



SERENA

SERENA DASHBOARD

Synonyms Reference

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Synonym Reference

Serena Dashboard is built from the ground up to aggregate and report on the most meaningful project and status level data from the Serena Orchestrated ALM solutions, including Serena Release Manager, Serena Development Manager, and Serena Requirements Manager. Serena Dashboard is powered by IBI WebFOCUS, a rich report building and generation system that can consume and display relevant data from any enterprise data source. WebFOCUS uses synonym files to represent imported data in a series of tables.

Serena Dashboard uses these synonyms to import data from the key Serena systems, including Serena Business Manager, Serena Dimensions CM, and Serena ChangeMan ZMF. The data is then available from these synonyms and their tables to the metrics that will make use of the data.

Dashboard Metric Data Introduction

Overview

Understanding Synonyms [page 6]

Displaying Serena Dashboard Synonyms [page 7]

Using This Content [page 9]

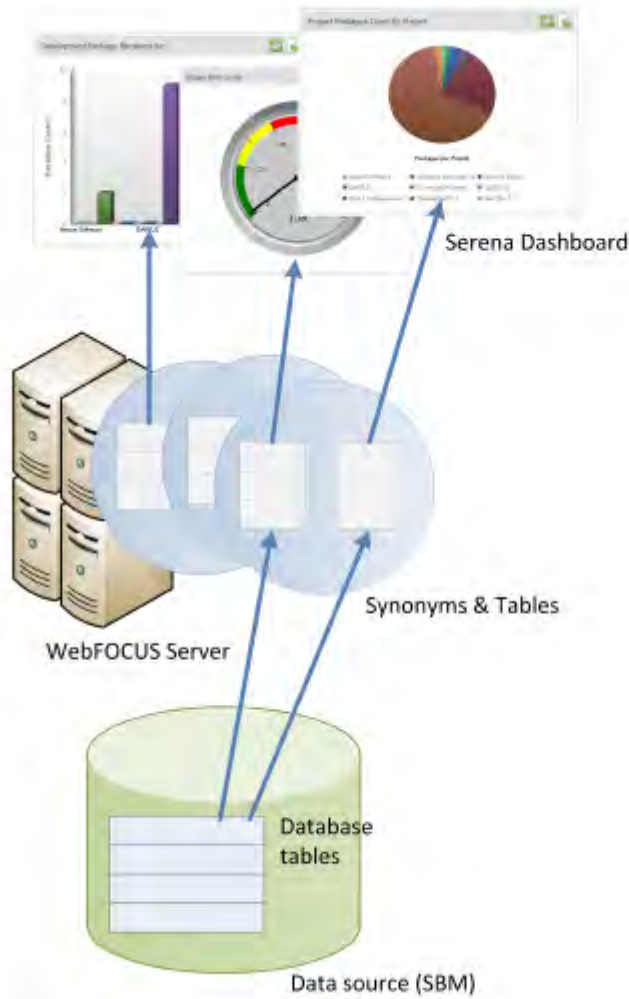
Overview

Serena Dashboard is built from the ground up to aggregate and report on the most meaningful project and status level data from the Serena Orchestrated ALM solutions, including Serena Release Manager, Serena Development Manager, and Serena Requirements Manager. Serena Dashboard is powered by IBI WebFOCUS, a rich report building and generation system that can consume and display relevant data from any enterprise data source. WebFOCUS uses synonym files to represent imported data in a series of tables.

Serena Dashboard uses these synonyms to import data from the key Serena systems, including Serena Business Manager and Serena Dimensions CM. The data is then available from these synonyms and their tables to the metrics that will make use of the data.

Understanding Synonyms

Serena Dashboard provides a set of pre-configured master files that are used within WebFOCUS to build and display metrics. These master files store all of the data about the synonyms and tables that represent the actual data from the source. In its simplest form, think of a WebFOCUS synonym as depicted below.



The master files in WebFOCUS define a synonym that maps to the source data and is refreshed with the latest data at run time. When you display a metric in Serena Dashboard, WebFOCUS queries the data source and returns the current data to the synonym, which is then rendered into the metric.

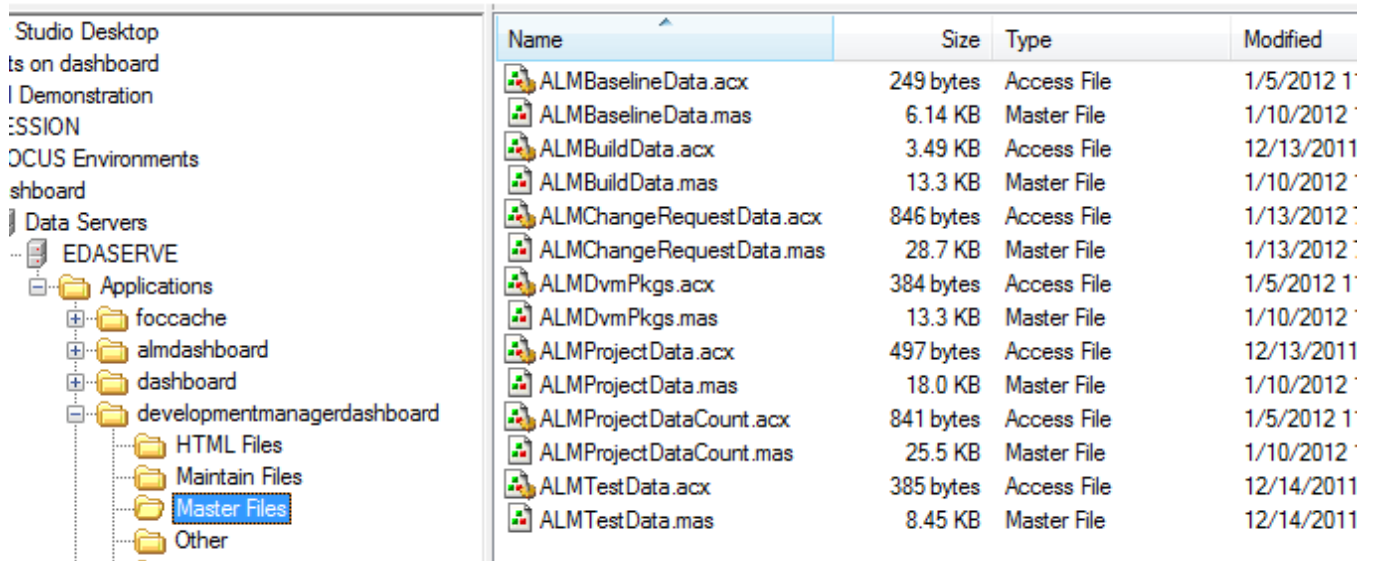
In order to build new metrics in WebFOCUS, you can take advantage of the existing synonyms that are provided out-of-the-box with Serena Dashboard, or consult the IBI WebFOCUS documentation to learn how to build your own. This document describes the tables, columns and other data structures that are mapped from SBM, Dimensions CM, and other systems into the out-of-box synonym tables; you can use it to find and understand what columns to pull into your own, custom metrics.

Displaying Serena Dashboard Synonyms

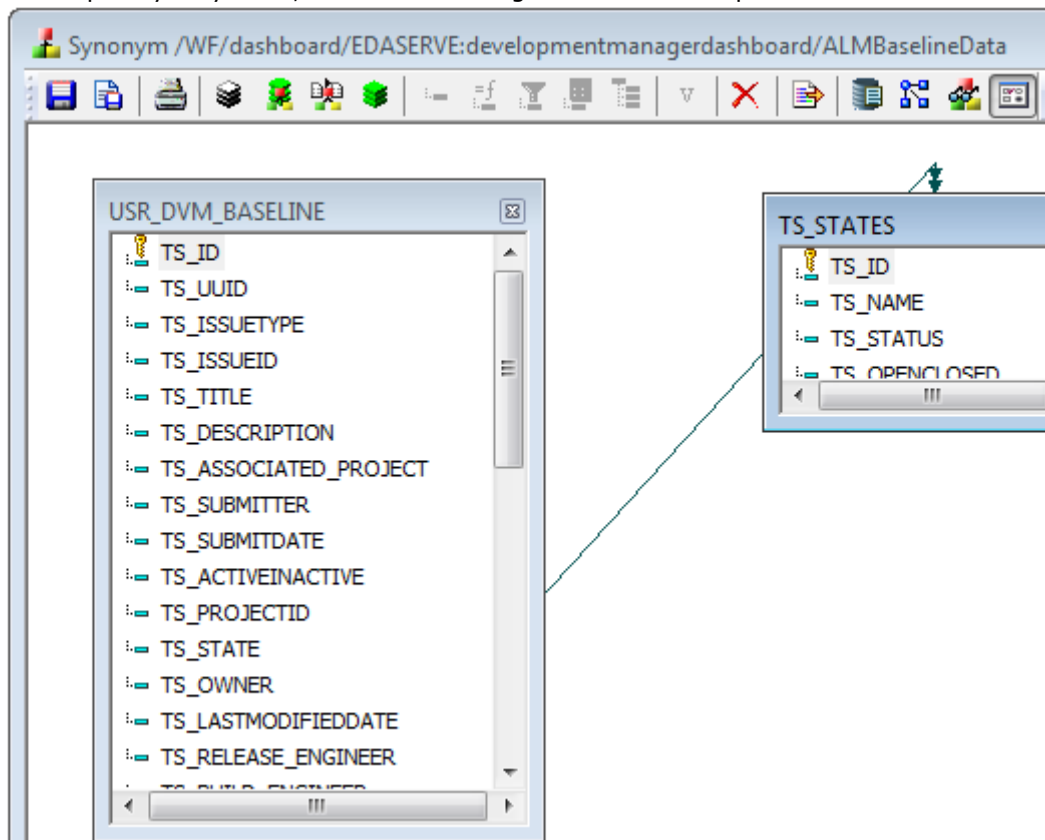
Once you have completed installation of Serena Dashboard as documented in the Serena Dashboard Installation and Configuration Guide, you can open any of the master files provided with Serena Dashboard from WebFOCUS Developer Studio. The master files (.mas) store the synonym and table definitions, mapping data from columns in the data source tables to fields in the synonym tables.

