 — SNMP support is enabled
obSNMPAgentPort	No	Holds the port number of the Oracle Access Manager SNMP agent. This is the port where the agent accepts registration requests from Oracle Access Manager components.
obCredentials	No	Stores the impersonation user name and password in encrypted format. The value is stored as <i>username:password</i> .
ObAccessComponentDescription	No	Stores the description of the WebGate. It is a cis attribute.
obPrimaryClusters	No	This attribute stores the primary clusters of a WebGate. It is a multi-valued attribute.
obBackupClusters	No	This attribute stores the backup clusters of a WebGate. It is a multi-valued attribute.
ObAccessComponentDescription	No	Stores the description of the WebGate. It is a cis attribute. Used in Oracle Access Manager 6.5.1 and higher releases.
ObCompoundData	No	Stores XML configuration data for a template object. Used in this case to store data for WebGate configuration parameters, for example, IPValidationExceptions and LogOutUrls. For more information on obCompoundData, see the discussion of the oblixConfig object class.

oblixWebResourceSearchList

Table 1–101 lists the oblixWebResourceSearchList class descriptions.

Table 1–101 oblixWebResourceSearchList Class Description

Characteristic	Value
SubClassOf	

Table 1–101 (Cont.) oblixWebResourceSearchList Class Description

Characteristic	Value
Description	Contains a list of objects that can be searched using the search functionality in the Policy Manager.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.6.1.5

Table 1–102 lists the oblixWebResourceSearchList attributes.

Table 1–102 oblixWebResourceSearchList Attributes

Attribute	Required	Description
obSearchList	No	Takes values SD; WROR. SD indicates you can search on the display name of the Policy Domain. WROR indicates you can search on the display name for Policies.

oblixWRSSearchResultColumns

Table 1–103 lists the oblixWRSSearchResultColumns class descriptions.

Table 1–103 oblixWRSSearchResultColumns Class Description

Characteristic	Value
SubClassOf	Top
Description	This is used to determine what attributes need to be displayed in the search results. The search functionality in Policy Manager allows one to search on the policy domain name and policy name.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.6

Table 1–104 lists the oblixWRSSearchResultColumns attributes.

Table 1–104 oblixWRSSearchResultColumns Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.

Table 1–104 (Cont.) oblixWRSSearchResultColumns Attributes

Attribute	Required	Description
obSearchResultColumns	No	This attribute indicates the columns to display in search results. Values for this: <ul style="list-style-type: none"> SDName — Display Name of Policy Domain WROR Name — Display Name of Policy AuthentPolicyName — Display Name of the Authentication Rule AuthorPolicyName — Display Name of the Authorization Rule URLPrefix — URL Prefix value
obVer	No	The current release version.

oblixPSCConfig

[Table 1–105](#) lists the oblixPSCConfig class descriptions.

Table 1–105 oblixPSCConfig Class Description

Characteristic	Value
SubClassOf	
Description	This is an auxiliary class. It contains top-level configuration information for the Access System. It contains the root directory for the resource and the attributes from a user's entry that need to be cached.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.6.1.7

For example:

obapp=PSC, ou=Obl ix, o=company, c=us

[Table 1–106](#) lists the oblixPSCConfig attributes.

Table 1–106 oblixPSCConfig Attributes

Attribute	Required	Description
obUserAttrsToCache	No	Contains a list of user attributes that need to be cached. For example, suppose an audit rule says to audit CN and SN, and the authentication rule action says to return CN in the header variable HTTP_CN. For both these rules, the attributes needed are CN and SN. If there are two rules referencing CN and one referencing SN, the value of obUserAttrsToCache would be cn=2:sn=1.
obUrlMatching	No	This attribute has not been used since 5.0. OblixResourceType:obResourceMatching replaces this attribute.

Table 1–106 (Cont.) oblixPSCConfig Attributes

Attribute	Required	Description
obRootDir	No	This attribute indicates your root directory. The value of this attribute often is /. This indicates all the resources to be managed by the Access System are under the root directory /..

oblixAAAEEngineConfig

Table 1–107 lists the oblixAAAEEngineConfig class descriptions.

Table 1–107 oblixAAAEEngineConfig Class Description

Characteristic	Value
SubClassOf	
Description	This is an auxillary class that contains all the parameters used by the Access Server for the Access Engine, such as the cache timeouts, audit file, and audit interval information.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.6.1.8

Table 1–108 lists the oblixAAAEEngineConfig attributes.

Table 1–108 oblixAAAEEngineConfig Attributes

Attribute	Required	Description
obAuditFileName	No	The value of this attribute indicates the audit file name to be used.
obMaxAuditFileSize	No	The value of this attribute indicates the maximum size in bytes of the audit file.
obAuditFileRotationInterval	No	Indicates how often the audit file needs to be rotated. File Rotation Interval is specified in seconds.
obAuditBufferSize	No	Indicates the audit buffer size. For example, if the buffer size is 100 bytes, when the Access server has data equal to or more than 100 bytes it writes the data to the audit file.
ObAuditFlag	No	Indicates whether Audit to File is on or off using two flags: <ul style="list-style-type: none"> ■ The first flag can have a value of either true or false, and indicates whether or not Audit to File has been turned on. ■ The second flag can have a value of either true or false, and indicates whether or not Audit to DB has been turned ON.
obMaxUserCacheElems	No	Indicates the maximum number of elements in the user cache.

