

Entity and Attribute Definitions Report

Run by: PNORONHA
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Total Pages: 62
Total Entities: 56

Parameters

<i>Application:</i>	WEBADE_ADAM
<i>Entities:</i>	%
<i>ER Diagram:</i>	%
<i>Include Entity Notes?</i>	Y
<i>Include Attribute Descriptions?</i>	Y
<i>Include Attribute Notes?</i>	Y
<i>Include Attribute Values?</i>	Y
<i>Include Table of Contents?</i>	N
<i>Include Index of Entities?</i>	Y

Short Name: ACT

Init. Volume: *Avg. Volume:* *Max. Volume:* *Annual Growth Rate:*

List of tasks that can be performed while using an application.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
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Name of the application action. Actions Names should include a verb and a subject. IE UpdateEmployeeRecord

An action that is identified to require more authority within WebADE than normally granted.

Each Occurrence Of This Entity:

* = Relationships in primary unique identifier.

MUST BE action in one and only one APPLICATION

Entity Name:	ACTION LNK			<i>Short Name:</i>	AL
<i>Plural:</i>	ACTION LNK				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>		

Description:
Resolves many to many between ACTION and APPLICATION_ROLE.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:

- * MUST BE resolves to one and only one ACTION
- * MUST BE resolves to one and only one APPLICATION_ROLE
- * = Relationships in primary unique identifier.

Unique Identifiers:

ACTLNK	Primary	Y
MUST BE resolves to one and only one ACTION		
MUST BE resolves to one and only one APPLICATION_ROLE		

Entity Name: APPLICATION			Short Name:	APP
Plural:	APPLICATION			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

A grouping of business functions pulled together for a computerized implementation (i.e. system).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPLICATION ACRONYM		N	VARCHAR2	30
The commonly used acronym associated with the application or system.				
APPLICATION NAME		N	VARCHAR2	120
The expanded name associated with the application or system.				
APPLICATION DESCRIPTION		N	VARCHAR2	2000
A general description of the application, including why it was				
APPLICATION OBJECT PREFIX		Y	VARCHAR2	3
A three character prefix used to manage (group) application objects as a package. This is mainly used to manage objects within the database such as database triggers. It is not normally used to prefix data tables as data does not normally				
ENABLED IND		N	VARCHAR2	1
This flag is used to enable and disable an application. This can be used to allow an application to be shut down for migrations, maintenance or emergencies.				
DISTRIBUTE TYPE CD		Y	VARCHAR2	10
Denotes the type of distribution this application is subject to. E.g. OPN - Open Access. This will be used to determine or restrict where application information is available.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE performs one or more ACTION

MAY BE administered by one or more APPLICATION ADMINISTRATOR

MAY BE has access described by one or more APPLICATION ROLE

MAY BE has default client locations in one or more CLIENT LOCATION DEFAULT

MUST BE is managed by one and only one CUSTODIAN

MAY BE is application for one or more DEFAULT ORGANIZATION LINK

MAY BE is application for one or more MS_DISTRIBUTION_LIST

MAY BE is application for one or more MS_EVENT

MAY BE subject of one or more PREFERENCE

MAY BE is application for one and only one REPORT_APPLICATION_CONFIG

* = Relationships in primary unique identifier.

Unique Identifiers:

APP	Primary	Y
APPLICATION ACRONYM		

Entity Name: APPLICATION ADMIN AUDIT**Short Name:** APP ADM AU**Plural:** APPLICATION ADMIN AUDIT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Each application administrator that is granted/revoked/modified has an audit record created to provide a history of changes.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPLICATION ADMIN AUDIT ID		N	NUMBER	10
Unique number to identify an application administrator audit record.				
REASON		Y	VARCHAR2	500
Short description that details the reason the change was made.				
PRIMARY IND		N	VARCHAR2	1
Stores the value of the PRIMARY IND field in the APPLICATION ADMINISTRATOR entity as part of the audit transaction.				
ENABLED IND		N	VARCHAR2	1
Stores the value of the ENABLED IND field in the APPLICATION ADMINISTRATOR entity as part of the audit transaction.				
EFFECTIVE DATE		N	DATE	
Stores the value of the EFFECTIVE DATE field in the APPLICATION ADMINISTRATOR entity as part of the audit transaction.				
EXPIRY DATE		N	DATE	
Stores the value of the EXPIRY DATE field in the APPLICATION ADMINISTRATOR entity as part of the audit transaction.				
CREATED BY		N	VARCHAR2	64
The user that created the record.				
CREATED DATE		N	DATE	
Date the record was created				
CREATED BY GUID		N	VARCHAR2	32
The Globally Unique ID (GUID) of the user that created this audit record.				
<i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>				
GRANTED BY		N	VARCHAR2	64
The user id of the user that originally granted this record.				
<i>The Granted By fields were added because who the record was Granted By will now change when the master record goes from Deleted back to Created. The master records are never deleted but they may be "recreated" once they have been deleted. This will document who the current Grantor is when this audit record was created.</i>				
GRANTED BY GUID		N	VARCHAR2	32
The Globally Unique ID (GUID) of the user that is the current grantor of the parent record for which this audit exists.				
<i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MUST BE is audit for one and only one APPLICATION ADMINISTRATOR

MUST BE has type one and only one AUDIT ACTION TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

Entity Name: APPLICATION ADMIN AUDIT (cont'd)

Short Name: APP ADM AU

APP ADM AU

Primary Y

APPLICATION ADMIN AUDIT ID

Entity Name: APPLICATION ADMINISTRATOR			Short Name: APPADMIN
Plural: APPLICATION ADMINISTRATOR			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Application custodians assign individuals as administrators of an application.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
PRIMARY IND		N	VARCHAR2	1
ENABLED IND		N	VARCHAR2	1
Indicates whether or not the Administrator rights are enabled.				
'Y' indicates privileges are enabled				
'N' indicates privileges are not enabled.				
DELETED IND		N	VARCHAR2	1
Indicates whether the record has been deleted and should no longer be considered valid.				
The record is not physically deleted for auditing purposes. Valid values are 'Y' and 'N'.				
EFFECTIVE DATE		N	DATE	
The Effective Date the administrator can start their duties.				
EXPIRY DATE		N	DATE	
The expiry date that the administrators duties end.				
Set date to Dec 31, 9999 to indicate record never expires.				
REVISION COUNT		N	NUMBER	10
Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- * MUST BE administrator for one and only one APPLICATION
MUST BE has audit one or more APPLICATION ADMIN AUDIT
- * MUST BE assigned to one and only one EUSER
MUST BE granted by one and only one EUSER
- * = Relationships in primary unique identifier.

Unique Identifiers:

ADAM APP ADMIN PK	Primary	Y
MUST BE administrator for one and only one APPLICATION		
MUST BE assigned to one and only one EUSER		

Entity Name: APPLICATION ROLE			Short Name:	AR
Plural:	APPLICATION ROLE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
Describes what a Role can do in a specific application.

Attributes:				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROLE NAME		N	VARCHAR2	50
The name given to a role within a specific application.				
ROLE DEFINITION		Y	VARCHAR2	255
Defines in detail what the role within an application is authorized to do.				
ORACLE ROLE		Y	VARCHAR2	30
The ORACLE role associated with the application role.				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MAY BE defines access for one or more ACTION LNK
* MUST BE describes access for one and only one APPLICATION
MAY BE accessed by one or more NT GROUP
MAY BE role for one or more PROFILE ROLE LINK
MAY BE granted db access one and only one PROXY CONTROL
* = Relationships in primary unique identifier.

Unique Identifiers:
PK Primary Y
ROLE NAME
MUST BE describes access for one and only one APPLICATION

Entity Name: AUDIT ACTION TYPE CODE			<i>Short Name:</i> AU ACT TYP		
<i>Plural:</i> AUDIT ACTION TYPE CODE					
<i>Init. Volume:</i>		<i>Avg. Volume:</i>		<i>Max. Volume:</i>	
<i>Annual Growth Rate:</i>					

Description:

List of valid audit actions; Add, Update, Delete.
IE
Authorizations to an application may be added for a user, updated for a user, or deleted for a user.

Subset of the ACTION CODE code values in IDD:
ADD Add
DEL Delete
UPD Update

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* AUDIT ACTION TYPE CODE		N	VARCHAR2	3
Unique code for Audit Action Type Code.				
Add				
Update				
Delete				
DESCRIPTION		N	VARCHAR2	120
Description of audit action type code				
EFFECTIVE DATE		N	DATE	
Date the code becomes effective				
EXPIRY DATE		N	DATE	
Date the code expires.				
UPDATE TIMESTAMP		N	DATE	
Date the code was updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE is type for one or more APPLICATION ADMIN AUDIT
MAY BE is type for one or more AUTHORIZATION GRANTOR AUDIT
MAY BE is type for one or more AUTHORIZATION PROFILE AUDIT
MAY BE is type for one or more EAUTHORIZATION AUDIT
* = Relationships in primary unique identifier.