To display and work with master files:

1. Open WebFOCUS Developer Studio.
2. In the Explorer view, under WebFOCUS Environments, expand the Dashboard environment (or localhost, however it is defined), expand EDASERVE.
3. From here, you can open the \Applications folder and see all of the files for specific WebFOCUS applications. For example, under \developmentmanagerdashboard, you see all of the master files for the Development Manager metrics under the Master Files folder.



- Each of the .mas / .acx file-pairs in this folder corresponds to a synonym, and stores the table definitions for that synonym. Double-click any of the .mas files to view the tables included in the synonym. For example, double-click ALMBaselineData to display the contents of the ALMBaselineData synonym.
- From the open synonym file, click the Modeling tab to see the representations of tables.



- This synonym includes two tables that map to data from the Development Packages process app in Serena Development Manager.

In this way, you can see for yourself the synonyms included with Serena Dashboard and review the data that each synonym can provide. This document provides a thorough overview of this data, however it does not list every column in every table; you may find that by exploring the synonyms directly you can find everything you need to build new metrics.

Using This Content

This content provides you with an overview of the data provided to you via the tables defined in the out-of-box Serena Dashboard synonyms. You can read through the table and field descriptions to determine which data you need, and then open the synonyms directly in WebFOCUS Developer Studio to start working directly with the synonyms (see [Displaying Serena Dashboard Synonyms \[page 7\]](#)). This document provides shortcuts; you can scan tables and column names to find the data you need, then go to work building and customizing metrics in WebFOCUS Developer Studio.

Release Manager Metric Data Reference

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[Synonym Overview \[page 9\]](#)

[Release Trains \[page 10\]](#)

[Change Requests \[page 27\]](#)

[System Data \[page 12\]](#)

[Deployment Tasks \[page 14\]](#)

[Releases \[page 15\]](#)

[Applications \[page 16\]](#)

[Deployment Units \[page 17\]](#)

[Related Projects and Requests \[page 18\]](#)

[Workflow Stages \[page 19\]](#)

Introduction

Review these topics before you get started learning about the Release Manager schema used by Serena Dashboard.

Data Sources for Release Manager Metrics

Data for metrics on Serena Development Manager may come from multiple sources, including:

- Serena Business Manager
- Serena Dimensions CM

Representing Data with Synonyms

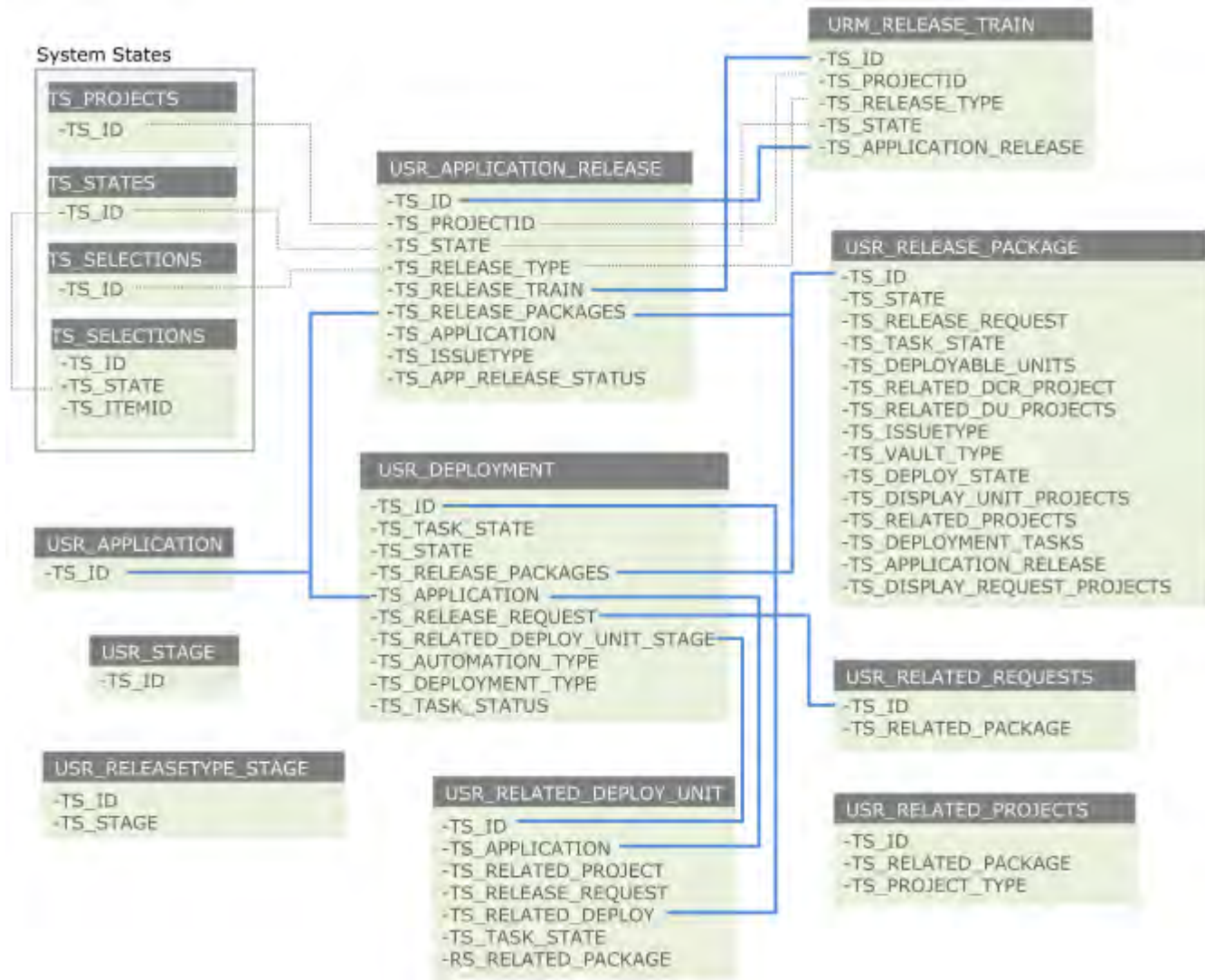
This data is aggregated into tables within several synonyms in WebFOCUS Developer Studio that the metrics can draw from as needed. These synonyms are collections of tables that represent data as it is stored in the database tables in Business Manager, Dimensions CM, and other data sources. All of the out-of-the-box metrics included with Serena Dashboard draw data from these synonyms. By using these synonyms, you do not need to interact directly with the databases for the data sources; the synonyms do the work of mapping metrics to the source data without requiring advanced knowledge of the source database schemas. For more information, see [Understanding Synonyms \[page 6\]](#).

Using This Content

To build your own metrics on Release Manager data, you can use the tables in these synonyms as well. This content is organized logically according to object type.

Synonym Overview

The following diagram illustrates the Release Manager object data that is available to you via the out-of-box Serena Dashboard synonyms.



By opening and displaying the WebFOCUS synonyms directly, you can review all of the many fields available to you as you build new metrics using the out-of-the-box Serena Dashboard synonyms. For more on working directly with Serena Dashboard synonyms, see [Displaying Serena Dashboard Synonyms](#) [page 7].

Release Trains

Data on release trains is stored in the URM_RELEASE_TRAIN table, which is used by several synonyms that provide project data to various metrics.

Out-of-Box Usage

- The Compare Release Trains metric uses the RLMReleaseTrainData synonym to map data from the URM_RELEASE_TRAIN table to release data from other tables in the Release Manager synonyms. This metric compares the status and stage of multiple release trains.
- The Application Release Rates and Application Release Installation metrics use the RLMAApplicationReleaseData synonym to map data from the URM_RELEASE_TRAIN table to deployment, request, application, and package data from other tables in the Release Manager synonyms. These metrics display application release rates and current status of installation steps.
- The Deployment Metrics metric uses the RLMDeploymentData synonym to map data from the URM_RELEASE_TRAIN table to deployment data. This metric displays the status of deployment activities by application and release train.

Object Reference

There is one table, the URM_RELEASE_TRAIN table, that stores the release train data.

URM_RELEASE_TRAIN

Description

The URM_RELEASE_TRAIN table retrieves data from Serena Business Manager on release trains in the system. The data includes the primary ID, the Release Control project to which it is associated, the type of release, and the stage that the release train is currently in.

Source

SBM schema.

Fields

- **TS_ID**
Primary key. Release train ID.
- **TS_PROJECTID**
Project ID.
- **TS_RELEASE_TYPE**
The type of release train. This may be major, minor, or emergency.
- **TS_STATE**
The stage that the release train is currently in.
- **TS_APPLICATION_RELEASE**
Associated application release.

Release Packages

Data on release packages is stored in the USR_RELEASE_PACKAGE table, which is used by the RLMAApplicationReleaseData and RLMDeploymentPackHistory synonyms. Specific information about the package states and transitions are stored in the TS_CHANGEACTIONS, TS_TRANSITIONS, TS_STATES_PRIORSTATES, and TS_STATES_NEWSTATES tables.

Example Out-of-Box Usage

- The Application Release Rates and Application Release Installation metrics use the RLMAApplicationReleaseData synonym to map data from the USR_RELEASE_PACKAGE table to release train, request and application data from other tables in the Release Manager synonyms. These metrics display application release rates and current status of installation steps.
- The Break/fix metric uses the RLMDeploymentPackHistory synonym to pull data about packages, including the break / fix information for each stage in a package.