Table 1–108 (Cont.) oblixAAAEngineConfig Attributes

Attribute	Required	Description
obUserCacheTimeout	No	Indicates the timeout associated with the elements in the user cache.
obMaxPolicyCacheElems	No	Indicates the maximum number of elements in the policy caches.
obPolicyCacheTimeout	No	Indicates the timeout associated with the elements in the policy caches.
obSessionTokenCache	No	Takes a value of enabled or disabled. Indicates whether or not session tokens are cached.
obMaxSessionTokenCacheElements	No	Indicates the maximum number of elements that can be present in the session token cache. Default: 10,000.
obEngineConfigRefreshPeriod	No	<p>This attribute specifies the refresh period for the following components.</p> <p>Authentication:</p> <ul style="list-style-type: none"> Maximum elements in the user cache User cache timeout Password policy reload period <p>Authorization:</p> <ul style="list-style-type: none"> URL prefix reload period Maximum elements in policy cache Policy cache timeout <p>Audit:</p> <ul style="list-style-type: none"> Audit file name Audit file size Buffer size File rotation interval <p>It will also reload the revoked user list.</p>
obURLPrefixReloadInterval	No	Indicates the time in seconds after which the URL prefixes need to be reloaded.
obPasswordPolicyReloadInterval	No	Indicates the time in seconds after which the password policies need to be reloaded.
obAuditBufferFlushInterval	No	There is an audit buffer flush interval in the code. However, there is no user interface to change it and this attribute is not used. The Access System engine uses a default of 10 seconds.

oblixAuditPolicy

[Table 1–109](#) lists the oblixAuditPolicy class descriptions.

Table 1–109 oblixAuditPolicy Class Description

Characteristic	Value
SubClassOf	Top

Table 1–109 (Cont.) oblixAuditPolicy Class Description

Characteristic	Value
Description	Contains the audit rule for the policy domains and policies.
Class type	Structural
PossSuperiors	oblixResourceOperationRule, oblixSiteDomain
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.9

For example

obname=MasterAuditPolicy, obpolicyContainerId=WebResrcDB, obcontainerId=Policies, o=company, c=us

[Table 1–110](#) lists the oblixAuditPolicy attributes.

Table 1–110 oblixAuditPolicy Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obAuditEvent	No	Indicates which events are audited. Authentication Failure, Authentication Success, Authorization Failure, Authorization Success. Values stored in the directory for each of these events are: <ul style="list-style-type: none"> Authn_Fail Authn_Success Authz_Fail Authz_Success
obAuditProfileAttrs	No	Indicates which user profile attribute needs to be audited. For example, cn, sn, and so on.
obVer	No	The current release version.

oblixMasterAuditPolicy

[Table 1–111](#) lists the oblixMasterAuditPolicy class descriptions.

Table 1–111 oblixMasterAuditPolicy Class Description

Characteristic	Value
SubClassOf	oblixAuditPolicy
Description	This is the master audit rule that is used if there is no audit rule specified at the policy domain or policy level. If there is an audit rule defined at the policy domain or policy level, the obAuditEvent attribute can be overridden, but the obAuditProfileAttrs is appended to the attribute list at the policy domain or policy level.
Class type	Structural
PossSuperiors	oblixApplication, oblixPolicyContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.10

For example

```
obname=MasterAuditPolicy,obpolicyContainerId=WebResrcDB,obcontainerId=Policies,o=company,c=us
```

[Table 1–112](#) lists the oblixMasterAuditPolicy attributes.

Table 1–112 *oblixMasterAuditPolicy Attributes*

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.

Table 1–112 (Cont.) oblixMasterAuditPolicy Attributes

Attribute	Required	Description
obAuditFields	No	<p>The order in which auditing information appears in reports. Oracle recommends the Audit Format Rule field follow this structure:</p> <pre>StaticString%DataType%StaticString%DataType%...</pre> <p>The leading static string can be empty, but the rest of the static strings, including the ending static string, should contain static text.</p> <p>For example:</p> <pre>%ob_datetime% - %ob_event% - %ob_url% - %ob_userid% :: %ob_wgid ;</pre> <p>Oracle Access Manager supports the following data types for audit records:</p> <p>ob_date — Corresponds to date only. It does not include the time of the event unless the date format is ISO.</p> <p>ob_datetime — Corresponds to date and time. The date is logged in the format specified in the master audit policy. The time is logged as hh:mm:ss. The time is always the GMT time on the web server that received the HTTP request, followed by the web server's offset from GMT.</p> <p>ob_event — String corresponding to the event that occurred. Event can be one of the following: Authentication Success, Authentication Failure, Authorization Success or Authorization Failure.</p> <p>ob_ip — IP address of the browser submitting the request.</p> <p>ob_operation — HTTP operation, such as GET, PUT, POST, or others.</p> <p>ob_serverid — Corresponds to the ID of the Access Server that is auditing this information.</p> <p>ob_time — Corresponds to the GMT time at which the event occurred on the web server. Time is always logged as hh:mm:ss+/- offset from GMT on web server.</p> <p>ob_time_no_offset — Corresponds to the GMT time on the AccessGate, but no GMT offset is logged. Time is logged as hh:mm:ss. Master Access Administrators and Delegated Access Administrators cannot change these settings.</p> <p>ob_url — Request URL.</p> <p>ob_userid — Contains the user's DN if the user was successfully authenticated. If the user was not authenticated, or in addition to the DN, it may also contain any other information the authentication module of the Access Server wanted to audit (such as password used by the anonymous user or any certificate fields). For a regular user entry that exists in the directory server and who is not logging in as "anonymous", the password is not logged to the audit log.</p> <p>ob_wgid — ID of the AccessGate that received the request.</p> <p>Field separator — The default is " - " (space/dash/space).</p> <p>Note:</p> <p>If you want to use the DBImport Tool utility, you must use a field separator.</p>