Unique Identifiers:

AU ACT TYP	Primary	Y
AUDIT ACTION TYPE CODE		

Entity Name: AUTH PROFILE USR LINK			Short Name: PRFUSRLNK		
Plural: AUTH PROFILE USR LINK					
Init. Volume:		Avg. Volume:		Max. Volume:	
Annual Growth Rate:					

Description:

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE grantable to one and only one AUTHORIZATION PROFILE
- * MUST BE grantable for one and only one USER TYPE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

PRFUSRLNK	Primary	Y
MUST BE grantable to one and only one AUTHORIZATION PROFILE		
MUST BE grantable for one and only one USER TYPE CODE		

Entity Name: AUTHORIZATION GRANTOR**Short Name:** AUTHGRNT**Plural:** AUTHORIZATION GRANTOR**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Certain users are given the authority to grant other users to use an application. An authorization manager can be restricted to grant access only for certain organizations and applications.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* AUTHORIZATION GRANTOR ID		N	NUMBER	10
GRANT OPTION IND		N	VARCHAR2	1
A value of Y means this user can grant authorizations to another user. (i.e. create another authorization manager).				
GRANT ANY ORG IND		N	VARCHAR2	1
Indicates whether the Authorization Grantor is granted to perform grants for a specific organization or for any Organization. If this indicator is set to 'Y', the Organization portion of the record will be NULL. Otherwise an Organization must be present.				
ENABLED IND		N	VARCHAR2	1
Y/N indicator that determines if profile administrator duties are enabled or not.				
'Y' indicates profile administrator duties are enabled				
'N' indicates profile administrator duties are not enabled.				
DELETED IND		N	VARCHAR2	1
Indicates whether the record has been deleted and should no longer be considered valid.				
The record is not physically deleted for auditing purposes. Valid values are 'Y' and 'N'.				
EFFECTIVE DATE		N	DATE	
The date Profile Administrator may start their duties.				
EXPIRY DATE		N	DATE	
The date the ability to grant authorizations expires. This is the date indicates the date it will expire at which time the authorization manager will no longer be able to grant access to this application and profile.				
Set date to Dec 31, 9999 to indicate record never expires.				
REVISION COUNT		N	NUMBER	10
Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MUST BE has audit one or more AUTHORIZATION GRANTOR AUDIT

MUST BE designated for one and only one AUTHORIZATION PROFILE

MUST BE delegated to one and only one EUSER

MUST BE granted by one and only one EUSER

MAY BE delegates authority for one and only one ORGANIZATION

* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM AUTHGRNT UNQ Primary N

MUST BE delegated to one and only one EUSER

MAY BE delegates authority for one and only one ORGANIZATION

MUST BE designated for one and only one AUTHORIZATION PROFILE

ADAM PROF ADMIN PK Primary Y

AUTHORIZATION GRANTOR ID

Entity Name: AUTHORIZATION GRANTOR AUDIT**Short Name:** AUTH GR AU**Plural:** AUTHORIZATION GRANTOR AUDIT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Each profile that is granted is recored in the case an audit check is required.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* AUTH GRANTOR AUDIT ID		N	NUMBER	10
Unique ID for profile admin audit record				
REASON		Y	VARCHAR2	500
Short description that details the reason the change was made to authorization.				
GRANT OPTION IND		N	VARCHAR2	1
Stores the value of the GRANT_OPTION_IND field in the PROFILE_ADMINISTRATOR table as part of the audit transaction.				
A value of Y means this user can grant authorizations to another user. (i.e. create another authorization manager).				
ENABLED IND		N	VARCHAR2	1
Stores the value of the ENABLED_IND field in the PROFILE_ADMINISTRATOR table as part of the audit transaction.				
'Y' indicates profile administrator duties are enabled				
'N' indicates profile administrator duties are not enabled.				
EFFECTIVE DATE		N	DATE	
Stores the value of the EFFECTIVE_DATE field in the PROFILE_ADMINISTRATOR table as part of the audit transaction.				
The date Profile Administrator may start their duties.				
EXPIRY DATE		N	DATE	
Stores the value of the EXPIRY_DATE field in the PROFILE_ADMINISTRATOR table as part of the audit transaction.				
The date the ability to grant authorizations expires.				
CREATED BY		N	VARCHAR2	64
The user that created the record.				
CREATED DATE		N	DATE	
The date the record was created.				
CREATED BY GUID		N	VARCHAR2	32
The Globally Unique ID (GUID) of the user that created this audit record.				
<i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>				
GRANTED BY		N	VARCHAR2	64
The user id of the user that originally granted this record.				
<i>The Granted By fields were added because who the record was Granted By will now change when the master record goes from Deleted back to Created. The matser records are never deleted but they may be "recreated" once they have been deleted. This will document who the current Grantor is when this audit record was created.</i>				
GRANTED BY GUID		N	VARCHAR2	32
The Globally Unique ID (GUID) of the user that is the current grantor of the parent record for which this audit exists.				
<i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

Entity Name:	AUTHORIZATION GRANTOR AUDIT (cont'd)	Short Name:	AUTH GR AU
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MUST BE has type one and only one AUDIT ACTION TYPE CODE

MUST BE is audit for one and only one AUTHORIZATION GRANTOR

* = *Relationships in primary unique identifier.*

Unique Identifiers:

ADAM PRF ADM AU PK	Primary	Y
AUTH GRANTOR AUDIT ID		

Entity Name: AUTHORIZATION PROFILE			Short Name: AUTHPROF
Plural:	AUTHORIZATION PROFILE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

An access profile is a grouping of application roles to simply the process of managing application access.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* AUTHORIZATION PROFILE ID		N	NUMBER	10
Unique number identifying and Access Profile				
PROFILE NAME		N	VARCHAR2	255
Display name given to the access profile.				
PROFILE DESCRIPTION		N	VARCHAR2	1000
Description of the access profile, and it's purpose.				
SECURE BY ORGANIZATION IND		N	VARCHAR2	1
Uses a "Y" or "N" value to indicate whether or not the application cares about Organizations or not for this profile. Some applications use Organizations to determine what data of the same type a user has access to. Other applications don't care about Organizations and allow users to have access all data of the same type. This is usually at the profile/role level.				
For Example. An Application may have inspection data. A role may be granted to view the inspection data. If the application cares about organizations then the user could be further restricted to viewing inspections for only authorized orgnizations. If the application does not care about organizations for that role/profile, then the user may view all inspections.				
REVISION COUNT		N	VARCHAR2	10
Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE grantable for one or more AUTH PROFILE USR LINK

MAY BE is assigned to one or more AUTHORIZATION GRANTOR

MUST BE has audit one or more AUTHORIZATION PROFILE AUDIT

MAY BE granted one or more EAUTHORIZATION

MUST BE profile for one or more PROFILE ROLE LINK

* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM PROFILE NAME UNQ	Primary	N
PROFILE NAME		
ADAM ACC PROF PK	Primary	Y
AUTHORIZATION PROFILE ID		

Entity Name: AUTHORIZATION PROFILE AUDIT			Short Name: AUTHPR AUD	
Plural: AUTHORIZATION PROFILE AUDIT				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Changes to ACCESS_PROFILE records are audited to provide a history that can be referred to in the event of a problem.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* AUTH PROFILE AUDIT ID		N	NUMBER	10
Unique identifier for the record.				
REASON		Y	VARCHAR2	500
The reason the access profile was changed. We MUST know the reason the profile changed since it impacts all the authorizations tied to that access profile.				
APPLICATION ACRONYM		Y	VARCHAR2	30
Stores the value of the APPLICATION_ACRONYM field in the PROFILE_ROLE_LINK table as part of the audit transaction.				
The application acronym of the app that contains the role added/removed to the profile				
ROLE NAME		Y	VARCHAR2	50
Stores the value of the ROLE_NAME field in the PROFILE_ROLE_LINK table as part of the audit transaction.				
The role name of the role added/removed to the profile.				
PROFILE NAME		N	VARCHAR2	255
Stores the value of the PROFILE_NAME field in the ACCESS_PROFILE table as part of the audit transaction.				
Display name given to the access profile.				
PROFILE DESCRIPTION		N	VARCHAR2	1000
Stores the value of the PROFILE_DESCRIPTION field in the ACCESS_PROFILE table as part of the audit transaction.				
Description of the access profile, and it's purpose.				
SECURE BY ORGANIZATION IND		N	VARCHAR2	1
Stores the value of the SECURE BY ORGANIZATION IND attribute in the AUTHORIZATION PROFILE as part of the audit transaction.				
CREATED BY		N	VARCHAR2	64
The user that created the record.				
CREATED DATE		N	DATE	
Date the record was created.				
CREATED BY GUID		N	CHAR	32
The Globally Unique ID (GUID) of the user that created this audit record.				
The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE has type one and only one AUDIT ACTION TYPE CODE

MUST BE is audit for one and only one AUTHORIZATION PROFILE

* = Relationships in primary unique identifier.

Unique Identifiers:

ACC PR AUD	Primary	Y
AUTH PROFILE AUDIT ID		

Entity Name: CLIENT LOC NT GROUP			<i>Short Name:</i> CLTLOC_GRP		
<i>Plural:</i> CLIENT LOC NT GROUP					
<i>Init. Volume:</i>		<i>Avg. Volume:</i>		<i>Max. Volume:</i>	
<i>Annual Growth Rate:</i>					

Description:

The NT Groups that will work on behalf of associated Client Location. NT Group members are granted application access through the application_role table, thus providing a finer level of security granularity. For example, members of the Weyerhaeuser group could be authorized to work on behalf of the Weihauser client location to issue orders on their behalf, but the group would not be authorized to issue those same orders on the Fletcher client locations behalf.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* GROUP_NAME		N	VARCHAR2	255
NT Local Group Name				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE works on behalf of one and only one CLIENT LOCATION
- * = Relationships in primary unique identifier.