Object Reference

USR_RELEASE_PACKAGE

Description

The USR_RELEASE_PACKAGE table retrieves data on release packages stored in SBM. This data includes change requests and deployment units associated with the package, type, and other relationships.

Source

SBM schema.

Fields

- `TS_ID`
Package ID.
- `TS_STATE`
Release state that the package is currently in.
- `TS_RELEASE_REQUEST`
ID of the associated release request.
- `TS_DEPLOYABLE_UNITS`
Associated deployment units.
- `TS_RELATED_DCR_PROJECT`
Project from which deployment change requests are retrieved.
- `TS_RELATED_DU_PROJECTS`
Project from which deployment units are retrieved.
- `TS_ISSUETYPE`
The type of release package, such as Dependent or Independent.
- `TS_VAULT_TYPE`
The type of release vault.
- `TS_DEPLOY_STATE`
- `TS_DISPLAY_UNIT_PROJECTS`
- `TS_RELATED_PROJECTS`
IDs of related projects from providers.
- `TS_DEPLOYMENT_TASKS`
Associated deployment tasks.
- `TS_APPLICATION_RELEASE`
Associated application release.
- `TS_DISPLAY_REQUEST_PROJECTS`
- `TS_MESSAGE_LOG`

System Data

System data tables provide unique identifiers for a variety of object types. These tables are used by various synonyms to supply the identifiers for these objects to metrics.

Object Reference

You can use the columns in the following tables to supply IDs to various objects in your own metrics.

TS_PROJECTS

Description

Provides IDs for projects from providers. The `USR_APPLICATION_RELEASE` and `URM_RELEASE_TRAIN` tables refer to it.

Source

SBM schema.

Fields

- `TS_ID`
Project ID.

TS_SELECTIONS

Description

Provides IDs for various objects. In the Release Manager tables, `TS_SELECTIONS` provides IDs for release types to the `USR_APPLICATION_RELEASE` and `URM_RELEASE_TRAIN` tables.

Source

SBM schema.

Columns

- `TS_ID`
Object ID.

TS_STATES

Description

Provides IDs for workflow states. In the Release Manager tables, `TS_STATES` provides IDs for states to the `USR_APPLICATION_RELEASE` and `URM_RELEASE_TRAIN` tables.

Source

SBM schema.

Fields

- `TS_ID`
State ID.

- TS_NAME
State name.
- TS_STATUS
- TS_OPENCLOSED

TS_CHANGEACTIONS

Source

SBM schema.

Columns

- TS_ID
Primary key. Change action ID.
- TS_ACTION
The action.
- TS_ITEMID
- TS_TABLEID
- TS_TIME
- TS_USERID

Deployment Tasks

Data on deployment tasks - including associated packages, tasks, requests, and applications - is stored in the USR_DEPLOYMENT table, which is used by the RLMDeploymentData and RLMAApplicationReleaseData synonyms.

Out-of-Box Usage

- The Deployment Metrics metric uses the RLMDeploymentData synonym to map data from the USR_DEPLOYMENT table to release train data. This metric displays the status of deployment activities by application and release train.
- The Application Release Rates and Application Release Installation metrics use the RLMAApplicationReleaseData synonym to map data from the USR_DEPLOYMENT table to release train, request, application, and package data from other tables in the Release Manager synonyms. These metrics display application release rates and current status of installation steps.

Object Reference

USR_DEPLOYMENT

Description

Provides data about deployment activities as a whole; each record in this table includes information on associated release packages, requests, deployment units, stage in the deployment lifecycle, the type of deployment activity, the state of the associated deployment task, etc.

Source

SBM schema.

Fields

- `TS_ID`
Primary key. Deployment ID.
- `TS_TASK_STATE`
Current state of the deployment task.
- `TS_STATE`
- `TS_RELEASE_PACKAGES`
IDs of associated release packages, from the `USR_RELEASE_PACKAGE` table.
- `TS_APPLICATION`
Associated application, from the `USR_RELATED_DEPLOY_UNIT` table.
- `TS_RELEASE_REQUEST`
Associated request for a release, from the `USR_RELATED_REQUESTS` table.
- `TS_RELATED_DEPLOY_UNIT`
Associated deployment unit from the `USR_RELATED_DEPLOY_UNIT` table.
- `STAGE`
Current release stage, from the `USR_RELEASETYPE_STAGE` table.
- `TS_AUTOMATION_TYPE`
Automation type.
- `TS_DEPLOYMENT_TYPE`
Type of deployment task: manual, approval, vault, or automation.
- `TS_TASK_STATES`
States in the deployment task.
- `TS_RELEASE_ENGINEER`
Primary owner of the deployment process.
- `TS_TEMPLATE`
The deployment process template.
- `TS_VAULT_TYPE`
Type of release vault, such as CM or ZMF.

Releases

Data on application releases is stored in the `USR_APPLICATION_RELEASE` table, which is used by several synonyms that provide project data to various metrics.

Out-of-Box Usage

- The Projects List metric uses the `RLMApplicationData` synonym to map application data from the `USR_APPLICATION` table to release data from the `USR_APPLICATION_RELEASE` table. This metric displays a list of applications as a project list.
- The Application Release Rates and Application Release Installation metrics use the `RLMApplicationReleaseData` synonym to map data from the `USR_APPLICATION_RELEASE` table to release train, deployment, request, application, and package data from other tables in the Release Manager synonyms. These metrics display application release rates and current status of installation steps.

- The Deployment Metrics metric uses the RLMDeploymentData synonym to map data from the `USR_APPLICATION_RELEASE` table to release train and deployment data from other tables in the Release Manager synonyms. This metric displays the status of deployment activities by application and release train.
- The Compare Release Trains metric uses the RLMReleaseTrainData synonym to map data from the `USR_APPLICATION_RELEASE` table to release train and application data from other tables in the Release Manager synonyms. This metric compares the status and stage of multiple release trains.

Object Reference

USR_APPLICATION_RELEASE

Description

Provides data about application releases.

Source

SBM schema.

Fields

- `TS_ID`
Primary key. ID of the release.
- `TS_UUID`
- `TS_ISSUETYPE`
Type of associated request.
- `TS_ISSUEID`
ID of associated request.
- `TS_TITLE`
Application release name.
- `TS_APPLICATION`
ID of the application.
- `TS_RELEASE_TRAIN`
ID of the release train.
- `TS_DESCRIPTION`
Description of the application release.
- `TS_PROJECTID`

Applications

Data on applications is stored in the `USR_APPLICATION` table, which is used by several synonyms that provide application data to various metrics.

Out-of-Box Usage

- The Projects List metric uses the RLMApplicationData synonym to map application data from the `USR_APPLICATION` table to release data from the `USR_APPLICATION_RELEASE` table. This metric displays a list of applications as a project list.

- The Application Release Rates and Application Release Installation metrics use the RLMApplicationReleaseData synonym to map data from the `USR_APPLICATION` table to release, release train, deployment, request, and package data from other tables in the Release Manager synonyms. These metrics display application release rates and current status of installation steps.
- The Deployment Metrics metric uses the RLMDeploymentData synonym to map data from the `USR_APPLICATION` table to release train and deployment data from other tables in the Release Manager synonyms. This metric displays the status of deployment activities by application and release train.
- The Compare Release Trains metric uses the RLMReleaseTrainData synonym to map data from the `USR_APPLICATION` table to release train and release data from other tables in the Release Manager synonyms. This metric compares the status and stage of multiple release trains.

Object Reference

USR_APPLICATION

Description

Stores data about application definitions, which is in turn associated with releases.

Source

SBM schema.

Fields

- `TS_ID`
Primary key. Application ID.
- `TS_UUID`
- `TS_TITLE`
Name of the application.
- `TS_DESCRIPTION`
Application description.
- `TS_LASTMODIFIEDDATE`
Date when the application was last modified.
- `TS_DEPLOYMENT_PROCESS`
- `TS_LASTMODIFIER`
ID of the user that last modified the application.

Deployment Units

Data on deployment units is stored in the `USR_RELATED_DEPLOY_UNIT` table, which is used by the RLMApplicationReleaseData synonym.

Out-of-Box Usage

- The Application Release Rates and Application Release Installation metrics use the RLMApplicationReleaseData synonym to map data from the `USR_RELATED_DEPLOY_UNIT` table to release, deployment, request, and package data from other tables in the Release Manager synonyms. These metrics display application release rates and current status of installation steps.

Object Reference

USR_RELATED_DEPLOY_UNIT

Description

Provides data on deployment units stored in SBM.

Source

SBM schema.

Fields

- TS_ID
Primary key. Deploy unit ID.
- TS_APPLICATION
Release application.
- TS_RELATED_PROJECT
Project from the provider.
- TS_RELATED_REQUEST
- TS_RELATED_DEPLOY
Related deployment task.
- TS_TASK_STATE
State of the related task.
- RS_RELATED_PACKAGE
Related deployment task.

Related Projects and Requests

Data on related projects and requests is provided by several tables. Request and project information originates with the registered change request and deployment provider.

Out-of-Box Usage

- The Application Release Rates and Application Release Installation metrics use the RLMAApplicationReleaseData synonym to map data on releases, release trains, deployment tasks, requests, and packages various Release Manager tables. These metrics display application release rates and current status of installation steps.

Object Reference

USR_RELATED_REQUESTS

Description

Provides information about related requests from the request provider.

Source

SBM schema.

Fields

- **TS_ID**
Primary key. Request ID.
- **TS_UUID**
- **TS_TITLE**
Name of the request.
- **TS_OWNER**
User that owns the request.
- **TS_PACKAGE_ID**
ID of the associated package.

