

Security - Oracle ERP Cloud

Sending Rates

FXLoader sends rates by calling a web service provided by Oracle ERP Cloud, which requires a username and password. The user must exist in Oracle ERP Cloud and have the roles needed to create Daily Rates.

When

The user must be created in Oracle ERP Cloud before setting up the Instance in FXLoader.

Oracle ERP Cloud User Requirements

For loading to test instances, you can use an existing user. Any user with the role General Accounting Manager will work.

For loading to production, we recommend creating a new user which only has the ability to create Daily Rates.

The Privileges needed are:

Privilege Name	Privilege Code
Access FSCM Integration Rest Service	FUN_FSCM_REST_SERVICE_ACCESS_INTEGRATION_PRIV
Load File to Interface	FUN_FSCM_FILE_TO_INTERFACE_PRIV
Load Interface File for Import	FUN_FSCM_LOAD_INTERFACES_PRIV
Manage File Import and Export	FND_MANAGE_FILE_IMPORT_AND_EXPORT_PRIV
Transfer File	FUN_FSCM_TRANSFER_FILE_PRIV
Define Conversion Rate Type*	GL_SET_UP_CURRENCY_CONVERSION_RATE_TYPE_PRIV
Maintain Daily Conversion Rate*	GL_MAINTAIN_DAILY_CURRENCY_CONVERSION_RATE_PRIV
Run Daily Rates Import and Calculation Program*	GL_RUN_DAILY_RATES_IMPORT_AND_CALCULATION_PROGRAM_PRIV
View Daily Conversion Rate*	GL_VIEW_DAILY_CURRENCY_CONVERSION_RATE_PRIV

You will need to create a new Job Role to contain these privileges. They can be added individually, or by selecting the following roles:

Role Name	Role Code
FSCM Load Interface Administration	ORA_FUN_FSCM_LOAD_INTERFACE_ADMIN_DUTY
Daily Rates Administration Duty*	GL_DAILY_RATES_MANAGEMENT_DUTY

* Some environments do not have the role 'Daily Rates Administration Duty', so you will need to add the four privileges it contains, marked above, manually if you can't find it. IF you can't find these privileges, you may need to run the 'Import User and Role Application Security Data' job first.

The user may also need the Employee role (code PER_EMPLOYEE_ABSTRACT) in order to submit ESS requests, but not all environments report needing this.

Note that the Oracle web services do not currently support SSO (Single Sign On). So if you have SSO enabled, the user will either need to be non-SSO, or if you set them up

as SSO you will need to set the password explicitly in Oracle ERP Cloud and use the username listed there.

Create and Assign the New Role

The following are example steps to create a new role for FXLoader and assign it to your user, using the Security Console in Oracle ERP Cloud.

- Click Create Role and enter:

Role Name: FXLoader Rates

Role Code: FXLOADER_RATES

Role Category: Financials – Job Roles

- Click Next and enter Function Security Policies:

The quickest way is to click Add Function Security Policy and search for the following two roles, to add the Privileges from them:

FSCM Load Interface Administration

Daily Rates Administration Duty

- Click Next to the end and Save – no Data Policies are needed.
- Create a new User and add only this new role.

Password Expiry

If your policies allow the password to be set to never expire, this can be done in Oracle ERP Cloud – see My Oracle Support document ‘How To Extend Password Expiration Date for Integration User Accounts (Doc ID 2394923.1)’.

If not, we recommend you set a reminder to change the password before it expires, which can be done in Oracle or independently. It will need to be changed in Oracle ERP Cloud and updated in FXLoader. There are separate instructions for updating the password in FXLoader, or our support team can do it on request.

If the password does expire, the next FXLoader run will fail with a message indicating a problem with the username or password. Our support team will act on this notification and help you resolve it.

Password Storage

The ERP Cloud username and password are entered against the Instance in the FXLoader Cloud Service. These are stored and used in the call to the Oracle web service (ERPIntegrationService) in Oracle ERP Cloud.

At this point, Oracle does not provide any alternative ways to authenticate their web services.

The following security applies to the password entered against the Instance:

- The password field is never displayed, and the type of field used means it is never stored in session state.
- The password is encrypted in the database using DBMS_CRYPTO with AES256 encryption.
- Best practices for storage are used, including separate randomly generated keys and schema separation.