Unique Identifiers:

CLIENT_LOC_NT_GROUP_PKEY	Primary	Y
GROUP_NAME		
MUST BE works on behalf of one and only one CLIENT LOCATION		

Entity Name: CLIENT LOCATION			Short Name:	CLI LOC
Plural:	CLIENT LOCATION			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Attributes:

Name	Domain	Opt	Format	Length
* CLIENT LOCN CODE		N	CHAR	2
CLIENT LOCN NAME		Y	VARCHAR2	40
HDBS COMPANY CODE		Y	CHAR	5
ADDRESS 1		N	VARCHAR2	40
ADDRESS 2		Y	VARCHAR2	40
ADDRESS 3		Y	VARCHAR2	40
CITY		N	CHAR	30
PROVINCE		Y	VARCHAR2	50
POSTAL CODE		Y	CHAR	10
COUNTRY		N	VARCHAR2	50
BUSINESS PHONE		Y	CHAR	10
HOME PHONE		Y	CHAR	10
FAX NUMBER		Y	CHAR	10
LOCN EXPIRED IND		N	CHAR	1
RETURNED MAIL DATE		Y	DATE	
UPDATE USERID		N	VARCHAR2	30
UPDATE ORG UNIT		N	NUMBER	10
ADD TIMESTAMP		N	TIMESTAMP	
ADD USERID		N	VARCHAR2	30
UPDATE TIMESTAMP		N	TIMESTAMP	
CLI LOCN COMMENT		Y	VARCHAR2	4000
ADD ORG UNIT		N	NUMBER	10

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE managed by one and only one CLIENT LOC NT GROUP

* MUST BE show address for one and only one FOREST CLIENT

* = Relationships in primary unique identifier.

Unique Identifiers:

CLI LOC1	Primary	Y
MUST BE show address for one and only one FOREST CLIENT		
CLIENT LOCN CODE		

Entity Name: CLIENT LOCATION DEFAULT			Short Name: CLOCD
Plural: CLIENT LOCATION DEFAULT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The default client location code for a user, client number and application.
This default is used by applications that depend on client location codes such as SPAR and ECAS.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
DEFAULT CLIENT LOCN CODE		N	VARCHAR2	2
The default client location code for a user, client number and application. This default is used by applications that depend on client location codes such as SPAR and ECAS.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE default for one and only one APPLICATION
 - * MUST BE default for one and only one EUSER
 - * MUST BE default for one and only one FOREST CLIENT
- * = Relationships in primary unique identifier.

Unique Identifiers:

CLOCD_PK	Primary	Y
MUST BE default for one and only one APPLICATION		
MUST BE default for one and only one EUSER		
MUST BE default for one and only one FOREST CLIENT		

Entity Name: CUSTODIAN		<i>Short Name:</i>	CUS
<i>Plural:</i>	CUSTODIAN		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CUSTODIAN NUMBER		N	NUMBER	10
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE manages one or more APPLICATION

* = Relationships in primary unique identifier.

Unique Identifiers:

PK	Primary	Y
CUSTODIAN NUMBER		

Entity Name: DEFAULT ORGANIZATION LINK		<i>Short Name:</i>	DEF ORG
<i>Plural:</i>	DEFAULT ORGANIZATION LINK		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A client may be assigned to have privileges to an application for 2 or more organizations. For each organization data they have access to in the app, they may have different levels of privileges. When a user connects to such an application they choose the org that they want to work in, thus determining their set of privileges. This table will store their default org preference for the application.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE has application one and only one APPLICATION
 - * MUST BE is default for one and only one EUSER
 - * MUST BE has org one and only one ORGANIZATION
- * = Relationships in primary unique identifier.

Unique Identifiers:

ADAM DEF ORG PK	Primary	Y
MUST BE is default for one and only one EUSER		
MUST BE has application one and only one APPLICATION		
MUST BE has org one and only one ORGANIZATION		

Entity Name: EAUTHORIZATION**Short Name:** EAUTH**Plural:** EAUTHORIZATIONS**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

A user may be granted authorization for an application. Each eauthorization is defined by a profile (what a user can do) and an organization (who they can do it for).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EAUTHORIZATION ID		N	NUMBER	10
Unique number used to identify an EAuthorization record				
ENABLED IND		N	VARCHAR2	1
Y/N indicator that determines if eAuthorization is enabled or not				
'Y' indicates authorization is enabled				
'N' indicates authorization is not enabled.				
DELETED IND		N	VARCHAR2	1
Indicates whether the record has been deleted and should no longer be considered valid.				
The record is not physically deleted for auditing purposes. Valid values are 'Y' and 'N'.				
EFFECTIVE DATE		N	DATE	
The date the authorization becomes effective.				
EXPIRY DATE		N	DATE	
The date the authorization expires. Set date to Dec 31, 9999 to indicate record never expires.				
REVISION COUNT		N	NUMBER	10
Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MUST BE authorizes one and only one EGROUPE
 or MUST BE authorizes one and only one EUSER
 MUST BE defines authority to use one and only one AUTHORIZATION PROFILE
 MUST BE has audit one or more EAUTHORIZATION AUDIT
 MUST BE granted by one and only one EUSER
 MAY BE granted by one and only one ORGANIZATION

* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM EAUTH UNQ Primary N

MUST BE authorizes one and only one EUSER

MUST BE defines authority to use one and only one AUTHORIZATION PROFILE

MAY BE granted by one and only one ORGANIZATION

MUST BE authorizes one and only one EGROUPE

ADAM EAUTH PK Primary Y

EAUTHORIZATION ID

Notes:

Most existing applications have no concept of an Organization for delineating the application data. Every authorized user has equal access to all data.

For backwards compatibility the ORGANIZATION_ID field will be set to NULL to indicate that the user has access to all data in no organization restriction.

Entity Name: EAUTHORIZATION AUDIT**Short Name:** EAUTHAUDIT**Plural:** EAUTHORIZATION AUDIT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Each authorization that is granted/revoked/modified has an audit record created to provide a history of authorization changes.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EAUTHORIZATION AUDIT ID		N	NUMBER	10
Unique number to identify an authorization audit record.				
REASON		Y	VARCHAR2	500
Short description that details the reason the change was made to authorization.				
ENABLED IND		N	VARCHAR2	1
Stores the value of the ENABLED_IND field in the EAUTHORIZATION table as part of the audit transaction.				
Y/N indicator that determines if eAuthorization is enabled or not				
'Y' indicates authorization is enabled				
'N' indicates authorization is not enabled.				
EFFECTIVE DATE		N	DATE	
Stores the value of the EFFECTIVE_DATE field in the EAUTHORIZATION table as part of the audit transaction.				
The date authorization becomes effective.				
EXPIRY DATE		N	DATE	
Stores the value of the EXPIRY_DATE field in the EAUTHORIZATION table as part of the audit transaction.				
The date authorization expires.				
CREATED BY		N	VARCHAR2	64
The user that created the record.				
CREATED DATE		N	DATE	
Date the record was created				
CREATED BY GUID		N	VARCHAR2	32
The Globally Unique ID (GUID) of the user that created this audit record.				
<i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>				
GRANTED BY		N	VARCHAR2	64
The user id of the user that originally granted this record.				
<i>The Granted By fields were added because who the record was Granted By will now change when the master record goes from Deleted back to Created. The master records are never deleted but they may be "recreated" once they have been deleted. This will document who the current Grantor is when this audit record was created.</i>				
GRANTED BY GUID		N	VARCHAR2	32
The Globally Unique ID (GUID) of the user that is the current grantor of the parent record for which this audit exists.				
<i>The GUID is the unique identifier assigned to a user account within the Active Directories that house BCeID and IDir. The GUID must be used as the identifier because it is possible for a user account to change their account name but the GUID will always remain the same.</i>				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MUST BE has type one and only one AUDIT ACTION TYPE CODE

MUST BE is audit for one and only one EAUTHORIZATION

* = Relationships in primary unique identifier.

Entity Name:	EAUTHORIZATION AUDIT (cont'd)	Short Name:	EAUTHAUDIT
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Unique Identifiers:

ADAM EAUTH AUDIT PK	Primary	Y
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EAUTHORIZATION AUDIT ID

Entity Name: EGROUP		Short Name: EGRP	
<i>Plural:</i>	EGROUP		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Authorization can be granted to either a user or a group. This entity provides the attributes about a group.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EGROUP ID		N	NUMBER	10
Unique number identifying the egroup				
GROUP GUID		N	VARCHAR2	32
Each user or group in a directory has a unique identifier called a GUID or Globally Unique Identifier. The value is a 128 bit number but is displayed and passed around the network as a 32 character hex string. There is no guarantee that a user ID is unique, given that an ID can be deleted and another user could be given that USER ID in the future. The GUID in such a situation would be different thereby avoiding authority assigned to the previous user being inherited by the new user.				
SOURCE DIRECTORY		N	VARCHAR2	64
Defines the source directory of the group. This will help performance from a perspective of determining where the group originated from.				
GROUP NAME		N	VARCHAR2	128
The name of the group that contains users with access to an application.				
EXPIRY DATE		N	DATE	
The date the group expires. Set date to Dec 31, 9999 to indicate record never expires.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE defines authority for one or more EAUTHORIZATION
MUST BE has one and only one USER TYPE CODE
* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM GROUP GUID UNQ	Primary	N
GROUP GUID		
ADAM EGROUP PK	Primary	Y
EGROUP ID		

Notes:

The thinking here is that an administrator can authorize a group of users that have access to an application. If an authenticated user is presented to WebADE then both their user id and group memberships need to be checked to determine all the authorizations that they may have for a given application.