USR_RELATED_PROJECTS**Description**

Provides information about projects from request and deployment unit providers.

Source

SBM schema.

Fields

- **TS_ID**
Primary key. Request ID.
- **TS_PROJECT_TYPE**
SBM or Dimensions CM.
- **TS_RELATED_PACKAGE**
Associated package.

Workflow Stages

Data on workflow stages and transitions is provided by several tables that are used by the RLMDeploymentPackHistory synonym. This includes the TS_TRANSITIONS, TS_STATES_PRIORSTATES, TS_STATES_NEWSTATES, and TS_TIMEINSTATE tables.

Out-of-Box Usage

- The Break/fix metric uses the RLMDeploymentPackHistory synonym to pull data about packages, including the break / fix information for each stage in a package.

Object Reference**TS_TIMEINSTATE****Description**

Amount of time spent in a particular state in the workflow.

Source

SBM schema.

Fields

- TS_ID
- TS_ENTERCHGACTIONID
ID of the change action that moved the package from the previous state into the current state.
- TS_EXITCHGACTIONID
ID of the transition that moved the package into the next state.
- TS_CALENDARID
- TS_ELAPSEDTIME
Measurement of elapsed time.

TS_STATES_NEWSTATES

Source

SBM schema.

Fields

- TS_ID
Primary key. State ID.
- TS_NAME
State name.
- TS_STATUS
State status.
- TS_OPENCLOSED
Whether the state is open or closed.

TS_STATES_PRIORSTATES

Source

SBM schema.

Fields

- TS_ID
Primary key. State ID.
- TS_NAME
State name.

- **TS_STATUS**
State status.
- **TS_OPENCLOSED**
Whether the state is open or closed.

TS_TRANSITIONS

Description

Workflow transitions.

Source

SBM schema.

Fields

- **TS_ID**
Primary key. State ID.
- **TS_NAME**
State name.
- **TS_PROJECTID**
- **TS_OLDSTATEID**

Development Manager Metric Data Reference

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[Synonym Overview \[page 22\]](#)

[Builds \[page 22\]](#)

[Change Requests \[page 11\]](#)

[System Data \[page 36\]](#)

[Development Packages \[page 30\]](#)

[Projects \[page 39\]](#)

[TS_PROJECTID \[page 32\]](#)

Introduction

Review these topics before you get started learning about the Development Manager schema used by Serena Dashboard.

Data Sources for Development Manager Metrics

Data for metrics on Serena Development Manager may come from multiple sources, including:

- Serena Business Manager
- Serena Dimensions CM

- HP Quality Center

Representing Data with Synonyms

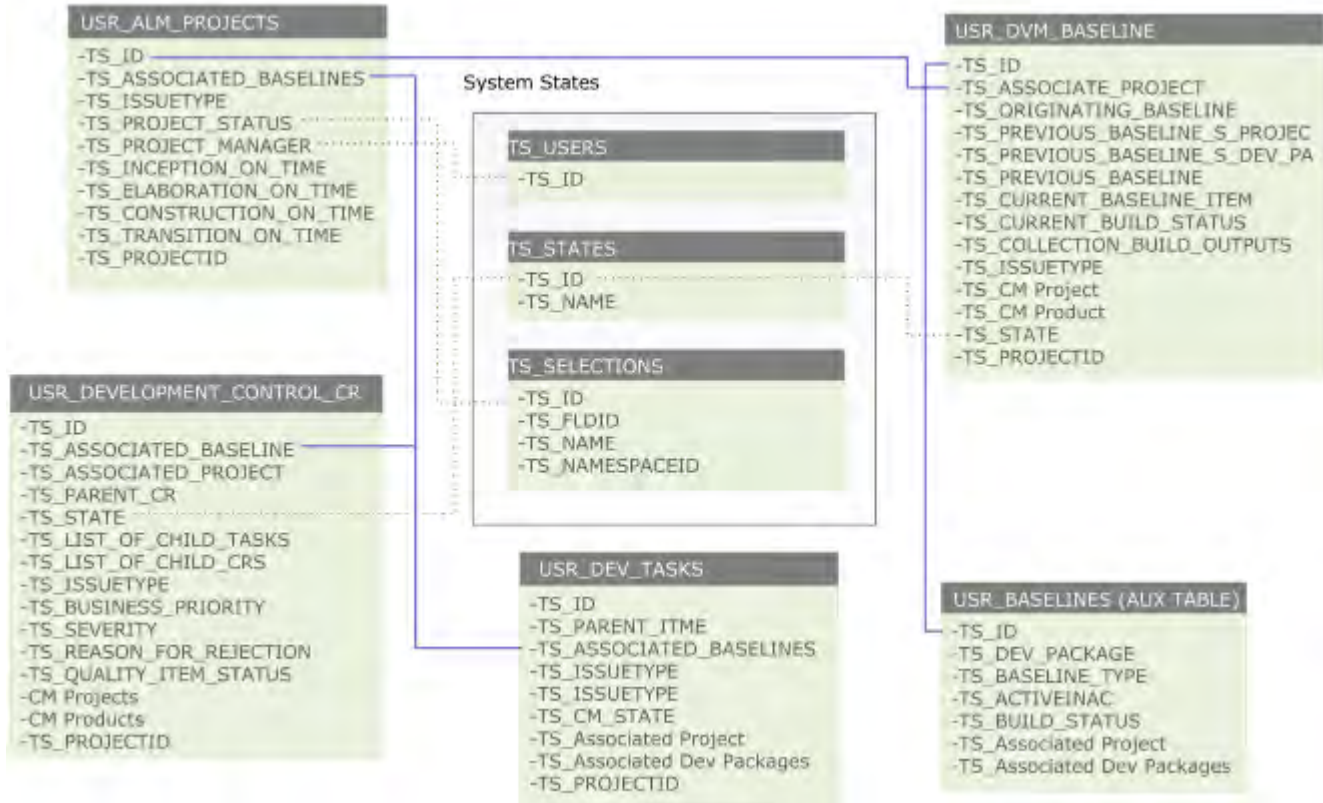
This data is aggregated into tables within several synonyms in WebFOCUS Developer Studio that the metrics can draw from as needed. These synonyms are collections of tables that represent data as it is stored in the database tables in Business Manager, Dimensions CM, and other data sources. All of the out-of-the-box metrics included with Serena Dashboard draw data from these synonyms. By using these synonyms, you do not need to interact directly with the databases for the data sources; the synonyms do the work of mapping metrics to the source data without requiring advanced knowledge of the source database schemas. For more on this, please see Understanding Synonyms [page 6].

Using This Content

To build your own metrics on Development Manager data, you can use the tables in these synonyms as well. This content is organized logically according to object type. For example, if you want to build a new metric that will report on change requests, refer to Change Requests [page 11] for details on the tables and fields that are available to you from the WebFOCUS synonyms.

Synonym Overview

The following diagram illustrates the set of tables related to Development Manager that are available to you via the out-of-the-box Serena Dashboard synonyms.



By opening and displaying the WebFOCUS synonyms directly, you can review all of the many fields available to you as you build new metrics using the out-of-the-box Serena Dashboard synonyms. For more on working directly with Serena Dashboard synonyms, see Displaying Serena Dashboard Synonyms [page 7].

Builds

Data on build configurations from Dimensions CM are stored in the tables that belong to the ALMBuildData synonym. The ALMBuildData synonym stores data imported from Dimensions CM on build jobs, their status, development areas, and more.

Out-of-Box Usage

In Serena Dashboard, the out-of-box metrics Build Details and Build Success Rate both pull in data from the ALMBuildData Synonym, in order to display information about build jobs that are managed in Dimensions CM and graphically indicate the overall rate of success of builds.

Build Objects Reference

The ALMBuildData synonym contains the following tables. You can use the columns in the synonym tables to build your own metrics on build data.

BLD_BUILD_JOB

Description

Data on Dimensions CM build jobs. You can learn more about Dimensions CM published views in the Serena Dimensions CM Reports Guide.

Source

Dimensions CM schema.

Fields

- BUILD_JOB_ID
Primary key. Stores the ID of the Dimensions CM build job.
- BUILD_ENV_ID
ID of the associated Dimensions CM build environment.
- BUILD_AREA_ID
ID of the associated Dimensions CM build area.
- BUILD_JOB_START_TIME
The start time for the build job.
- BUILD_JOB_STOP_TIME
The stop time for the build job.
- BUILD_JOB_USER
The user who created the build job.
- BUILD_JOB_RESULT
The result of the build job.
- BUILD_CONFIG_VERSION_ID
The ID of the version of the build configuration for the job.
- CLEAN_BUILD
Whether the build job should clean the target directory before running.
- SRC_BLINE_ID
The ID of the source baseline that the build job compiles.

BLD_BUILD_ENV

Description

Data on Dimensions CM build environments.

Source

Dimensions CM schema.

Fields

- **BUILD_ENV_ID**
Primary key. ID of the build environment.
- **BUILD_CONFIG_ID**
ID of the build configuration for the environment.
- **BUILD_AREA_ID**
ID of the build area.
- **BUILD_ENV_ASKPASSRUNTIME**
Whether a password is required at runtime in order to run a build.

BLD_BUILD_CONFIG

Description

Data on Dimensions CM build configurations.

Source

Dimensions CM schema.

Fields

- **BUILD_CONFIG_ID**
ID of the Dimensions CM build configuration.
- **PROJECT_ID**
ID of the Dimensions CM build project.
- **PLATFORM_ID**
ID of the Dimensions CM build platform.
- **BUILD_CONFIG_CURRENT_ID**
ID of the current build configuration.

BLD_BUILD_CONFIG_VERSION

Description

Data on versions of Dimensions CM build configurations.