Table 1–112 (Cont.) oblixMasterAuditPolicy Attributes

Attribute	Required	Description
obDateType	No	Specifies the date format, for example, <i>dd/mm/yyyy</i> , <i>mm/dd/yyyy</i> , Integer format, ISO 8601 format, ISO 8601 generalized format, <i>yyyy/mm/dd</i> , <i>yyyy/dd/mm</i>
obDateSeparator	No	This is used but there is no user interface for it. The default is a slash (/).
obEscapeChar	No	The escape character for the logged audit. This helps log information appear correctly in reports.
obRecordSeparator	No	Used but there is no user interface for it. The default is \n.
obAuditEventMap	No	Specifies the audit event map. Examples: <ul style="list-style-type: none"> ■ AUTHN_SUCCESS:Authentication_Success; ■ AUTHN_FAIL:Authentication_Failure; ■ AUTHZ_SUCCESS:Authorization_Success; ■ AUTHZ_FAIL:Authorization_Failure;
obKeyValSeparator	No	Default to be =. There is no user interface for it.
obListItem Separator	No	This is used in the code, but there is no user interface for it. It defaults to a comma (,).
obVer	No	The current release version.

oblixApplicationAuditInfo

Table 1–112 lists the oblixApplicationAuditInfo class descriptions.

Table 1–113 oblixApplicationAuditInfo Class Description

Characteristic	Value
SubClassOf	Top
Description	This is the object class for the logging and auditing policies. The global one is stored in obName=common. The application-specific ones are stored in obName=userservcenter, obname=groupservcenter, and so on.
Class type	Structural
PossSuperiors	oblixPolicyContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.28

For example:

```
obname=common, obpolicyContainerId=WebResrcDB, obcontainerId=Policies, ou=oblix, o=company, c=us
```

```
obname=userservcenter, obpolicyContainerId=WebResrcDB, obcontainerId=Policies, ou=oblix, o=company, c=us
```

```
obname=groupservcenter, obpolicyContainerId=WebResrcDB, obcontainerId=Policies, ou=oblix, o=company, c=us
```

```
obname=objservcenter, obpolicyContainerId=WebResrcDB, obcontainerId=Policies, ou=oblix, o=company, c=us
```

obname=corpdir, obpolicyContainerId=WebResrcDB, obcontainerId=Policies, ou=oblix, o=company, c=us

Table 1–114 lists the oblixApplicationAuditInfo attributes.

Table 1–114 oblixApplicationAuditInfo Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obLogLevel	No	The application log level. Can be: <ul style="list-style-type: none"> 0 - Debug 1 - Info 2 - Warning 3 - Error 4 - Not logging
ObProfileAttrs	No	The attributes to be logged by default.
ObAppEventInfo	No	The event specific setting. This list varies for each application. <ul style="list-style-type: none"> Login:ON:3:UID: - Login is on. Enable. For both success and failure. Logout:ON:3:UID: Licence:ON:3:UID: PasswordManagement:ON:3:UID
obVer	No	The current release version.

oblixAAAServerConfigInfo

Table 1–115 lists the oblixAAAServerConfigInfo class descriptions.

Table 1–115 oblixAAAServerConfigInfo Class Description

Characteristic	Value
SubClassOf	Top
Description	
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.12

Table 1–116 lists the oblixAAAServerConfigInfo attributes.

Table 1–116 oblixAAAServerConfigInfo Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obHostName	Yes	The host name for the Access Server.
obPort	Yes	The port number of the Access Server.

Table 1–116 (Cont.) oblixAAAServerConfigInfo Attributes

Attribute	Required	Description
obDebug	No	Attribute to turn on Access Server debugging.
obDebugFileName	No	Indicates the debug file name.
obThreads	No	The number of threads configured for the Access Server.
obIsEncrypted	No	This attribute defines the transport security mode.
obMaxAAASessionTime	No	This attribute is not used, although it is stored in the directory when a new Access Server entry is created.
obVer	No	The current release version.
ObService	No	Indicates if the Access Management service is turned on or off.
obSNMPEnabled	No	Specifies whether the Oracle Access Manager SNMP agent has been enabled. Can have the following values: <ul style="list-style-type: none"> 0 — SNMP support is disabled (also indicated by the absence of this attribute) 1 — SNMP support is enabled
obSNMPAgentPort	No	Holds the port number of the Oracle Access Manager SNMP agent. This is the port where the agent accepts registration requests from Oracle Access Manager components.

oblixWRSCAdminCommon

[Table 1–117](#) lists the oblixWRSCAdminCommon class descriptions.