Entity Name: ELECTRONIC AGREEMENT			Short Name:	EAGREE
Plural:	ELECTRONIC AGREEMENT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Defines the terms and conditions between two parties. If an agreement changes, the existing agreement expires and the user must agree to the new changed agreement.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ELECTRONIC AGREEMENT ID		N	NUMBER	10
Unique number identifying an electronic agreement.				
ELECTRONIC AGREEMENT NAME		N	VARCHAR2	50
AGREEMENT TEXT		N	TEXT	
Contains the text of the legal agreement that a user will agree to.				
<i>Field is to be converted to a CLOB field after ER diagram transformation. ER Diagrammer doesn't allow developer to specify CLOB as a type for a field.</i>				
EFFECTIVE DATE		N	DATE	
Date the agreement becomes effective.				
EXPIRY DATE		N	DATE	
Date the agreement expires.				
CREATED BY		N	VARCHAR2	64
User that created agreement record.				
CREATED DATE		N	DATE	
Date the agreement was created.				
REVISION COUNT		N	NUMBER	10
Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE has type one and only one ELECTRONIC AGREEMENT TYPE CODE

MAY BE bound to one or more EUSER AGREEMENT

* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM EAGREE NAME UNQ	Primary	N
ELECTRONIC AGREEMENT NAME		
ADAM EAGREE PK	Primary	Y
ELECTRONIC AGREEMENT ID		

Short Name: EAGR TP CD

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

List of Codes identifying the various types of electronic agreements.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
AGREEMENT TYPE CODE		N	VARCHAR2	3
Unique code value identifying an agreement type.				
DESCRIPTION		N	VARCHAR2	120
The code description for an agreement type.				
EFFECTIVE DATE		N	DATE	
Date the code becomes effective.				
EXPIRY DATE		N	DATE	
Date the code expires.				
UPDATE TIMESTAMP		N	DATE	
Date and Time the code was updated.				
* = Attributes in primary unique identifier.				

Each Occurrence Of This Entity:

MAY BE is type for one or more ELECTRONIC AGREEMENT

* = Relationships in primary unique identifier.

AGRE TP CD Primary Y
AGREEMENT TYPE CODE

Entity Name: ENVIRONMENT		Short Name:	ENV
Plural:	ENVIRONMENT		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Defines the various database environments. (e.g. DBP04, DBQ03 etc.)

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ENVIRONMENT ID		N	VARCHAR2	8
Identifies the environment. (e.g. DBP04, DBQ03).				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE user access controlled by one or more NT GROUP

* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM ENV PK	Primary	Y
ENVIRONMENT ID		

Notes:

The DBA's have a procedure that can be called to determine the current environment. Once that environment is known the WEB ADE compenent can determine which groups to compare against for determining a users roles.

Entity Name: ESUBSCRIPTION**Short Name:** ESUB**Plural:** ESUBSCRIPTION**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

An ESubscription is used to uniquely identify a user.

A unique code is generated and sent to the user using a media such as traditional mail. Once the user returns to ADAM with the subscription code, ADAM can associate the current user to the subscription code as the INVITEE. This process ensures we have properly identified the user as opposed to simply searching the directory for the user you think you want.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ESUBSCRIPTION ID		N	NUMBER	10
Unique number used to identify a ESubscription				
SUBSCRIPTION CODE KEY		N	VARCHAR2	255
A unique generated code used to identify a specific person.				
The subscription code for the initial implementation will be generated by BCeID. The code is similar to a GUID as used for users in WebADE although the number is not as large. The following is an example from the BCeID document regarding subscriptions: "36C4-5822-FD16-4C4D". The key will be stored without the dashes as we do with GUIDs.				
The code is generated and sent to the person via another channel. When the user returns with the code to ADAM, we are assured we have identified the proper person. This is similar to PIN numbers for Bank Cards.				
NOTIFY INVITER IND		N	VARCHAR2	1
An indication if the person who generated this subscription wants to be notified via e-mail when the user has returned to ADAM with the Subscription Code.				
CREATED DATE		N	DATE	
The date the ESubscription was generated.				
ACCEPTED DATE		Y	DATE	
The date the user returned to ADAM with the subscription code and accepted the agreement for the organization identified.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE invite one and only one EUSER

MUST BE generated by one and only one EUSER

MUST BE generated for one and only one ORGANIZATION

* = Relationships in primary unique identifier.

Unique Identifiers:

ESUB Primary Y

ESUBSCRIPTION ID

Notes:

A unique code is generated and sent to the user using a media such as traditional mail. Once the user returns to ADAM with the subscription code, ADAM can associate the current user to the subscription code as the INVITEE. This process ensures we have properly identified the user as opposed to simply searching the directory for the user you think you want.

Entity Name: EUSER**Short Name:** EUSER**Plural:** EUSER**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Defines a user of an eService.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EUSER ID		N	NUMBER	10
Unique number used to identify a EUser.				
USER GUID		N	VARCHAR2	32
Each user or group in a directory has a unique identifier called a GUID or Globally Unique Identifier. The value is a 128 bit number but is displayed and passed around the network as a 32 character hex string. There is no guarantee that a user ID is unique, given that an ID can be deleted and another user could be given that USER ID in the future. The GUID in such a situation would be different thereby avoiding authority assigned to the previous user being inherited by the new user.				
SOURCE DIRECTORY		N	VARCHAR2	64
The directory that the entry came from.				
USERID		N	VARCHAR2	64
The user ID associated with the GUID that a user would use to log on with. The user ID is normally in the format directory\username. For this purpose only the username is stored in the record. If the GROUP_IND = 'Y' then this value represents the name of a GROUP.				
EMPLOYEE IND		N	VARCHAR2	1
Many IDIR users are not government employees. If "Y" indicates that a user is a government employee. If N then the user is not a government employee.				
LAST NAME		Y	VARCHAR2	40
The last name of a user.				
FIRST NAME		Y	VARCHAR2	40
The first name of a user				
MIDDLE INITIAL		Y	VARCHAR2	1
The middle initial of a user.				
PHONE NUMBER		Y	VARCHAR2	10
The phone number of a user.				
EMAIL ADDRESS		Y	VARCHAR2	128
The email address of a user.				
EXPIRY DATE		N	DATE	
A user cannot be deleted in cases where history is required for audit purposes. A non null value in this field indicates that the user does not physically exist any longer. It will likely be updated by a synchronization trigger with the directory.				
The date the user expires. Set date to Dec 31, 9999 to indicate record never expires.				
UPDATED DATE		N	DATE	
The last time this entity was updated.				
* = Attributes in primary unique identifier.				

Relationships:**Each Occurrence Of This Entity:**

MAY BE acts as one or more APPLICATION ADMINISTRATOR

MAY BE grantor one or more APPLICATION ADMINISTRATOR

MAY BE grantor one or more AUTHORIZATION GRANTOR

MAY BE has delegated authority as one or more AUTHORIZATION GRANTOR

MAY BE has default client locations in one or more CLIENT LOCATION DEFAULT

MAY BE has default one or more DEFAULT ORGANIZATION LINK

Entity Name:	EUSER (cont'd)	<i>Short Name:</i>	EUSER
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MAY BE authorizes one or more EAUTHORIZATION
MAY BE granted one or more EAUTHORIZATION
MAY BE generate one or more ESUBSCRIPTION
MAY BE invited by one or more ESUBSCRIPTION
MAY BE agree to one or more EUSER AGREEMENT
MAY BE has preferences one or more PREFERENCE
MUST BE has one and only one USER TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM USER GUID UNQ	Primary	N
USER GUID		
ADAM EUSER PK	Primary	Y
EUSER ID		

Notes:

Some of this data (phone #) is redundant with what is in the directory but is provided for reporting purposes. The design needs to ensure synchronization issues are not going to occur. For example each time a user connects to a WebADE application should this info be refreshed. Does it need to be done more often to account for users who have not logged on for a long time?

Entity Name: EUSER AGREEMENT**Short Name:** EUSERAGREE**Plural:** EUSER AGREEMENT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Show acceptance of the terms and conditions in an electronic agreement between a user and the Ministry with regards to the useage of electronic services.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EUSER AGREEMENT ID		N	NUMBER	10
Unique number to identify an EUser agreement				
ACCEPTED IND		N	VARCHAR2	1
Agreements will be queued up for the euser to accept, based on the Access Profiles they are assigned.				
Y Indicates that the user has accepted the agreement.				
N Indicates that the user NEEDS to accept the agreement.				
ACCEPTED DATE		Y	DATE	
The Date that the user accepted the agreement				
SHARED SECRET		Y	VARCHAR2	50
The shared secret field allows an adminstrator so set their own secret keyword on the agreement. They then contact the user that is to accept the agreement, and tell them the secret word. When the user goes to accept the agreement they must enter the shared secret keyword to verify that they are really the person accepting the electronic agreement.				
Shared Secrets is optional, and recommended for non government employee users.				
DOCUMENT NAME		Y	VARCHAR2	255
A physical document may need to be signed by the user that contains terms and conditions not covered by the standard electronic agreements. This field records the name of the document.				
DOCUMENT LOCATION		Y	VARCHAR2	500
If a physical document exists as the agreement the user signs off on, then this field records the location of the document.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MUST BE is acceptance of one and only one ELECTRONIC AGREEMENT

MUST BE indicates acceptance for one and only one EUSER

MAY BE has organization one and only one ORGANIZATION

* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM EUSER AGREE UNQ Primary N

MUST BE indicates acceptance for one and only one EUSER

MUST BE is acceptance of one and only one ELECTRONIC AGREEMENT

MAY BE has organization one and only one ORGANIZATION

ADAM EUSER AGREE PK Primary Y

EUSER AGREEMENT ID

Notes:

Need more thinking here and could change substantially once the requirements are completely defined.