Source

Dimensions CM schema.

Fields

- BUILD_CONFIG_VERSION_ID
ID of the Dimensions CM build configuration version.
- BUILD_CONFIG_ID
ID of the Dimensions CM configuration.
- BUILD_CONFIG_VERSION_NUMBER
Dimensions CM build configuration version number.
- BUILD_CONFIG_VERSION_DATE
Date that the build configuration version was created.

BLN_CATALOGUE

Description

Data on Dimensions CM baselines.

Source

Dimensions CM schema.

Fields

- OBJ_UID
Baseline ID.
- OBJ_SPEC_UID
Baseline specification ID.
- TYPE_UID
The type of baseline.

BLN_SPEC_CATALOGUE

Source

Dimensions CM schema.

- OBJ_SPEC_UID
- TYPE_UID
- PRODUCT_ID
Product ID.
- OBJ_ID

AREA_CATALOGUE

Description

Data on Dimensions CM areas.

Source

Dimensions CM schema.

Fields

- AREA_UID
Area UID.
- AREA_ID
Name of the area.
- NETWORKNODE_UID
ID of the network node.
- DIRECTORY
Directory path to the area.

WS_CATALOGUE

Description

Dimensions CM project / stream specification.

Source

Dimensions CM schema.

Fields

- OBJ_UID
Project / steam ID.
- OBJ_SPEC_UID
Full specification of the project / steam.

- TYPE_UID
The type of project or stream.
- REVISION

WS_SPEC_CATALOGUE

Source

Dimensions CM schema.

Fields

- OBJ_SPEC_UID
- TYPE_UID
- PRODUCT_ID
ID of the Dimensions CM product.
- OBJ_ID

Change Requests

Data on change request objects are stored in the `USR_DEVELOPMENT_CONTROL_CR` table. This table is used by the `ALMChangeRequestData` synonym, which stores data from Serena Business Manager on change requests and more.

Out-of-Box Usage

- Using the `ALMChangeRequestData` synonym, the Project Defects Found metric maps data from the `USR_DEVELOPMENT_CONTRL_CR` table to data from the `USR_ALM_PROJECTS` table to display a bar graph of all defects in specific projects.
- Using the `ALMChangeRequestData` synonym, the Projects Defects by Month metric maps data from the `USR_DEVELOPMENT_CONTROL_CR` table to data from the `USR_ALM_PROJECTS` table to display an area graph of all defects found in specific projects on a month by month basis.
- Using the `ALMChangeRequestData` synonym, the Defects Escape Rate maps data from the `USR_DEVELOPMENT_CONTROL_CR` table to data from the `USR_ALM_PROJECTS` table to display a table of open and escaped defects for specific projects.

Object Reference

USR_DEVELOPMENT_CONTROL_CR

Description

This table stores data on development change requests managed by the Dev Change Requests process app.

Source

SBM schema.

Fields

- **TS_ID**
Change Request ID.
- **TS_ASSOCIATED_BASELINE**
Associated Dimensions CM baseline.
- **TS_ASSOCIATED_PROJECT**
ID of the related project.
- **TS_PARENT_CR**
If the request is a child request, stores the ID of the parent request.
- **TS_STATE**
Current state of the request.
- **TS_LIST_OF_CHILD_TASKS**
ID of tasks related to the request.
- **TS_LIST_OF_CHILD_CRs**
ID of any child requests, if the request is a parent request.
- **TS_ASSOCIATED_DEV_PACKAGES**
Associated development packages.
- **TS_ISSUETYPE**
Type of request, such as Defect.
- **TS_BUSINESS_PRIORITY**
Business priority of the request.
- **TS_SEVERITY**
Severity of the request.
- **TS_REASON_FOR_REJECTION**
If the request was rejected, the reason provided for the rejection.
- **TS_QUALITY_ITEM_STATUS**
Status of associated quality center items.
- **CM Projects**
Associated Dimensions CM projects.
- **CM Products**
Associated Dimensions CM products.
- **TS_PROJECTID**
ID of the associated ALM project.

System Data

System data tables provide unique identifiers for a variety of object types. These tables are used by various synonyms to supply the identifiers for these objects to metrics.

Out-of-Box Usage

Using the ALMChangeRequestData synonym, the Project Defects Found, Project Defects by Month, and Defects Escape Rate metrics map IDs from the system tables to various objects.

Object Reference

The following topics describe the system data tables.

TS_STATES

Description

Data about workflow states.

Source

SBM schema.

Fields

- TS_ID
State ID.
- TS_NAME
State name.

TS_SELECTIONS

Description

Provides IDs for various objects.

Source

SBM schema.

Fields

- TS_ID
Object ID.
- TS_FLDID
- TS_NAME
Object name.
- TS_NAMESPACEID

TS_USERS

Description

Provides information on users.

Source

SBM schema.

Fields

- TS_ID
User IDs.

Development Packages

Data on development packages is stored in the USR_DVM_BASELINE table, which is used by the ALMBaselineData and ALMDvmPkgs synonyms.

Note that the synonym and table names refer to baselines, however this is not to be confused with Dimensions baselines. Baseline here refers to development packages.

Out-of-Box Usage

- Using the ALMBaselineData synonym, the Project Baselines metric displays the success / failure rate for development packages in each project.
- Using the ALMDvmPkgs synonym, the Development Package per Project metric displays the total number of packages contained in each project, and at each state in the project.

Object Reference**USR_DVM_BASELINE****Description**

This table stores data on development packages from the Dev Packages process app in Serena Development Manager.

Source

SBM schema.

Fields

- TS_ID
Development package ID.
- TS_ASSOCIATED_PROJECT
Associated project from the ALM Projects process app.
- TS_ORIGINATING_BASELINE
- TS_PREVIOUS_BASELINE_S_PROJEC
When creating a new revised baseline, this is the project or stream in Dimensions CM to which the original baseline belongs.
- TS_PREVIOUS_BASELINE_S_DEV_PA
When creating a new revised baseline, this is the development package to which the previous baseline is associated.
- TS_PREVIOUS_BASELINE
When creating a revised baseline, the ID of the baseline to be revised.
- TS_CURRENT_BASELINE_ITEM
- TS_CURRENT_BUILD_STATUS
Status of a current build task associated with the package.

- TS_COLLECTION_BUILD_OUTPUTS
- TS_AUTO_REVISE_BASELINE_W
- TS_ISSUETYPE
- TS_CM Product
Associated Dimensions CM product.
- TS_CM Project
Associated Dimensions CM project or stream.
- TS_STATE
Current workflow state of the package.
- TS_PROJECTID

Projects

Data on development projects is stored in the `USR_ALM_PROJECTS` table, which is used by several synonyms that provide project data to various metrics.

Out-of-Box Usage

- The Project Change Request metric uses the `ALMProjectData` and `ALMChangeRequestData` synonyms to map project data from the `USR_ALM_PROJECTS` table to change request data from the `USR_DEVELOPMENT_CONTROL_CR` table. This metric displays the number of change requests in each stage in every project.
- The ALM Project Status metric uses the `ALMProjectData` synonym to pull data from the `USR_ALM_PROJECTS` table and display the current state, status, project manager, and last modified date of each project.
- The Development Package Iteration Count metric uses the `ALMProjectDataCount` synonym to map project data from the `USR_ALM_PROJECTS` table to development package data from the `USR_ALM_PROJECTS` table. This metric displays the number of attempts each package required before it was released. You can display a tabular version of this metric that indicates the project to which each package belongs.
- The Project Defects Found, Project Defects by Month, and Defects Escape Rate use the `ALMChangeRequestData` to map project data from the `USR_ALM_PROJECTS` table to change requests data from the `USR_DEVELOPMENT_CONTROL_CR` table. These metrics display defect counts against specific projects.
- The Development Package per Project metric uses the `ALMDvmPkgs` synonym to map data from the `USR_ALM_PROJECTS` table to data from the `USR_DVM_BASELINE` table. This metric displays the number of development packages in specific projects.

Object Reference

USR_ALM_PROJECTS

Description

Stores data about projects from the ALM Projects process app.

Source

SBM schema.

Fields

- TS_ID

- **TS_ASSOCIATED_BASELINES**
- **TS_ISSUETYPE**
Project type, such as Innovation or Operational.
- **TS_PROJECT_STATUS**
Current project status.
- **TS_PROJECT_MANAGER**
User who is the project manager.
- **TS_INCEPTION_ON_TIME**
Whether the Inception phase is currently on-time.
- **TS_ELABORATION_ON_TIME**
Whether the Elaboration phase is currently on-time.
- **TS_CONSTRUCTION_ON_TIME**
Whether the Construction phase is currently on-time.
- **TS_TRANSITION_ON_TIME**
Whether the Transition phase is currently on-time.
- **TS_PROJECTID**

Test Data

Data on testing is stored in the `ALM_TEST_DATA` table, which is used by the `ALMTestData` synonym to provide project data to test metrics.

Out-of-Box Usage

The Test Execution Status metric uses the `ALM_TEST_DATA` synonym to pull data from the `ALM_TEST_DATA` table and display status information on tests.

Object Reference

TC_TESTCYCL

Description

Data about test cycles from the test management system.

Source

SBM schema.

Fields

- **TC_TESTCYCLE_ID**
Test cycle ID.
- **TC_CYCLE_ID**
- **TC_TEST_ID**
Tests included in the test cycle.

CYCLE

Source

SBM schema.

Fields

- `CY_CYCLE_ID`
Cycle ID.
- `CY_CYCLE`
Cycle name.
- `CY_OPEN_DATE`
Date the cycle was started.

CYCL_FOLD

Source

SBM schema.