Table 1–117 oblixWRSCAdminCommon Class Description

Characteristic	Value
SubClassOf	Top
Description	This class contains which HTTP operations are supported.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	CN
OID	1.3.6.1.4.1.3831.6.1.13

For example:

cn=WRSC Admin Common Object, obapp=PSC, ou=Oblix, o=company, c=us

[Table 1–118](#) lists the oblixWRSCAdminCommon attributes.

Table 1–118 oblixWRSCAdminCommon Attributes

Attribute	Required	Description
cn	Yes	Naming attribute. Its value is WRSC Admin Common Object.

Table 1–118 (Cont.) oblixWRSCAdminCommon Attributes

Attribute	Required	Description
obHTTPOperations	No	Indicates the HTTP operations on which policies can be set. Values are: <ul style="list-style-type: none"> ■ Get ■ Post ■ Put ■ Head
obMoreHTTPOperations	No	Indicates more HTTP operations on which policies can be set. Values are: <ul style="list-style-type: none"> ■ Delete ■ Trace ■ Options ■ Connect ■ Other
obSharedSecret	No	This attribute is modified when a new shared secret is generated.
obSecretreCycleTime	No	Not in use.
obSecretSize	No	Not in use.
obTimeStamp	No	Not in use.
obVer	No	The current release version.

oblixHostID

Table 1–119 lists the oblixHostID class descriptions.

Table 1–119 oblixHostID Class Description

Characteristic	Value
SubClassOf	Top
Description	This class represents all the host and port variations for a given host. For example, company.com can be addressed as company.com:80, or company.net:80. This class contains the list of all possible identifiers.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.14

For example:

obname=20021203T1637456801, obapp=PSC, ou=Oblix, o=company, c=us

Table 1–120 lists the oblixHostID attributes.

Table 1–120 oblixHostID Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obDescription	No	The description for this object.
obDisplayName	No	A human-readable and human-understandable name for the object.
obHostNamePort	No	Host name and port combinations. All possible identifiers for the host.
obVer	No	The current release version.

oblixGSN

[Table 1–121](#) lists the oblixGSN class descriptions.

Table 1–121 oblixGSN Class Description

Characteristic	Value
SubClassOf	Top
Description	This class is used in the cache flushing mechanism. It contains a global sequence number which represents the flush request number. The GSN gets incremented by every cache flush request.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obSeqNo
OID	1.3.6.1.4.1.3831.6.1.15

For example:

obSeqNo=15 , obapp=PSC , ou=Oblix , o=company , c=us

[Table 1–122](#) lists the oblixGSN attributes.

Table 1–122 oblixGSN Attributes

Attribute	Required	Description
obSeqNo	Yes	This is the global sequence number used in the cache flushing mechanism. This entry is updated every time an entry is written to the directory with the update cache feature turned on.
obVer	No	The current release version.

oblixSynchRecord

[Table 1–123](#) lists the oblixSynchRecord class descriptions.

Table 1–123 oblixSynchRecord Class Description

Characteristic	Value
SubClassOf	Top

Table 1–123 (Cont.) oblixSynchRecord Class Description

Characteristic	Value
Description	This object is written to the directory for every cache flush request. This object describes what component has been flushed and what policy domain or policy it belongs to.
Class type	Structural
PossSuperiors	oblixMgmtNode
Naming attribute	obSyncRequestNo
OID	1.3.6.1.4.1.3831.6.1.16

For example:

obSynchRequestNo=15 , cn=PSCMgmt , obapp=PSC , ou=Oblis ,
o=company , c=us

[Table 1–124](#) lists the oblixSynchRecord attributes.

Table 1–124 oblixSynchRecord Attributes

Attribute	Required	Description
obSyncRequestNo	Yes	A number starting from 1. The new sync request will have a value of <max obSyncRequestNo in the DS> + 1.
obCompID	No	Unique ID of the component to be flushed. The value changes depend on the flush type. If a URL is being flushed, this contains the <i>resourcetype_no:URL</i> .
obCompsdID	No	Unique ID of the component to be flushed. This is the policy domain ID of the component to be flushed.
obCompWrorID	No	Unique ID of the component to be flushed. This is the policy ID of the component to be flushed.
obSyncRequestType	No	0 is URL prefix, 1 is SD, 2 is policy, 3 is authentication scheme, 4 is default authentication rule, 5 is authentication rule, 6 is default authz rule, 7 is policy authz rule, 8 is default audit rule, 9 is policy audit rule, 10 is user, 11 is host identifier, 12 is password policy, 13 is password policy redirect URL, 14 is unknown, 15 is authz scheme, 16 is all password policies

Table 1–124 (Cont.) oblixSynchRecord Attributes

Attribute	Required	Description
obSyncChangeType	No	0 indicates an add, 1 is modify, 2 is delete.
obSyncTime	No	The sync record creation time.
obVer	No	The current release version.

oblixMgmtNode

[Table 1–125](#) lists the oblixMgmtNode class descriptions.