Short Name: FOR CLNT

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CLIENT NUMBER		N	CHAR	8
CLIENT NAME		N	VARCHAR2	60
LEGAL FIRST NAME		N	VARCHAR2	30
LEGAL MIDDLE NAME		N	VARCHAR2	30
SOUNDEX NAME		N	VARCHAR2	30
CLIENT STATUS CODE		N	CHAR	3
CLIENT TYPE CODE		N	CHAR	1
BIRTHDATE		N	CHAR	8
BC DRIVERS LICENSE		N	CHAR	7
CLIENT SIN		N	CHAR	9
CLIENT OTHER ID		N	VARCHAR2	40
CORP REGN NMBR		N	CHAR	9
CORP REPORTING IND		N	CHAR	1
OCG SUPPLIER NMBR		N	CHAR	10
PRIME MAILING LOCN		N	CHAR	2
TOTAL BALANCE		N	CHAR	14
WCB FIRM NUMBER		N	CHAR	6
CLIENT COMMENT		N	VARCHAR2	60
UPDATE TIMESTAMP		N	TIMESTAMP	
UPDATE USERID		N	CHAR	8
UPDATE ORG UNIT		N	NUMBER	10
ADD TIMESTAMP		N	TIMESTAMP	
ADD USERID		N	CHAR	8
ADD ORG UNIT		N	NUMBER	10

Relationships:

* = Relationships in primary unique identifier.

Unique Identifiers:

CLIENT NUMBER

Entity Name: MIME_TYPE_CODE		<i>Short Name:</i>	MTC
<i>Plural:</i>	MIME_TYPE_CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A code table containing the list of possible output formats that reports can be generated in(PDF, DOC, HTML, etc.).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MIME_TYPE_CODE		N	VARCHAR2	3
DESCRIPTION		N	VARCHAR2	120
EFFECTIVE_DATE		N	DATE	
EXPIRY_DATE		N	DATE	
UPDATE_TIMESTAMP		N	DATE	

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE is output format code for one or more REPORT_QUEUE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

MTC_PK	<i>Primary</i>	Y
MIME_TYPE_CODE		

Entity Name: MS_DELIVERY_DAY			<i>Short Name:</i> MS_DEL_DAY		
<i>Plural:</i> MS_DELIVERY_DAY					
<i>Init. Volume:</i>		<i>Avg. Volume:</i>		<i>Max. Volume:</i>	
<i>Annual Growth Rate:</i>					

Description:

Code identifying the days that mail can be delivered.

<i>Attributes:</i>				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MS_DELIVERY_DAY		N	VARCHAR2	15
DESCRIPTION		N	VARCHAR2	255
ENTRY_USERID		N	VARCHAR2	30
The userid of the person who first created the record				
ENTRY_DATE		N	DATE	
The date the record was first created				
UPDATE_USERID		N	VARCHAR2	30
The userid of the person who last updated the record				
UPDATE_DATE		N	DATE	
The date the record was last updated.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE is delivery day for one or more MS_SCHEDULE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

MS_DEL_DAY_PK	Primary	Y
MS_DELIVERY_DAY		

Short Name: MS_DEL_HR

Init. Volume: Avg. Volume:

Max. Volume:

Annual Growth Rate:

Code identifying the hour to deliver emails at. Contains weekdays, month days, and current day codes

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MS_DELIVERY_HOUR		N	VARCHAR2	15
DESCRIPTION		N	VARCHAR2	255
ENTRY_USERID		N	VARCHAR2	30
The userid of the person who first created the record				
ENTRY_DATE		N	DATE	
The date the record was first created				
UPDATE_USERID		N	VARCHAR2	30
The userid of the person who last updated the record				
UPDATE_DATE		N	DATE	
The date the record was last updated.				

* = Attributes in primary unique identifier.

Each Occurrence Of This Entity:

MAY BE is delivery hour for one or more MS_EVENT

* = Relationships in primary unique identifier.

MS_DEL_HR_PK	Primary	Y
MS_DELIVERY_HOUR		

Entity Name: MS_DISTRIBUTION_LIST			<i>Short Name:</i> MS_DISTLST		
<i>Plural:</i> MS_DISTRIBUTION_LIST					
<i>Init. Volume:</i>		<i>Avg. Volume:</i>		<i>Max. Volume:</i>	
<i>Annual Growth Rate:</i>					

Description:

List of Distribution Lists (mail list servers) that can be mailed to.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DISTRIBUTION_LIST_ID		N	NUMBER	10
Unique number identifying a distribution list				
DESCRIPTION		N	VARCHAR2	255
Description of the distribution list				
LIST_SERVER_NAME		N	VARCHAR2	255
The list server name that will be the recipient of a task email.				
LIST_SERVER_ADDRESS		Y	VARCHAR2	100
LIST_SERVER_USERID		Y	VARCHAR2	30
LIST_SERVER_PASSWORD		Y	VARCHAR2	30
ENTRY_USERID		N	VARCHAR2	30
The userid of the person who first created the record				
ENTRY_DATE		N	DATE	
The date the record was first created				
UPDATE_USERID		N	VARCHAR2	30
The userid of the person who last updated the record				
UPDATE_DATE		N	DATE	
The date the record was last updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE has application one and only one APPLICATION

MAY BE is category for one or more MS_TASK

* = Relationships in primary unique identifier.

Unique Identifiers:

MS_DISTLST_PK	Primary	Y
DISTRIBUTION_LIST_ID		

Entity Name: MS_EVENT**Short Name:** MS_EVENT**Plural:** MS_EVENT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Declaration of an Event that should process on the scheduled days and hour between the start date and end date.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EVENT_ID		N	NUMBER	10
Unique number identifying an Event record				
DESCRIPTION		N	VARCHAR2	255
Description of the event an it's purpose.				
START_DATE		N	DATE	
The date after which the Event may be processed				
END_DATE		N	DATE	
The date the Event must be processed by.				
NEXT_EXECUTION_START_DATE		N	DATE	
The calculated next date the event is schedule to process.				
LAST_EXECUTION_START_DATE		Y	DATE	
The date that processing of the event last started. Used for statistics.				
LAST_EXECUTION_END_DATE		Y	DATE	
The date that processing of the event last ended. Used for statistics.				
LAST_EXECUTION_STATUS		Y	VARCHAR2	255
Open text field to contain any error messages or status messages that ocured during the last processing of the event.				
ENTRY_USERID		N	VARCHAR2	30
The userid of the person who first created the record				
ENTRY_DATE		N	DATE	
The date the record was first created				
UPDATE_USERID		N	VARCHAR2	30
The userid of the person who last updated the record				
UPDATE_DATE		N	DATE	
The date the record was last updated.				
* = Attributes in primary unique identifier.				

Relationships:**Each Occurrence Of This Entity:**

MUST BE has application one and only one APPLICATION

MUST BE has delivery hour one and only one MS_DELIVERY_HOUR

MUST BE has schedule one and only one MS_SCHEDULE

MAY BE is event for one or more MS_TASK

* = Relationships in primary unique identifier.

Unique Identifiers:

MS_EVENT_PK Primary Y

EVENT_ID

Entity Name: MS_MESSAGE			Short Name: MS_MSG	
Plural: MS_MESSAGE				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
Message that gets distributed as a result of the associated task being processed.

Attributes:				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MESSAGE_ID		N	NUMBER	10
Unique number identifying a message				
SUBJECT		N	VARCHAR2	1000
The subject header of an email				
CONTACT		Y	VARCHAR2	255
Contact information for the email				
REFERENCE		Y	VARCHAR2	255
Stores a reference to a client application, could be a URL that gets embedded into the email to allow the reciever of the email to gain access to the client application				
REFERENCE_ID		Y	NUMBER	10
Stores a reference to an optional source record of this message.				
SEND_DATE		N	DATE	
This field identifies the date a message becomes is to be sent on or after.				
<i>The SEND_DATE allows a message to be stored until the send date is reached or passed.</i>				
ENTRY_USERID		N	VARCHAR2	30
The userid of the person who first created the record				
ENTRY_DATE		N	DATE	
The date the record was first created				
UPDATE_USERID		N	VARCHAR2	30
The userid of the person who last updated the record				
UPDATE_DATE		N	DATE	
The date the record was last updated.				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MAY BE is message for one or more MS_MESSAGE_BODY
MUST BE has task one and only one MS_TASK
* = Relationships in primary unique identifier.

Unique Identifiers:	
MS_MSG_PK	Primary Y
MESSAGE_ID	

Entity Name: MS_MESSAGE_BODY			<i>Short Name:</i> MS_MES_BDY		
<i>Plural:</i> MS_MESSAGE_BODY					
<i>Init. Volume:</i>		<i>Avg. Volume:</i>		<i>Max. Volume:</i>	
<i>Annual Growth Rate:</i>					

Description:

Area to store the message text efficiently. Message text may exceed a thousand characters, so this table stores the text of a message body into several records, each a thousand characters long.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MESSAGE_BODY_ID		N	NUMBER	10
Unique number identifying an email messages body of content				
CONTENT		N	VARCHAR2	1000
The Email content				
ENTRY_USERID		N	VARCHAR2	30
The userid of the person who first created the record				
ENTRY_DATE		N	DATE	
The date the record was first created				
UPDATE_USERID		N	VARCHAR2	30
The userid of the person who last updated the record				
UPDATE_DATE		Y	CHAR	
The date the record was last updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE has message one and only one MS_MESSAGE

* = Relationships in primary unique identifier.