Fields

- `CF_ITEM_ID`
- `CF_ITEM_NAME`
- `CF_ITEM_PATH`

Requirements Manager Metric Data Reference

[Introduction \[page 21\]](#)

[Synonym Overview \[page 34\]](#)

[Requirement Approvals \[page 34\]](#)

[System Data \[page 28\]](#)

[Approval Ballots \[page 37\]](#)

[Projects \[page 31\]](#)

Introduction

Review these topics before you get started learning about the Requirements Manager schema used by Serena Dashboard.

Data Sources for Requirements Manager Metrics

Data for metrics on Serena Development Manager may come from multiple sources, including:

- Serena Business Manager

- Serena Dimensions RM

Representing Data with Synonyms

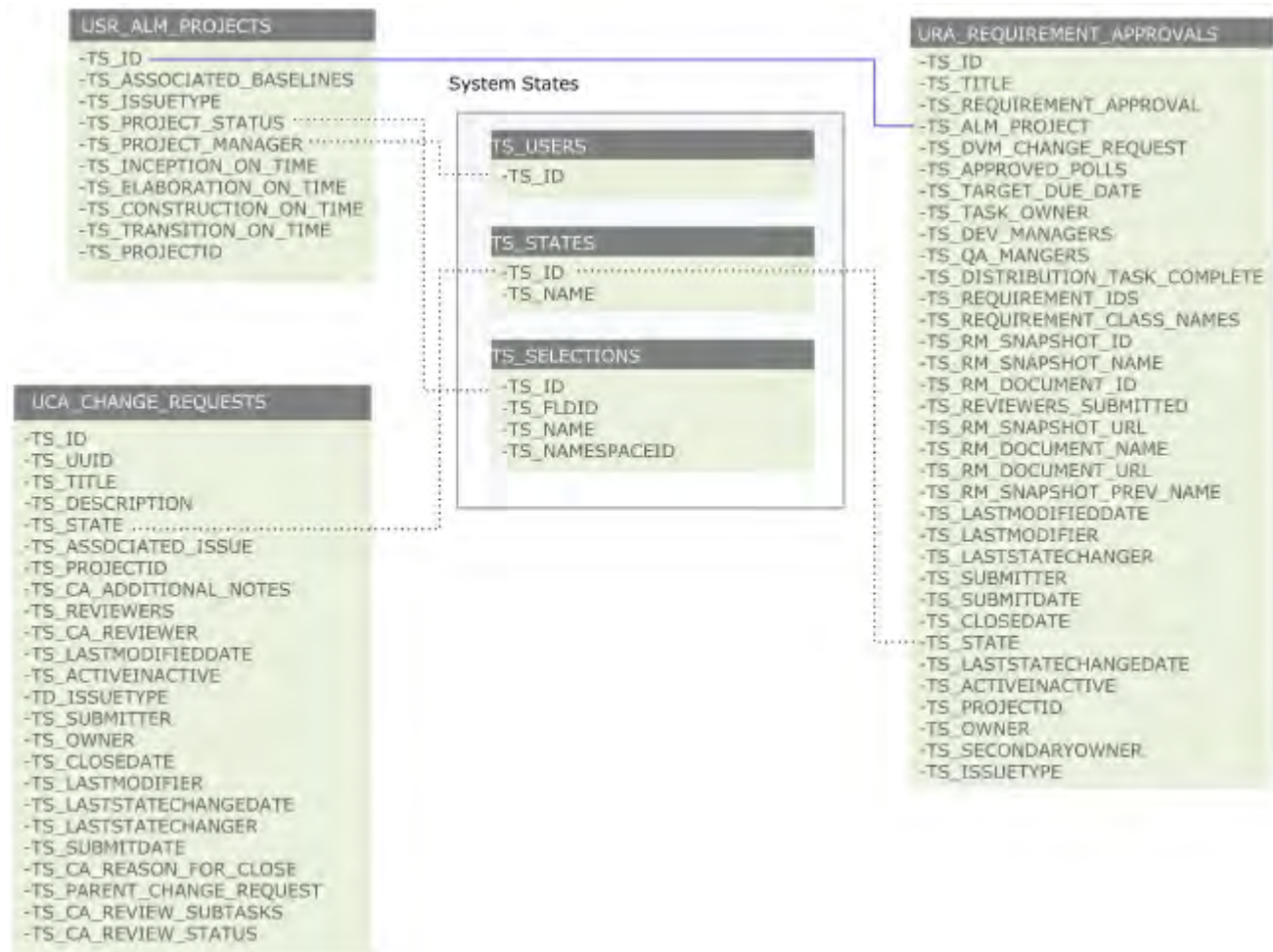
This data is aggregated into tables within several synonyms in WebFOCUS Developer Studio that the metrics can draw from as needed. These synonyms are collections of tables that represent data as it is stored in the database tables in Business Manager, Dimensions RM, and other data sources. All of the out-of-the-box metrics included with Serena Dashboard draw data from these synonyms. By using these synonyms, you do not need to interact directly with the databases for the data sources; the synonyms do the work of mapping metrics to the source data without requiring advanced knowledge of the source database schemas. For more on this, please see Understanding Synonyms [page 6].

Using This Content

To build your own metrics on Development Manager data, you can use the tables in these synonyms as well. This content is organized logically according to object type.

Synonym Overview

The following diagram illustrates the set of tables related to Requirements Manager that are available to you via the out-of-the-box Serena Dashboard synonyms.



By opening and displaying the WebFOCUS synonyms directly, you can review all of the many fields available to you as you build new metrics using the out-of-the-box Serena Dashboard synonyms. For more on working directly with Serena Dashboard synonyms, see Displaying Serena Dashboard Synonyms [page 7].

Requirement Approvals

Data on requirement approval objects are stored in the UCA_CHANGE_REQUEST table.

Out-of-Box Usage

The UCA_CHANGE_REQUEST table provides information on requirement approvals to any metrics that reports on requirement approval status. This includes the Requirement Approval Status Distribution Across Projects and Average Requirement Approval Iteration Count Across Projects metrics.

Object Reference

UCA_CHANGE_REQUESTS

Description

The UCA_CHANGE_REQUESTS table stores data on requirement approvals in Serena Requirements Manager. All metrics that display information about requirement approvals draw data from this table.

Source

SBM

Fields

- TS_ID
Requirement approval ID.
- UUID
Unique identifier for the requirement approval.
- TS_TITLE
Requirement approval title.
- TS_DESCRIPTION
Requirement approval description.
- TS_STATE
Current state of the approval.
- TS_ASSOCIATED_ISSUE
ID of issue related to the approval.
- TS_PROJECT_ID
ID of associated ALM project.
- TS_CA_ADDITIONAL_NOTES
Additional comments in the approval.
- TS_REVIEWERS
Requirement approval reviewers.
- TS_CA_REVIEWER
- TS_LASTMODIFIEDDATE
Date when the approval was last updated.
- TS_ACTIVEINACTIVE
Whether the approval is active or inactive.
- TS_ISSUETYPE
Type of approval.

- TS_SUBMITTER
Submitter of the approval.
- TS_OWNER
Owner of the approval.
- TS_CLOSEDATE
Close date for the approval.
- TS_LASTMODIFIER
User that last modified the approval.
- TS_LASTSTATECHANGEDATE
Date of the last change to a state.
- TS_LASTSTATECHANGER
User that last changed a state.
- TS_SECONDARYOWNER
Secondary owner of the approval.
- TS_SUBMITDATE
When the approval was submitted.
- TS_CA_REASON_FOR_CLOSE
Reason for closing the approval.
- TS_CA_PARENT_CHANGE_REQUEST
- TS_CA_REVIEW_SUBTASKS
- TS_CS_REVIEW_STATUS

System Data

System data tables provide unique identifiers for a variety of object types. These tables are used by various synonyms to supply the identifiers for these objects to metrics.

Object Reference

The following topics describe the system data tables.

TS_STATES

Description

Data about workflow states.

Source

SBM schema.

Fields

- TS_ID
State ID.
- TS_NAME
State name.

TS_SELECTIONS

Description

Provides IDs for various objects.

Source

SBM schema.

Fields

- TS_ID
Object ID.
- TS_FLDID
- TS_NAME
Object name.
- TS_NAMESPACEID

TS_USERS

Description

Provides information on users.

Source

SBM schema.

Fields

- TS_ID
User IDs.

Approval Ballots

Data on approval ballots (how users choose to vote on requirement approvals) is stored in the URA_REQUIREMENTS_APPROVALS table.

Out-of-Box Usage

Data from the URA_REQUIREMENTS_APPROVALS table is used in metrics that display approval status, such as Requirement Approval Distribution for a Project, or Requirement Approval Distribution Across Projects.

Object Reference

You can use the columns in this table to build your own metrics on development package data.

URA_REQUIREMENT_APPROVALS

Description

Stores data on approval ballots.

Source

SBM

Fields

- `TS_ID`
Approval ballot ID.
- `TS_TITLE`
Title of the approval ballot.
- `TS_REQUIREMENT_APPROVAL (id)`
Identifier for the approval ballot.
- `TS_ALM_PROJECT`
Associated ALM project.
- `TS_DVM_CHANGE_REQUEST`
Associated change request from Development Manager.
- `TS_TARGET_DUE_DATE`
Target due date for the ballot.
- `TS_DEV MANAGERS`
Development managers assigned to the ballot.
- `TS_QA MANAGERS`
QA managers assigned to the ballot.
- `TS_DISTRIBUTION_TASK_COMPLETE`
- `TS_REQUIREMENT_IDS`
IDs of the requirements to be approved.
- `TS_REQUIREMENT_CLASS_NAMES`
- `TS_RM_SNAPSHOT_ID`
ID of the snapshot in Dimensions RM.
- `TS_RM_SNAPSHOT_NAME`
Name of the snapshot in Dimensions RM.
- `TS_RM_DOCUMENT_ID`
ID of the requirements document in Dimensions RM.
- `TS_REVIEWERS_SUBMITTED`
- `TS_RM_SNAPSHOT_URL`
URL to the Dimensions RM snapshot.
- `TS_RM_DOCUMENT_NAME`
Name of the requirements document in Dimensions RM.