Table 1–125 oblixMgmtNode Class Description

Characteristic	Value
SubClassOf	Top
Description	This is the container node for all the syn records. All oblixSynchRecord objects are stored under this node.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obSyncRequestNo
OID	1.3.6.1.4.1.3831.6.1.17

For example:

cn=PSCMgmt , obapp=PSC , ou=Obl ix , o=company , c=us

[Table 1–126](#) lists the oblixMgmtNode attributes.

Table 1–126 oblixMgmtNode Attributes

Attribute	Required	Description
cn	Yes	The name of this object. It is used as the naming attribute.
obVer	No	The current release version.

oblixAAAServerIDNode

[Table 1–127](#) lists the oblixAAAServerIDNode class descriptions.

Table 1–127 oblixAAAServerIDNode Class Description

Characteristic	Value
SubClassOf	Top
Description	The ObName attribute value for this entry is used on the WebGate entry to identify which Access Server the WebGate should communicate with. ObAAAPrimaryServerID and obAAASecondaryServerID attributes in the WebGate entry contains the obName of oblixAAAServerIDNode.
Class type	Structural
PossSuperiors	oblixApplication
Naming attribute	obName

Table 1–127 (Cont.) oblixAAAServerIDNode Class Description

Characteristic	Value
OID	1.3.6.1.4.1.3831.6.1.18

For example:

obname=20021118T1510350, obapp=PSC, ou=Obl ix, o=company, c=us

[Table 1–128](#) lists the oblixAAAServerIDNode attributes.

Table 1–128 oblixAAAServerIDNode Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obServerID	Yes	Contains the DN of the Access Server.
obMaxAAAServerConnections	No	Indicates the maximum number of connections from the WebGate to Access Server.
obVer	No	The current release version.

oblixWebPassConfigInfo

[Table 1–129](#) lists the oblixWebPassConfigInfo class descriptions.

Table 1–129 oblixWebPassConfigInfo Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the WebPass configuration information.
Class type	Structural
PossSuperiors	oblixPolicyContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.19

For example:

Obname=WebPassdefault, obpolicyContainerId=WebResrcDB,
obcontainerId=Policies, ou=oblix, o=company, c=us

[Table 1–130](#) lists the oblixWebPassConfigInfo attributes.

Table 1–130 oblixWebPassConfigInfo Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obHostName	No	The host name for the Web server on which the WebPass is installed.
obPort	No	The port number for the Web server on which the WebPass is installed.

Table 1–130 (Cont.) oblixWebPassConfigInfo Attributes

Attribute	Required	Description
obMaxOISServerConnections	No	This indicates the maximum number of connections that can be established between the WebPass and Identity Server.
obDebug	No	This value indicates if the WebPass is running in the debug mode or not. Value of OB_TRUE/true indicates debug is on.
obMaxOISSessionTime	No	The session time out between WebPass and Identity Server if the session is idle.
obFailoverThreshold	No	Minimum number of valid connections to primary servers that must be maintained before a connection to the secondary server is tried.
obSleepFor	No	An interval, in number of seconds, that a watcher thread “wakes up” and verifies that the number of connections to various servers is correct according to the defined configuration. If the number of connections is less than the configured number, WebPass tries to establish new connections and reestablish connections to the primary Identity Server or the Identity Server tries to establish connections with the directory.
obOISPrimaryServerID	No	This attribute indicates which Identity Server is the primary server for the WebPass to communicate with. The value of this field is the obname attribute of the Identity Server entry.
obOISSecondaryServerID	No	This attribute indicates which Identity Server is the secondary server for the WebPass to communicate with. The value of this field is the obname attribute of the Identity Server entry.
obIsEncrypted	No	The transport security mode. Can be open, simple, cert.
obMaxSessionTime	No	Not in use.
obMaxWebPassCacheElems	No	Not in use.
obWebPassCacheTimeout	No	Not in use.
obPrimaryCookieDomain	No	Not in use.
obIdleSessionTimeout	No	Not in use.
obTimeStamp	No	The time stamp. It is used to determine if the WebPass configuration has been changed.
obPreferredHost	No	Not in use.
obVer	No	The current release version.
obServerTimeoutThreshold	No	The timeout threshold to determine if Oracle Access Manager is reachable. It is used in case of tcp connection lost for example.
obSNMPEnabled	No	Specifies whether the Oracle Access Manager SNMP agent has been enabled. Can have the following values: <ul style="list-style-type: none"> 0 — SNMP support is disabled (also indicated by the absence of this attribute) 1 — SNMP support is enabled

Table 1–130 (Cont.) oblixWebPassConfigInfo Attributes

Attribute	Required	Description
obSNMPAgentPort	No	Holds the port number of the Oracle Access Manager SNMP agent. This is the port where the agent accepts registration requests from Oracle Access Manager components.

oblixOISServerConfigInfo

[Table 1–131](#) lists the oblixOISServerConfigInfo class descriptions.

Table 1–131 oblixOISServerConfigInfo Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class defines the Identity Server configuration information.
Class type	Structural
PossSuperiors	oblixPolicyContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.20

For example:

```
Obname=ois, obpolicyContainerId=WebResrcDB,
obcontainerId=Policies, ou=oblix, o=company, c=us
```

[Table 1–132](#) lists the oblixOISServerConfigInfo attributes.