Unique Identifiers:

MS_MES_BDY_PK	Primary	Y
MESSAGE_BODY_ID		

Short Name: MS_PER_TYP

Init. Volume: Avg. Volume:

Annual Growth Rate:

Code identifying the delivery periods during which emails can be sent out.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MS_PERIOD_TYPE_CODE		N	VARCHAR2	15
DESCRIPTION		N	VARCHAR2	255
EFFECTIVE_DATE		N	DATE	
EXPIRY_DATE		N	DATE	
UPDATE_TIMESTAMP		N	DATE	

Each Occurrence Of This Entity:

* = Relationships in primary unique identifier.

MS_PER_TYP	Primary	Y
MS_PERIOD_TYPE_CODE		

Entity Name: MS_SCHEDULE			Short Name: MS_SCHED	
Plural: MS_SCHEDULE				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

List of schedules that can be assigned to an event.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SCHEDULE_ID		N	NUMBER	10
Unique number identifying a schedule				
DESCRIPTION		N	VARCHAR2	255
A display description of the schedule				
ENTRY_USERID		N	VARCHAR2	30
The userid of the person who first created the record				
ENTRY_DATE		N	DATE	
The date the record was first created				
UPDATE_USERID		N	VARCHAR2	30
The userid of the person who last updated the record				
UPDATE_DATE		N	DATE	
The date the record was last updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE has delivery day one and only one MS_DELIVERY_DAY
MAY BE is schedule for one or more MS_EVENT
MUST BE has period one and only one MS_PERIOD_TYPE_CODE
* = Relationships in primary unique identifier.

Unique Identifiers:

MS_SCHED_PK	Primary	Y
SCHEDULE_ID		

Entity Name: MS_TASK		Short Name: MS_TASK	
Plural:	MS_TASK		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Task that is performed when an Event gets processed.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TASK_ID		N	NUMBER	10
Unique number identifying a task				
DESCRIPTION		N	VARCHAR2	255
Description of what the task accomplishes				
SENDER_EMAIL_ADDRESS		Y	VARCHAR2	255
Email address of client sending the email				
RECIPIENT_EMAIL_ADDRESS		Y	VARCHAR2	255
Specifies a recipient of the email the task represents.				
SERVICE_URL		Y	VARCHAR2	255
Service URL is the URL of a JSP, Servlet, or ASP web application that is called prior to processing task messages. This allows a client application to deliver it's own messages, or allows the client application a chance to populate the task with messages, prior to the delivery of the task messages.				
LAST_EXECUTION_DATE		Y	DATE	
The last date the task was processed. Used for statistics.				
LAST_EXECUTION_STATUS		Y	VARCHAR2	255
The status of the last execution of the task. Open text field that may contain error messages or processing comments.				
ENTRY_USERID		N	VARCHAR2	30
The userid of the person who first created the record				
ENTRY_DATE		N	DATE	
The date the record was first created				
UPDATE_USERID		N	VARCHAR2	30
The userid of the person who last updated the record				
UPDATE_DATE		N	DATE	
The date the record was last updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE has category one and only one MS_DISTRIBUTION_LIST

MUST BE has event one and only one MS_EVENT

MAY BE is task for one or more MS_MESSAGE

* = Relationships in primary unique identifier.

Unique Identifiers:

MS_TASK_PK	Primary	Y
TASK_ID		

Entity Name: NT GROUP		<i>Short Name:</i>	GRP
<i>Plural:</i>	NT GROUP		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Stores the NT Groups that a user must belong to in order to be consider part of a role. The WEB ADE will query NT to get a list of groups for a user and then compare that to the groups / roles stored to determine which roles a user has access to for an application.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* GROUP NAME		N	VARCHAR2	255
Name of the NT GROUP containing list of authorized users.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE user list for one and only one APPLICATION ROLE

* MUST BE security group for one and only one ENVIRONMENT

* = Relationships in primary unique identifier.

Unique Identifiers:

GRP	Primary	Y
GROUP NAME		
MUST BE security group for one and only one ENVIRONMENT		

Entity Name: ORG UNIT			<i>Short Name:</i> OU	
<i>Plural:</i> ORG UNIT				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Records codes for ministry Organizational Units (offices),

such as Branch, Region, or District office. Codes are

currently defined to the office, section/program, and

subsection level.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG_UNIT_NO	Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	N	NUMBER	10
ORG_UNIT_CODE	Identifies any office within the ministry. First character identifies Exec, HQ Branch, Region, or District; next two chars identify the office name; next two the section (HQ Branch) or program (Region or District); last char identifies the subsection.	N	CHAR	6
ORG_UNIT_NAME	The name or title of a ministry office or section; for example Kamloops Forest Region; Silviculture Branch; Kispiox Forest District Protection program.	N	VARCHAR2	100
AREA_CODE	A 3-digit number that identifies each telephone service area in a country.	N	CHAR	3
TELEPHONE_NO	The general office telephone number (excluding the area code) for a Ministry of Forests office.	N	CHAR	7
ORG_LEVEL_CODE	Represents the organizational level of the Ministry, and is one of D District Forestry Office, E Executive, H Headquarters Branch, and R Regional Forestry Office.	N	CHAR	1
ROLLUP_REGION_NO	Identifier designating the region to which the org unit	N	NUMBER	10

Entity Name: ORG UNIT (cont'd)	Short Name:	OU
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is rolled into for reporting purposes. Values stored		
here are for the computer's use only, and are not to be		
used by people as "Ministry codes".		
ROLLUP_REGION_CODE	N CHAR	6
Identifier designating the region to which the org unit is rolled into		
for reporting purposes.		
ROLLUP_DIST_NO	N NUMBER	10
Identifier designating the district to which the org		
unit is rolled into for reporting purposes. Values		
stored here are for the computer's use only and are not		
to be used by people as "Ministry codes".		
ROLLUP_DIST_CODE	N CHAR	6
Identifier designating the district to which the org		
unit is rolled into for reporting purposes.		
EFFECTIVE_DATE	N DATE	
The date the Organizational Unit became effective as a		
valid Org Unit within the ministry's organizational		
structure.		
UPDATE_TIMESTAMP	Y TIMESTAMP	
The date and time of the last update.		
EXPIRY_DATE	N DATE	
The date the Organizational Unit is Obsoleted and is no		
longer an active Org Unit within the ministry's		
organizational structure. At the determination of Human		
Resources Branch, an expired Org Unit may be retained		
for historical purposed, or may be dele		
* = Attributes in primary unique identifier.		

Relationships:

Each Occurrence Of This Entity:

MAY BE managed by one and only one ORG UNIT NT GROUP
MAY BE represented by one and only one ORGANIZATION
* = Relationships in primary unique identifier.

Unique Identifiers:

OU1	Primary	Y
ORG_UNIT_NO		

Entity Name: ORG UNIT NT GROUP			<i>Short Name:</i> ORGUNT GRP		
<i>Plural:</i> ORG UNIT NT GROUP					
<i>Init. Volume:</i>		<i>Avg. Volume:</i>		<i>Max. Volume:</i>	
<i>Annual Growth Rate:</i>					

Description:

The NT Groups that will work on behalf of associated org unit. NT Group members are granted application access through the application_role table, thus providing a finer level of security granularity. For example, members of the Prince_George group could be authorized to work on behalf of the Prince George Region org unit to issue orders on their behalf, but the group would not be authorized to issue those same orders on Cariboo regions behalf.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* GROUP_NAME		N	VARCHAR2	255
NT Local Group Name				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE works on behalf of one and only one ORG UNIT
- * = Relationships in primary unique identifier.

Unique Identifiers:

ORG_UNIT_NT_GROUP_PKEY	Primary	Y
GROUP_NAME		
MUST BE works on behalf of one and only one ORG UNIT		

Entity Name: ORGANIZATION			Short Name:	ORGS
Plural:	ORGANIZATION			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Defines an organization that may may want to use an eService. Organization is by design, generic, and could be an external (business parter) , and external agency, or an internal org unit.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORGANIZATION ID		N	NUMBER	10
NAME		Y	VARCHAR2	255
Name of the Organization				
DESCRIPTION		Y	VARCHAR2	1000
Description of the Organization				
EFFECTIVE DATE		N	DATE	
The date in which the Organization became effective.				
EXPIRY DATE		N	DATE	
The date in which the Organization expires and is no longer valid.				
CREATED BY		N	VARCHAR2	64
Userid of person who created this record.				
CREATED DATE		N	DATE	
Date the record was created.				
UPDATED BY		N	VARCHAR2	64
Userid of person who updated this record.				
UPDATED DATE		N	DATE	
Date the record was updated.				
REVISION COUNT		N	NUMBER	10
Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE represents one and only one FOREST CLIENT
or MUST BE represents one and only one ORG UNIT
MAY BE delegated to one or more AUTHORIZATION GRANTOR
MAY BE is org for one or more DEFAULT ORGANIZATION LINK
MAY BE authorizing one or more EAUTHORIZATION
MAY BE invited via one or more ESUBSCRIPTION
MAY BE is organization for one or more EUSER AGREEMENT
MUST BE has type one and only one ORGANIZATION TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

ADAM ORGS PK	Primary	Y
ORGANIZATION ID		

Entity Name: ORGANIZATION TYPE CODE		Short Name:	ORGTYPE
Plural:	ORGANIZATION TYPE CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The type of Organization speciifed.