- `TS_RM_DOCUMENT_URL`
URL to the requirements document in Dimensions RM.
- `TS_RM_SNAPSHOT_PREV_NAME`
Previous name of the Dimensions RM snapshot.
- `TS_LASTMODIFIEDDATE`
Last modified date of the approval ballot.
- `TS_LASTMODIFIER`
User who last modified the approval ballot.
- `TS_LASTSTATECHANGER`
User who last changed the state of the approval ballot.
- `TS_SUBMITTER`
User who submitted the approval ballot.
- `TS_SUBMITDATE`
Date when the approval ballot was submitted.
- `TS_CLOSEDATE`
Date when the approval ballot was closed.
- `TS_STATE`
Current state of the approval ballot.
- `TS_LASTSTATECHANGEDATE`
Date when the state was last changed.
- `TS_ACTIVEINACTIVE`
- `TS_PROJECTID`
ID of the ALM project (as stored in the `USR_ALM_PROJECTS` table).
- `TS_OWNER`
Owner of the approval ballot.
- `TS_SECONDARYOWNER`
Secondary owner of the approval ballot.
- `TS_ISSUETYPE`
- `TS_APPROVED_POLLS`

Projects

Data on development projects is stored in the `USR_ALM_PROJECTS` table, which is used by several synonyms that provide project data to various metrics.

Out-of-Box Usage

All out of box metrics that display information on a project by project basis, such as Requirements Approval Status Distribution Across Projects, pull data from the `USR_ALM_PROJECTS` table.

Object Reference

USR_ALM_PROJECTS

Description

Stores data about projects from the ALM Projects process app.

Source

SBM schema.

Fields

- **TS_ID**
Stores the project ID.
- **TS_ASSOCIATED_BASELINES**
Associated baselines.
- **TS_ISSUETYPE**
Project type, such as Innovation or Operational.
- **TS_PROJECT_STATUS**
Current project status.
- **TS_PROJECT_MANAGER**
User who is the project manager.
- **TS_INCEPTION_ON_TIME**
Whether the Inception phase is currently on-time.
- **TS_ELABORATION_ON_TIME**
Whether the Elaboration phase is currently on-time.
- **TS_CONSTRUCTION_ON_TIME**
Whether the Construction phase is currently on-time.
- **TS_TRANSITION_ON_TIME**
Whether the Transition phase is currently on-time.
- **TS_PROJECTID**
Unique identifier for the project.

ChangeMan ZMF Metric Data Reference

[Introduction \[page 33\]](#)

[Table Overview \[page 41\]](#)

[List of All ZMF Objects \[page 42\]](#)

[ZMF Servers \[page 42\]](#)

[ZMF Dates \[page 43\]](#)

[ZMF Subsystems \[page 43\]](#)

[ZMF Apps \[page 44\]](#)

[ZMF Packages \[page 44\]](#)

Introduction

Review these topics before you get started learning about the ChangeMan ZMF data abstraction used by Serena Dashboard.

Representing Data with Synonyms

ChangeMan ZMF data (on packages, servers, subsystems, etc.) is aggregated into tables within several synonyms in WebFOCUS Developer Studio. The Serena Dashboard metrics can then draw from these synonyms as needed. These synonyms are collections of tables that represent data as it is exposed via ChangeMan ZMF XML API. All of the out-of-the-box metrics included with Serena Dashboard draw data from these synonyms. By using these synonyms, you do not need to interact directly with ZMF; the synonyms do the work of mapping metrics to the source data without requiring advanced knowledge of the source database schemas. For more on this, please see Understanding Synonyms [page 6].

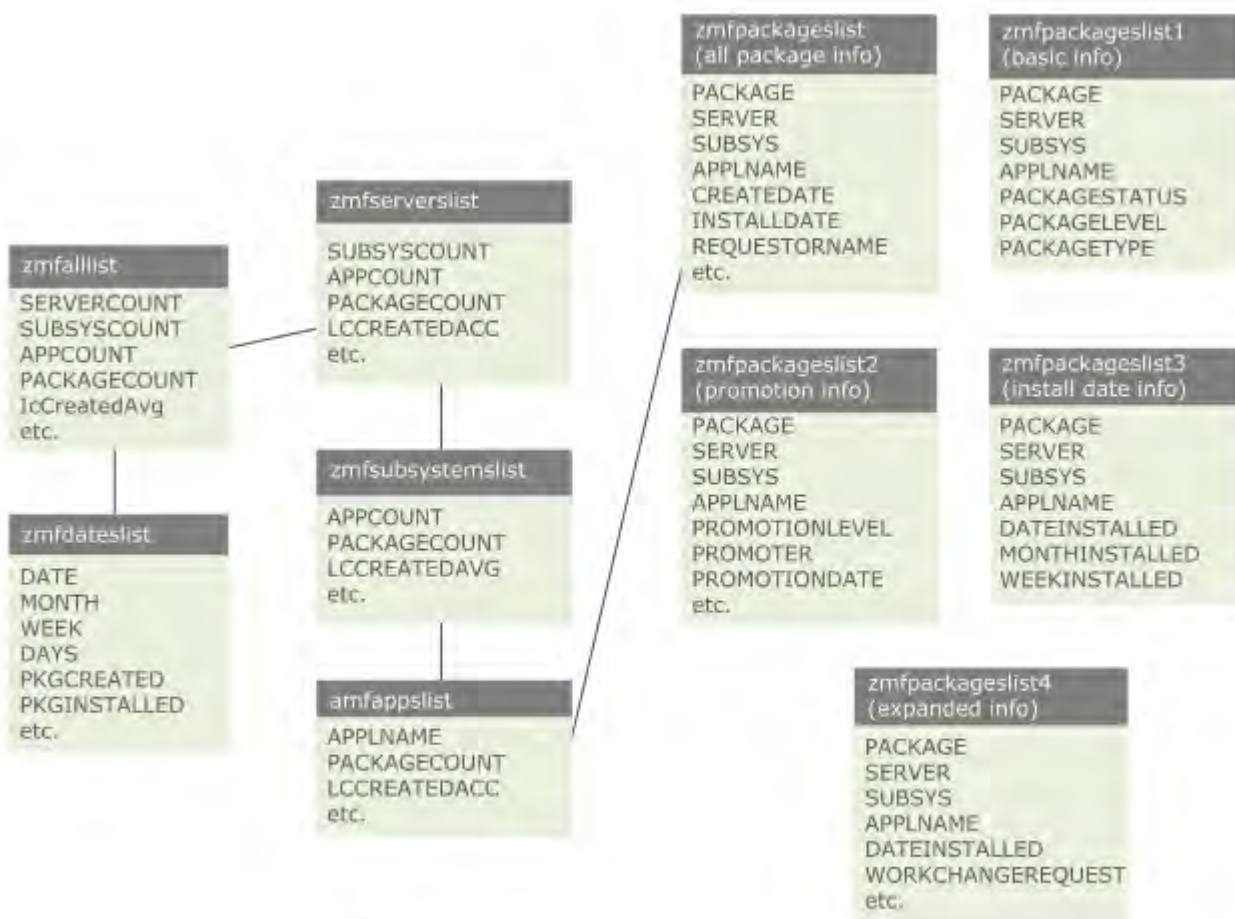
Uniquely to the ChangeMan ZMF metrics within Serena Dashboard, all of the data is stored in local XML files that are mapped, one to one, to the synonyms in WebFocus. These XML files can be refreshed as needed with new data from ChangeMan ZMF. In this way, the ZMF data is essentially cached in local files; The synonyms from which the Dashboard metrics are generated never directly interact with ChangeMan ZMF. This in turn improves performance. When you add ChangeMan ZMF data sources in Serena Dashboard, you determine how frequently the data should be refreshed.

Using This Content

To build your own metrics on ChangeMan ZMF data, you can use the tables in these synonyms as well. This content is organized logically according to object type.

Table Overview

The following diagram illustrates the set of tables related to ChangeMan ZMF that are available to you via the out-of-the-box Serena Dashboard synonyms.



By opening and displaying the WebFOCUS synonyms directly, you can review all of the many fields available to you as you build new metrics using the out-of-the-box Serena Dashboard synonyms. For more on working directly with Serena Dashboard synonyms, see Displaying Serena Dashboard Synonyms [page 7].

List of All ZMF Objects

High level data on all ZMF objects including a count of servers, subsystems, applications, and packages is stored in the zmfalldata synonym. This synonym is used by the All Packages Average Lifecycle metrics.

Object Reference

Description

The zmfalldata synonym stores summary data on ZMF objects across the implementation.

Source

ZMF

Fields

- SERVERCOUNT
Number of ZMF servers in the implementation.
- SUBSYSCOUNT
Number of ZMF sub-systems in the entire implementation.
- APPCOUNT
Number of applications in the entire implementation.
- PACKAGECOUNT
Number of packages in the implementation.

Many more fields are available as well, including ICCREATEDACC, ICCREATEDCOUNT, ICFROZENACC, ICFROZENCOUNT.

ZMF Servers

High level data about ZMF servers is stored in the zmfserverlist synonym.

Object Reference

Description

The zmfserverlist synonym contains data about specific ZMF servers.

Source

ZMF.

Fields

- SUBSYSCOUNT
Number of subsystems on the server.
- APPCOUNT
Number of applications on the server.
- PACKAGECOUNT
Number of packages on the server.