Table 1–132 oblixOISServerConfigInfo Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obHostName	No	The host name for the Identity Server.
obPort	No	The port number for the Identity Server.
obDebug	No	Attribute to turn on Identity Server debugging.
obDebugFileName	No	The debug file name and location.
obThreads	No	The number of threads configured between WebPass and Identity Server.
obIsEncrypted	No	The mode between WebPass and Identity server. The transport security mode. Can be open, simple, cert.
obMaxOISSessionTime	No	The session timeout between WebPass and Identity Server if the session is idle.
obAuditFileName	No	The audit file name and location.
obAuditBufferSize	No	The buffer size set for the audit file.
obAuditMaxFileSize	No	The maximim size for the audit file.
obAuditFileRotationInterval	No	The time interval for rotating the audit file. Will rotate file when this time interval has elapsed.

Table 1–132 (Cont.) oblixOISServerConfigInfo Attributes

Attribute	Required	Description
obAuditFileFlushInterval	No	The time interval to flush the audit file. Will flush the cache when this time interval has elapsed.
obAuditFlag	No	The flag indicating whether auditing is on.
obDateType	No	The date type. Can be: <ul style="list-style-type: none"> ■ <i>dddd</i> ■ <i>mm/dd/yyyy</i> ■ <i>dd/mm/yyyy</i> ■ <i>yyyy-mm-ddThh:mm:ssTZD</i> ■ <i>yyyymmddhhmmss.0TZD</i>
obDateSeparator	No	The separator used as delimiter in the corresponding date type.
obLogFileName	No	The log file name and location.
obLogFileMaxSize	No	The maximum size for the log file. When this size is reached, the file is rotated.
obScopeFileName	No	The scope file name and location.
obFileRotateInterval	No	The time interval to rotate the scope file. Will rotate file when time interval reached.
obAuditFields	No	
obEscapeChar	No	Character used as escape character.
obLogFileRotationInterval	No	The time interval to rotate the log file. Will rotate file when time interval reached.
obLogCacheFlushInterval	No	The time interval to flush the log file. Will flush the cache when time interval reached.
obLogCacheMaxSize	No	The maximum cache size for the log information. Will write to the cache when maximum size reached.
obVer	No	The current release version.
obSNMPEnabled	No	Specifies whether the Oracle Access Manager SNMP agent has been enabled. Can have the following values: <ul style="list-style-type: none"> ■ 0 — SNMP support is disabled (also indicated by the absence of this attribute) ■ 1 — SNMP support is enabled
obSNMPAgentPort	No	Holds the port number of the Oracle Access Manager SNMP agent. This is the port where the agent accepts registration requests from Oracle Access Manager components.
obCompoundData	No	Stores XML configuration data for a template object. For more information on obCompoundData, see the discussion of the oblixConfig object class.

oblixOISServerIDNode

Table 1–133 lists the oblixOISServerIDNode class descriptions.

Table 1–133 oblixOISServerIDNode Class Description

Characteristic	Value
SubClassOf	Top
Description	This object class contains information for WebPass to use to find the Identity Server configuration information.
Class type	Structural
PossSuperiors	oblixPolicyContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.21

For example

obname=20021119535T5353, obcontainerId=WebRescDB,
obcontainerId=Policies, ou=oblix, o=company, c=us

[Table 1–134](#) lists the oblixOISServerIDNode attributes.

Table 1–134 oblixOISServerIDNode Attributes

Attribute	Required	Description
obName	Yes	The generated ID for this object. It is used as the naming attribute.
obServerid	No	The DN of the instance of oblixOISServerConfigInfo (Identity configuration info).
obMaxOISServerConnections	No	The maximum connections to the Identity server.
obVer	No	The current release version.

oblixAuthzPluginScheme

[Table 1–135](#) lists the oblixAuthzPluginScheme class descriptions.

Table 1–135 oblixAuthzPluginScheme Class Description

Characteristic	Value
SubClassOf	Top
Description	This object contains the basic information about the authorization plug-in.
Class type	Structural
PossSuperiors	oblixPolicyContainer
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.22

For example:

obname=20021203T1636035870, obapp=PSC, o=Oblis, o=company, c=us

obname=20021119535T5353, obcontainerId=WebRescDB,
obcontainerId=Policies, ou=oblix, o=company, c=us

[Table 1–136](#) lists the oblixAuthzPluginScheme attributes.

Table 1–136 oblixAuthzPluginScheme Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obDisplayName	No	A human-readable and human-understandable name for the object.
obDescription	No	The description for this object.
obCustomLib	No	Path of the plug-in dll or shared library. Depending on the platform, the Access Server will append .dll or .so to this path. This path can be absolute. If not, Access Server will prepend <code>Access_Server_install_dir/oblix/lib</code> to it.
obRequiredParams	No	A multi-valued attribute. Values will be stored as <code>name:value</code> . If the Master Access Administrator did not specify any values, only the name will be stored as <code>name:.</code>
obOptionalParams	No	A multi-valued attribute. Values will be stored as <code>name:value</code> . If the Master Access Administrator did not specify any values, only the name will be stored as <code>name:.</code>
obUserProfileAttrs	No	A multi-valued attribute containing information about user's profile information to be passed to the plug-in. The DN will be represented by <code>name:obuniqueid</code> .
obRequestContextParams	No	Not in use.
obVer	No	The current release version.
obMgdCodeUsed	No	Used for managed authorization plug-in code. If you write an authorization plugin in managed code and specify in the UI that it is managed code, this attribute stores the result.
obMgdNameSpace	No	Used for managed authorization plug-in code. If you write an authorization plugin in managed code and specify in the UI that it is managed code, this attribute stores the name space.

oblixCustomAuthzCondition

Table 1–137 lists the oblixCustomAuthzCondition class descriptions.