The acceptable values are:
BC GOVERNMENT ORG
NON GOVERNMENT ORG

Attribtes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORGANIZATION TYPE CODE		N	VARCHAR2	3
Unique code value identifying an organization type.				
DESCRIPTION		N	VARCHAR2	120
The code description for an organization type.				
EFFECTIVE DATE		N	DATE	
Date the code becomes effective.				
EXPIRY DATE		N	DATE	
Date the code expires.				
UPDATE TIMESTAMP		N	DATE	
Date and Time the code was updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE is type for one or more ORGANIZATION

* = Relationships in primary unique identifier.

Unique Identifiers:

ORGTYPE	Primary	Y
ORGANIZATION TYPE CODE		

Entity Name: PREFERENCE

Short Name:

PREF

Plural: PREFERENCE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

A preference for an application or a user. This is in the form of Name/Value pairs and the datatype of the value is always String.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PREFERENCE ID		N	NUMBER	10
PREFERENCE SUB TYPE		N	VARCHAR2	30
The sub type of preference. For example, an Preference of typ "Extension" would have a sub type of "UserInfo". Provides a further level of categorization.				
PREFERENCE SET NAME		Y	VARCHAR2	100
Provides a grouping of preferences. In some cases it would be unweildly to have a flat preference model so preferences can be optionally grouped together via this attribute.				
PREFERENCE NAME		N	VARCHAR2	100
The name of the preference key used to look up the preference value. Similar to an old style INI file for storing preferences in a string format.				
PREFERENCE VALUE		N	VARCHAR2	4000
The preference value returned as a result of a search on the preference name. Similar to an old style INI file for storing preferences in a string format.				
CREATED BY		N	VARCHAR2	64
Userid of person who created this record.				
CREATED DATE		N	DATE	
Date the record was created.				
UPDATED BY		N	VARCHAR2	64
Userid of person who updated this record.				
UPDATED DATE		N	DATE	
Date the record was updated.				
REVISION COUNT		N	NUMBER	10
Used to ensure data consistency during updates to entities. The revision count will be checked before performing the update to ensure the update is being applied to the version it started with.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE defined for one and only one APPLICATION

MAY BE is preference for one and only one EUSER

MUST BE has one and only one PREFERENCE TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

PREFERENCE PK Primary Y

PREFERENCE ID

Notes:

Need to check with Tony D to see if this is the same table he used for ECAS "workflow".

Entity Name: PREFERENCE TYPE CODE		<i>Short Name:</i>	PREFTYPE
<i>Plural:</i>	PREFERENCE TYPE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The types of preferences that can be defined. The following types are required for WebADE 4.

- EUser Preference: A preference which will include a user name and an application.
- Application Preference: A preference which will include an application.
- WebADE Preference: A preference used by WebADE on a global basis for all applications.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PREFERENCE TYPE CODE		N	VARCHAR2	3
Unique code value identifying an preference type.				
DESCRIPTION		N	VARCHAR2	120
The code description for an preference type.				
EFFECTIVE DATE		N	DATE	
Date the code becomes effective.				
EXPIRY DATE		N	DATE	
Date the code expires.				
UPDATE TIMESTAMP		N	DATE	
Date and Time the code was updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE is type for one or more PREFERENCE

* = Relationships in primary unique identifier.

Unique Identifiers:

PREFTYPE	<i>Primary</i>	Y
PREFERENCE TYPE CODE		

Entity Name: PROCESSING_STATUS_CODE		Short Name:	PSC
<i>Plural:</i>	PROCESSING_STATUS_CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A code table containing the list of statuses that a report can be in(submitted, processing, completed, and error).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PROCESSING_STATUS_CODE		N	VARCHAR2	3
DESCRIPTION		N	VARCHAR2	120
EFFECTIVE_DATE		N	DATE	
EXPIRY_DATE		N	DATE	
UPDATE_TIMESTAMP		N	DATE	

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE is status code for one or more REPORT_QUEUE

* = Relationships in primary unique identifier.

Unique Identifiers:

PSC_PK	Primary	Y
PROCESSING_STATUS_CODE		

Entity Name: PROFILE ROLE LINK			<i>Short Name:</i>	PRFLNK
<i>Plural:</i>	PROFILE ROLE LINK			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A link table to resolve the many to many relationship between application and profile.

There needs to be caution when mapping Application Roles to Access Profiles. If there is already EAuthorizations against the Access Profile, then you are adding/removing roles to those EAthorization records as well.

The EUser may have new authorities that they did not make an electronic agreement for. This may result in EUser signing off on additional Electronic Agreement records, or require them to re-agree to their existing agreements since their responsibilities have expanded.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE cross ref for one and only one APPLICATION ROLE
 - * MUST BE cross ref for one and only one AUTHORIZATION PROFILE
- * = Relationships in primary unique identifier.

Unique Identifiers:

PK	Primary	Y
MUST BE cross ref for one and only one AUTHORIZATION PROFILE		
MUST BE cross ref for one and only one APPLICATION ROLE		

Entity Name: PROXY CONTROL			<i>Short Name:</i>	PC
<i>Plural:</i>	PROXY CONTROL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Contains the Proxy ID's for a role.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
DB USERID		N	VARCHAR2	30
Database userid to use to connect to the database				
DB PASSWORD		N	VARCHAR2	30
Database password to use to connect to the database				
DB DRIVER		Y	VARCHAR2	50
Specifies Database Driver to use. ie ORACLE, MSQL, etc...				
CONNECTION INFO		Y	VARCHAR2	255
The connection string to use to connect with the driver to the database.				
MIN CONNECTIONS		Y	NUMBER	3
The minimum number of connections the pool for this role must contain.				
MAX CONNECTIONS		Y	NUMBER	3
The maximum number of connections the pool for this role may contain.				
MAX CONNECTION IDLE TIME		Y	NUMBER	6
The max amount of time (in minutes) a connection should remain open in the pool.				
MAX CONNECTION WAIT TIME		Y	NUMBER	10
The amount of time (in milliseconds) a pool client thread should wait for a connection. (0=blocks forever and -1=never block).				
MONITOR SLEEP TIME		Y	NUMBER	6
The amount of time (in minutes) between the checks made by the pool monitor.				
POOL CONNECTIONS IND		N	VARCHAR2	1
A flag to indicate whether to use connection pooling or use on-demand connections. Valid values are 'Y' or 'N'.				
PING CONNECTIONS IND		N	VARCHAR2	1
A flag to indicate whether a test should be performed to verify it is a valid connection, before handing it out.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE database credentials for one and only one APPLICATION ROLE
- * = Relationships in primary unique identifier.

Unique Identifiers:

PRXCTL	Primary	Y
MUST BE database credentials for one and only one APPLICATION ROLE		

Entity Name: REPORT_APPLICATION_CONFIG

Short Name:

RAC

Plural: REPORT_APPLICATION_CONFIG

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Contains the configuration settings required to initialize the online and batch report manager processes.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ONLINE_CRYSTAL_MAX_SESSIONS		N	NUMBER	
The max number of sessions available to online requests for the Crystal Report server				
ONLINE_CRYSTAL_MAX_WAIT		N	NUMBER	
The max time for an online report request to wait for a connection to the Crystal Web Server				
ONLINE_TEMP_DIRECTORY		N	VARCHAR2	255
The physical location of the temp directory for online report request processing				
CLEAN_TEMP_DIRECTORY_IND		N	VARCHAR2	1
A flag indicating whether to delete report files from the temp directory when completed a report request				
DEFAULT_REPORT_CACHE_IND		N	VARCHAR2	1
The indicator of the global setting for report caching for a given WebADE application. The allowable values are "Y" and "N" with the default being "Y".				
EMAIL_FROM_ADDRESS		Y	VARCHAR2	100
The "from" address to be used in email delivery of reports				
EMAIL_FROM_MAILER		Y	VARCHAR2	100
The "X-Mailer" header value for email delivery of reports identifying the mailing application where the report originated from				
EMAIL_SMTP_HOST		Y	VARCHAR2	100
The SMTP host to use to deliver email reports				
ADMIN_EMAIL_ADDRESS		Y	VARCHAR2	100
The address in which administrative alerts are sent to in order to alert of an issue with report processing.				
ATTEMPT_THRESHOLD		Y	NUMBER	6
The number of processing attempts for a jobs residing in the Report Queue before an administrative email is sent to alert of the problem.				
CRYSTAL_JS_HOSTNAME		N	VARCHAR2	100
The network name of the Crystal Job Server to use when scheduling jobs to be processed.				
CRYSTAL_JS_USERNAME		N	VARCHAR2	30
The username to use when connecting to the Crystal Job Server.				
CRYSTAL_JS_PASSWORD		N	VARCHAR2	30
The password to use when connecting to the Crystal Job Server.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE has application one and only one APPLICATION

MAY BE is report application for one or more REPORT_PROXY_CONTROL

MAY BE has report server one and only one REPORT_SERVER

* = Relationships in primary unique identifier.