Many more fields are available as well, including LCCREATEDACC, LCCREATEDCOUNT, LCCREATEDAVG, LCFROZENACC, LCFROZENCOUNT.

ZMF Dates

Date information that can be mapped to ZMF objects is stored independently in the zmfdateslist synonym. This synonym is used by the All Packages Installed and All Packages Scheduled metrics.

Object Reference

Description

The zmfdateslist synonym stores date information for ZMF objects.

Source

ZMF

Fields

- DATE
A date, in the format YYYY-MM-DD.
- MONTH
A month, in the format YYYY-DD.
- WEEK
A week, in the format YYYY-MM-DD
- DAYS
A week, in the format YYYY-MM-DD

ZMF Subsystems

Data on ZMF Subsystems is stored in the zmfsubsystemslist synonym.

Object Reference

Description

The zmfsubsystemslist synonym stores data about ZMF subsystems.

Source

ZMF

Fields

- SUBSYS
Subsystem ID.
- APPCOUNT
Number of applications in the sub system.

- `PACKAGECOUNT`
Number of packages in the subsystem.

Other fields include `LCCREATEDACC`, `LCCREATEDCOUNT`, `LCCREATEDAVG`, `LCFROZENACC`, and more.

ZMF Apps

Data on ZMF applications is stored in the `zmfappslist` synonym. This synonym is used by the All Applications by Instance, Application Average Lifecycle, and Instance Packages Average Lifecycle metrics.

Object Reference

Description

The `zmfappslist` synonym stores data about ZMF applications.

Source

ZMF

Fields

- `SUBSYS`
Subsystem ID.
- `APPLNAME`
Application name.
- `PACKAGECOUNT`
Number of packages in the application.

Other fields include `LCCREATEDACC`, `LCCREATEDCOUNT`, `LCCREATEDAVG`, `LCFROZENACC`, and more.

ZMF Packages

Data on ZMF Subsystems is stored in a number of `zmfpackageslist` synonyms. Each synonym stores unique information on the packages. These synonyms include:

- `zmfpackageslist`: Stores all data about ZMF packages. This synonym is used by the All Packages by Application metric.
- `zmfpackageslist1`: Stores basic data about ZMF packages, and is used by several metrics that display basic package information. This synonym is used by the All Packages by Level, All Packages by Status, All Packages by Type, Application Packages by Status, Instance Packages by Application, and Status Packages by Instance metrics.
- `zmfpackageslist2`: stores promotion information about ZMF packages.
- `zmfpackageslist3`: stores installation date information about ZMF packages.
- `zmfpackageslist4`: stores expanded information about ZMF packages. This synonym is used by the Application Packages by Status and Application Packages metrics.
- `ZMFAIList2`: Lists key value pairs that store the total number of packages at specific lifecycle states.

Object Reference

zmfpackageslist

Description

The zmfpackageslist synonym stores all data about ZMF packages.

Source

ZMF

Fields

- `PACKAGE`
Name of the package.
- `SERVER`
Server the package belongs to.
- `SUBSYS`
Subsystem the package belongs to.
- `APPLNAME`
Application the package belongs to.
- `REQUESTORNAME`
User that requested the package.

zmfpackageslist1

Description

The zmfpackageslist1 synonym Stores basic data about ZMF packages.

Source

SBM schema.

Fields

- `PACKAGE`
Name of the package.
- `SERVER`
Server the package belongs to.
- `SUBSYS`
Subsystem the package belongs to.
- `APPLNAME`
Application the package belongs to.

- `PACKAGESTATUS`
Current status of the package.
- `PACKAGELEVEL`
Package level.
- `PACKAGETYPE`
Type of package.

zmfpackageslist2

Description

The `zmfpackageslist2` synonym stores promotion information about ZMF packages.

Source

ZMF.

Fields

- `PACKAGE`
Name of the package.
- `SERVER`
Server the package belongs to.
- `SUBSYS`
Subsystem the package belongs to.
- `APPLNAME`
Application the package belongs to.
- `PROMOTIONLEVEL`
Promotion level of the package.
- `PROMOTER`
User that promoted the package.
- `PROMOTIONDATE`
Date that the package was promoted.

zmfpackageslist3

Description

The `zmfpackageslist3` synonym stores installation date information about ZMF packages.

Source

SBM schema.

Fields

- `PACKAGE`
Name of the package.
- `SERVER`
Server the package belongs to.
- `SUBSYS`
Subsystem the package belongs to.
- `APPLNAME`
Application the package belongs to.
- `DATEINSTALLED`
Date the package was installed.
- `MONTHINSTALLED`
Month that the package was installed.
- `WEEKINSTALLED`
Week that the package was installed.

zmfpackageslist4**Description**

The zmfpackageslist4 synonym stores expanded information about ZMF packages.

Source

ZMF

Fields

- `PACKAGE`
Name of the package.
- `SERVER`
Server the package belongs to.
- `SUBSYS`
Subsystem the package belongs to.
- `APPLNAME`
Application the package belongs to.
- `DATEINSTALLED`
Date the package was installed.
- `WORKCHANGEREQUEST`
Change request that lead to creation of the package.

ZMFAILList2

Description

The ZMFAILList2 synonym lists key value pairs that store the total number of packages at specific lifecycle states.

Source

ZMF

Fields

- KEY
Name of the lifecycle state, for example Approved.
- VALUE
Number of packages in the state.

ZMF Component Builds

ZMF Component Builds

Data on ZMF component builds is stored in the ZMFCompBuildsList synonym. This synonym stores unique information on components builds over the previous year. The information includes the date, time, and month of the build, the build application, the build package, the user who performed the build, and the type of build.

Object Reference

ZMFCompBuildsList

Description

The ZMFCompBuildsList synonym stores data on ZMF component builds executed during the previous year.

Source

ZMF

Fields

- DATE
Date of the build.
- TIME
Time of the build.
- MONTH
Month of the build.
- SUBSYS
The build instance.
- APP
The build application.

- **PACKAGE**
The build package.
- **USER**
The user who performed the build.
- **BTYPE**
The build type.
- **COMP**
The component that was built.

ZMF Log Events

ZMF Log Events

Data on ZMF log events is stored in a number of synonyms. Each synonym stores unique information on the log events. These synonyms include:

- **ZMFLogAppsDates**: Stores summary data on the number of ZMF log events on each date, by application.
- **ZMFLogAppsList**: Stores summary data on the number of log events for each application.
- **ZMFLogDates**: Stores summary data on the number of log events on each date.
- **ZMFLogList**: Lists all log events from the previous year.
- **ZMFLogPackagesDates**: Stores summary data on the number of log events on each date, by package.
- **ZMFLogPackagesList**: Stores summary data on the number of log events for each package.
- **ZMFLogTypesDates**: Stores summary data on the number of log events for each type of event, by date.
- **ZMFLogTypesList**: Stores summary data on the number of log events for each type of event.
- **ZMFLogUsersDates**: Stores summary data on the number of log events for each user, by date.
- **ZMFLogUsersList**: Stores summary data on the number of log events for each user.

Object Reference

ZMFLogAppsDates

Description

The ZMFLogAppsDates synonym stores summary data on the number of ZMF log events on each date, by application.

Source

ZMF

Fields

- **DATE**
Event date.
- **MONTH**
Event month.

- APP
Application for the events.
- COUNT
Total number of events that match the date and application.

ZMFLogAppsList

Description

The ZMFLogAppsList synonym stores summary data on the number of log events for each application.

Source

ZMF

Fields

- APP
Application for the events.
- COUNT
Total number of log events.

ZMFLogDates

Description

The ZMFLogDates synonym stores summary data on the number of log events on each date.

Source

ZMF

Fields

- DATE
Event date.
- MONTH
Event month.
- DAYS
Number of days that have passed since the event.
- COUNT
Total number of events that match the date and application.

ZMFLogList

Description

The ZMFLogList synonym lists all log events from the previous year.

Source

ZMF

Fields

- DATE
Event date.
- TIME
Event time.
- SUBSYS
ZMF instance for the event.
- TYPE
Integer value representing the event type.
- TYPESTR
Name of the event type.
- USER
User who performed the event.
- PACKAGE
Event package.
- APP
Event application.
- DESC
Event description.

ZMFLogPackagesDates

Description

The ZMFLogPackagesDates synonym stores summary data on the number of log events on each date, by package.

Source

ZMF

Fields

- DATE
Event date.

- MONTH
Event month.
- PACKAGE
Event package.
- COUNT
Total number of events that match the date and package.

ZMFLogPackagesList

Description

The ZMFLogPackagesList synonym stores summary data on the number of log events for each package.

Source

ZMF

Fields

- PACKAGE
Name of the package.
- COUNT
Number of log events.

ZMFLogTypesDates

Description

The ZMFLogTypesDates synonym stores summary data on the number of log events for each type of event, by date.

Source

ZMF

Fields

- DATE
Event date.
- MONTH
Event month.
- TYPE
Integer value representing event type.
- TYPESR
Name of the event type.

- COUNT
Total number of events that match the date and type.

ZMFLogTypesList

Description

The ZMFLogTypesList stores summary data on the number of log events for each type of event.

Source

ZMF

Fields

- TYPE
Integer value representing event type.
- TYPESTR
Name of the event type.
- COUNT
Number of log events.

ZMFLogUsersDates

Description

The ZMFLogUsersDates synonym stores summary data on the number of log events for each user, by date.

Source

ZMF

Fields

- DATE
Event date.
- MONTH
Event month.
- USER
Event user.
- COUNT
Total number of events that match the date and the user.

ZMFLogUsersList

Description

The ZMFLogUsersList stores summary data on the number of log events for each user.

Source

ZMF

Fields

- USER
Event user.
- COUNT
Number of events.