Table 1–137 oblixCustomAuthzCondition Class Description

Characteristic	Value
SubClassOf	Top
Description	This class represents the custom authorization rules. The custom authorization rules are stored as custom conditions under the oblixpolicyrule and contain the authorization plugin scheme id to which this rule maps.
Class type	Structural
PossSuperiors	oblixPolicyRule
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.23

Table 1–138 lists the oblixCustomAuthzCondition attributes.

Table 1–138 oblixCustomAuthzCondition Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obDisplayName	No	A human-readable and human-understandable name for the object.
obDescription	No	The description for this object.
obpolicyConditionOrder	No	
obPolicyConditionUsage	No	Specifies if the plug-in is configured as an authorization plug-in or post authorization plug-in.
obSchemeID	No	ID of the authorization plug-in scheme this condition uses.
obRequiredParams	No	A multi-valued attribute. Values will be stored as <i>name:value*</i> . Condition level required parameters are required parameters for which no value is specified in the authorization scheme. A delegated administrator: must provide values for all these parameters, and cannot add or delete any required parameter.
obOptionalParams	No	A multi-valued attribute. Values are stored as <i>name:value*</i> . Condition level optional parameters are optional parameters for which no value is specified in the authorization scheme and a delegated administrator can provide a value. If a delegated administrator does not specify a value for an optional parameter, it will not be stored at the condition level. A delegated administrator need not provide values for all these parameters, and cannot add or delete any optional parameter.
obAdditionalParams	No	A multi-valued attribute. Values will be stored as <i>name:value*</i> . These parameters are not configured in the authorization scheme but represent additional parameters a delegated administrator may choose to pass to the plug-in for a given resource.
obVer	No	The current release version.

oblixResourceType

Table 1–139 lists the oblixResourceType class descriptions.

Table 1–139 oblixResourceType Class Description

Characteristic	Value
SubClassOf	Top
Description	This class allows administrators to define various resources types. Examples of resource types are HTTP, EJB, and so on. This class also contains the operations that are allowed on the resource type.
Class type	Structural
PossSuperiors	oblixContainer

Table 1–139 (Cont.) oblixResourceType Class Description

Characteristic	Value
Naming attribute	obName
OID	1.3.6.1.4.1.3831.6.1.24

For example:

```
obname=0, obContainerID=URI Resources, obapp=PSC, ou=Oblix,
o=company, c=us
```

[Table 1–140](#) lists the oblixResourceType attributes.

Table 1–140 oblixResourceType Attributes

Attribute	Required	Description
obName	Yes	The name of this object. It is used as the naming attribute.
obSchemeName	No	Unique name for the new resource type.
obResourceType	No	This attribute indicates the type of resource, for example, 0 is HTTP, 1 is EJB, and so on.
obDisplayName	No	A human-readable and human-understandable name for the object.
obResourceMatching	No	Indicates whether to perform case sensitive or case insensitive matching.
obResourceOperation	No	<p>Specify the available resource operation(s). Click the + and - signs to add or delete fields as necessary.</p> <p>Valid resource operations for HTTP resources are:</p> <ul style="list-style-type: none"> ■ CONNECT—Handshakes with a URL. ■ DELETE—Deletes information from the URL, or deletes the URL itself. ■ GET—Retrieves information from the URL. ■ HEAD—Obtains information about the resource without making changes to the URL. ■ OPTIONS—Obtains information about HTTP methods available to and from the URL. ■ OTHER—Non-standard, custom operation. ■ POST—Copies information to the URL. ■ PUT—Replaces a file or document in the URL. ■ TRACE—Views information about what the URL is receiving. <p>Note: For HTTP resource types, you can specify a custom operation; however, Oracle Access Manager interprets it as an OTHER operation.</p>
obVer	No	The current release version.

oblixEncryptionKey

[Table 1–141](#) lists the oblixEncryptionKey class descriptions.

Table 1–141 oblixEncryptionKey Class Description

Characteristic	Value
SubClassOf	Top
Description	
Class type	Structural
PossSuperiors	oblixConfig, oblixContainer
Naming attribute	cn
OID	1.3.6.1.4.1.3831.6.1.24

For example

cn=cookieEncryptionKey, obContainerId=encryptionKey, ou=Oblix,
o=company, c=us

cn=cpResponseEncryptionKey, obContainerId=encryptionKey, ou=Oblix,
o=company, c=us

[Table 1–142](#) lists the oblixEncryptionKey attributes.