Unique Identifiers:

RAC_PK

Primary Y

MUST BE has application one and only one APPLICATION

Entity Name: REPORT_DELIVERY_CODE		<i>Short Name:</i>	RDC
<i>Plural:</i>	REPORT_DELIVERY_CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A code table containing the list of possible delivery codes available to reporting(Currently Email and Direct).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* REPORT_DELIVERY_CODE		N	VARCHAR2	3
DESCRIPTION		N	VARCHAR2	120
EFFECTIVE_DATE		N	DATE	
EXPIRY_DATE		N	DATE	
UPDATE_TIMESTAMP		N	DATE	

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE is delivery code for one or more REPORT_QUEUE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

RDC_PK	<i>Primary</i>	Y
REPORT_DELIVERY_CODE		

Entity Name: REPORT_PARAMETER			<i>Short Name:</i>	RP
<i>Plural:</i>	REPORT_PARAMETER			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Contains the parameter name/value pairs to be passed to the report program in order of sequence

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PARAM_SEQUENCE		N	NUMBER	
The sequence value in which to order the parameters				
PARAM_NAME		N	VARCHAR2	40
The name of the parameter				
PARAM_VALUE		Y	VARCHAR2	2000
The value of the parameter				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE is report parameter for one and only one REPORT_QUEUE
- * = Relationships in primary unique identifier.

Unique Identifiers:

RP_PK	Primary	Y
PARAM_SEQUENCE		
MUST BE is report parameter for one and only one REPORT_QUEUE		

Entity Name: REPORT_PROGRAM_CODE		<i>Short Name:</i>	RPC
<i>Plural:</i>	REPORT_PROGRAM_CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A code table containing the list of reporting engines(Currently Oracle and Crystal Reports).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* REPORT_PROGRAM_CODE		N	VARCHAR2	8
DESCRIPTION		N	VARCHAR2	120
EFFECTIVE_DATE		N	DATE	
EXPIRY_DATE		N	DATE	
UPDATE_TIMESTAMP		N	DATE	

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE is report program code for one or more REPORT_PROXY_CONTROL

* = *Relationships in primary unique identifier.*

Unique Identifiers:

RPC_PK	<i>Primary</i>	Y
REPORT_PROGRAM_CODE		

Entity Name: REPORT_PROXY_CONTROL			Short Name:	RPXC
Plural:	REPORT_PROXY_CONTROL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Contains the login data fields needed to connect to the reporting engine associated with the defined application/report program/role combination.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CONNECT_NAME		N	VARCHAR2	50
This is primarily a name based on the requesting user's role				
DB_USERID		N	VARCHAR2	30
The reporting engine logon username				
DB_PASSWORD		N	VARCHAR2	30
The reporting engine logon password				
CONNECTION_INFO		Y	VARCHAR2	255
For Oracle, the JDBC connection url, for Crystal, the ODBC connection name.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE has report application name one and only one REPORT_APPLICATION_CONFIG
- * MUST BE has report program code one and only one REPORT_PROGRAM_CODE
- MAY BE is connection proxy for one or more REPORT_QUEUE

* = Relationships in primary unique identifier.

Unique Identifiers:

RPXYCTL_PK	Primary	Y
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CONNECT_NAME

MUST BE has report program code one and only one REPORT_PROGRAM_CODE

MUST BE has report application name one and only one REPORT_APPLICATION_CONFIG

Entity Name: REPORT_QUEUE*Short Name:*

RQ

Plural: REPORT_QUEUE*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

The queue of reports requiring batch processing for all WebADE applications

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* JOB_ID		N	NUMBER	10
The unique ID of a request job				
REPORT_NAME		N	VARCHAR2	255
The name of the report file to be used to generate the report request				
EMAIL_TO_ADDRESS		Y	VARCHAR2	128
The address to deliver the report to in an email delivery				
SUBMITTED_BY_USER		N	VARCHAR2	30
The name of the user who submitted the request				
SUBMITTED_TIME		N	DATE	
The date and time of the report request submission				
START_PROC_TIME		Y	DATE	
The date and time the report request began to be processed				
END_PROC_TIME		Y	DATE	
The date and time the report request process completed				
ERROR_MESSAGE		Y	VARCHAR2	200
The error message generated if the report process encountered an error				
REPORT_URL		Y	VARCHAR2	2000
The Uniform Resource Locator needed by the user to retrieve the file once it has been generated.				
REPORT_DIRECTORY		Y	VARCHAR2	2000
The server side directory the Report Manager should place the report after being generated.				
MIN_START_DATE		Y	DATE	
The date on or after the requested report should be executed and delivered.				
MAX_START_DATE		Y	DATE	
The latest date in which the report should be executed by. Reported as an error if date passes.				
ATTEMPT_COUNT		N	NUMBER	6
The number of times a job within the queue has been attempted by the Report Queue Manager.				
ADMIN_EMAIL_SENT_IND		N	VARCHAR2	1
Indicates whether a message has been sent to the administrator of the report queue. This is to ensure one and only one message is sent about an issue. The allowable values are "Y" and "N" with the default being "N".				
REPORT_FILENAME		Y	VARCHAR2	200
The destination file name to use for the name of the generated report.				
ALLOW_REPORT_CACHE_IND		N	VARCHAR2	1
This will determine if the report will be generated with caching turned on or off. The allowable values are "Y" and "N" with the default being "Y".				
EMAIL_SUBJECT		Y	VARCHAR2	100
The subject used for the email notification to the user when the report has completed. This is set/customized by each MoF application.				
EMAIL_BODY		Y	VARCHAR2	2000
The body text used for the email notification to the user when the report has completed.				

Entity Name:	REPORT_QUEUE (cont'd)	<i>Short Name:</i>	RQ
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This is set/customized by each MoF application.

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

- MUST BE has output format code one and only one MIME_TYPE_CODE
- MUST BE has status code one and only one PROCESSING_STATUS_CODE
- MUST BE has delivery code one and only one REPORT_DELIVERY_CODE
- MAY BE has report parameters one or more REPORT_PARAMETER
- MUST BE has connection proxy one and only one REPORT_PROXY_CONTROL
- MAY BE has sub reports one or more REPORT_SUB_REPORT

* = *Relationships in primary unique identifier.*

Unique Identifiers:

RQ_PK	<i>Primary</i>	<i>Y</i>
JOB_ID		

Entity Name: REPORT_SERVER		Short Name:	RS
Plural:	REPORT_SERVER		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Contains the report server-specific configuration information for a Crystal Report Web Server. Currently stores the location URL of the report server and batch queue manager settings for the report server.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* REPORT_SERVER_ID		N	NUMBER	10
Unique ID of a given Crystal Report Server				
REPORT_QUEUE_MANAGER_ID		Y	VARCHAR2	30
The id name of the batch queue manager that will process batch report requests for this report server				
CRYSTAL_SERVER_URL		N	VARCHAR2	255
The URL location of the Crystal Report Server. This was used with version 8 of the Crystal Enterprise product. We no longer need this and should be removed when all instances of WebADE are upgraded.				
BATCH_CRYSTAL_MAX_SESSIONS		Y	NUMBER	10
The maximum number of sessions the controlling batch queue manager can make to the report server				
CRYSTAL_JS_HOSTNAME		N	VARCHAR2	100
The network name of the Crystal Job Server to use when scheduling jobs to be processed.				
<i>The network name of the Crystal Job Server to use when scheduling jobs to be processed.</i>				
CRYSTAL_JS_USERNAME		N	VARCHAR2	30
The username to use when connecting to the Crystal Job Server.				
<i>The username to use when connecting to the Crystal Job Server.</i>				
CRYSTAL_JS_PASSWORD		N	VARCHAR2	30
The password to use when connecting to the Crystal Job Server.				
<i>The password to use when connecting to the Crystal Job Server.</i>				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE is report server for one or more REPORT_APPLICATION_CONFIG

* = Relationships in primary unique identifier.

Unique Identifiers:

RS_PK	Primary	Y
REPORT_SERVER_ID		

Entity Name: REPORT_SUB_REPORT		Short Name:	RSR
Plural:	REPORT_SUB_REPORT		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Contains the associated sub report names for a given report.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SUB_REPORT_NAME		N	VARCHAR2	100
The name of a sub report associated with the report to be generated in the queue				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE is sub report for one and only one REPORT_QUEUE
* = Relationships in primary unique identifier.

Unique Identifiers:

RSR_PK	Primary	Y
SUB_REPORT_NAME		
MUST BE is sub report for one and only one REPORT_QUEUE		

Entity Name: USER TYPE CODE			Short Name:	USRTYPE
Plural:	USER TYPE CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Indicates the function the user serves or the relationship the user has to the Ministry.

Subset of the USER_TYPE_CODE code values in IDD:
GOV Government
BUP Business Partner

Attributes:					
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	
* USER TYPE CODE		N	VARCHAR2	3	The unique code for the type.
DESCRIPTION		N	VARCHAR2	120	Description of the type.
EFFECTIVE DATE		N	DATE		Date the code becomes effective
EXPIRY DATE		N	DATE		Date the code expires.
UPDATE TIMESTAMP		N	DATE		Date the code was updated.
* = Attributes in primary unique identifier.					

Relationships:

Each Occurrence Of This Entity:

MAY BE grantable to one or more AUTH PROFILE USR LINK
MAY BE is type for one or more EGROUP
MAY BE is type for one or more EUSER
* = Relationships in primary unique identifier.

Unique Identifiers:	
USRTYPE	Primary Y
USER TYPE CODE	

Notes:

Initially the system will need to support the following:

BC Government User
Business Partner

Eventually the classification for citizen/individual will be required.

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