Table 1–142 oblixEncryptionKey Attributes

Attribute	Required	Description
cn	Yes	The name of the encryption key.
obSharedSecret	No	This is the key that is used to encrypt the obSSOCookie as well as any other encrypted cookies.
obSecretSize	No	The number of bytes that comprise the shared secret. Currently always set to 32.
obTimeStamp	No	The date and time when the shared secret was last changed, or 0 if it was never changed.
obCipher	No	The cipher (RC4 or RC6) used by WebGate to encrypt Oracle cookies and by Oracle Access Manager for a challenge response or password in a workflow. For a cookie, RC4 is the default. For challenge response or a password, RC6 is the default.
obVer	No	The current release version.

oblixReportStatus

[Table 1–143](#) lists the oblixReportStatus class descriptions.

Table 1–143 oblixReportStatus Class Description

Characteristic	Value
SubClassOf	Top
Description	Holds information for reports generated by the Access System.
Class type	Structural
PossSuperiors	oblixConfig, oblixContainer
Naming attribute	obName

Table 1–143 (Cont.) oblixReportStatus Class Description

Characteristic	Value
OID	

Table 1–144 lists the oblixReportStatus attributes.

Table 1–144 oblixReportStatus Attributes

Attribute	Required	Description
obDisplayName	Yes	A human-readable and human-understandable name for the object.
obName	No	The name of this object. It is used as the naming attribute.
obTimeStamp	No	1 if the date and time when the shared secret was last changed, or 0 if it was never changed.
obServerID	No	The DN of the instance of oblixOISServerConfigInfo (Identity configuration info).
obReportType	No	There is currently one type of static report that can be generated from the Access System. These are reports that users generate from the Access System Console. Another type of report is dynamic, that is, the data is generated from auditing functionality. The obReportType stores the report type for a static report. The default report type is User Access Privilege Report, with a value of obReportType=1.
obReportStatus	No	Stores a report status, which may be SUCCESS, FAILED, or PROCESSING.
obReportMinorStatus	No	This field contains additional status information, such as data store error.
obReportInput	No	A series of name-value pairs representing report input data.
obPercentage	No	A status indicator for the percentage of the report that has been completed.

obESSJCMMapping

Table 1–145 lists the obESSJCMMapping class descriptions.

Table 1–145 obESSJCMMapping Class Description

Characteristic	Value
SubClassOf	Top
Description	This is the object class that stores Control-SA ESS Job Code information.
Class type	Structural
PossSuperiors	oblixConfig, oblixContainer
Naming attribute	obESSjcname
OID	1.3.6.1.4.1.3831.9.1.1

For example:

ObESSjcname = sales, o=Oblix, o=Company, c=US

Table 1–146 lists the obESSJCM mapping attributes.

Table 1–146 obESSJCM Mapping Attributes

Attribute	Required	Description
obESSjcName	Yes	The is the key value of this object class.
obESSJobCode	No	This is the job code value.
obESSApprovalFlag	No	This indicates whether approval is required.
obESSViewableDomains	No	This indicates whether the job code is viewable.
obESSEmailFlag	No	This indicates whether email processing is needed or not for the job code value.
obESSUserGroup	No	The user group associated with the job code.
obESSUGJC	No	This stores the tuple information of (usergroup, job code).

oblixAuxBMCPersonInfo

Table 1–147 lists the oblixAuxBMCPersonInfo class descriptions.

Table 1–147 oblixAuxBMCPersonInfo Class Description

Characteristic	Value
SubClassOf	
Description	This is the auxiliary class that stores additional information for BMC Control-SA ESS Enterprise User.
Class type	Auxiliary
PossSuperiors	
Naming attribute	
OID	1.3.6.1.4.1.3831.9.1.2

Table 1–148 lists the oblixAuxBMCPersonInfo attributes.

Table 1–148 oblixAuxBMCPersonInfo Attributes

Attribute	Required	Description
obBMJobCode	No	The job code values associated with this user.
obBMEnterpriseID	No	The unique Enterprise ID used by the ESS server.
obBMCMachineName	No	The machine name values associated with the user.
obBMCMachineType	No	The machine type values associated with the user.
obBMUserGroup	No	The user group values associated with the user.
obBMUGRelation	No	The user group and machine information relationship associated with the user.
obBMCRSSUserName	No	The RSS user names associated with the user.

obESSLockingInfo

Table 1–149 lists the obESSLockingInfo class descriptions.

Table 1–149 obESSLockingInfo Class Description

Characteristic	Value
SubClassOf	Top
Description	The object class used to store state information for Oracle Access ManagerProvisioning Module and Bridge.
Class type	Structural
PossSuperiors	oblixConfig, oblixContainer
Naming attribute	obStatusName
OID	1.3.6.1.4.1.3831.9.1.3

For example

ObStatusName=200292847471781, obcontainerId=ESSProv, o=Oblix, o=Company, c=US

[Table 1–150](#) lists the obESSLockingInfo attributes.

Table 1–150 obESSLockingInfo Attributes

Attribute	Required	Description
obStatusName	Yes	The key value for this object class.
obWhichOIS	No	Which server (by ID) is processing this entry of obESSLockingInfo.
obLockStatus	No	The status of the ESS Lock.
obESSTimeStamp	No	The time this entry is being processed.
obESSSuccessURL	No	The URL to be sent back to the workflow engine when ESS backend process is successful.
obESSFailURL	No	The URL to be sent back to the workflow engine when ESS backend process fails.
obESSExternalID	No	The unique transactions ESS external ID associated with this ESSLockingInfo entry.

