

SQLPlus Script Runner Plugin

Plugin Information

View SQLPlus Script Runner [on the plugin site](#) for more information.

This plugin enables you run [Oracle SQL*Plus](#) scripts on your Jenkins jobs (user defined scripts or a script inside a workspace).

Releases

- **1.x** - For Jenkins 1.x
- **2.x** - For mainly Jenkins 2.x, credentials plugins implemented and pipeline support

Migration Guide

To migrate your workspace from version 2 is very simple, all you need to do is:

1. Create a credential for your user and password;
2. Edit you job configuration and select one credential;
3. Save your changes and you are good to go!

Summary

This plugin enables you run Oracle SQL*Plus scripts on your Jenkins jobs (*Oracle SQL*Plus installation required!*).

Configuration

Global

All you have to do is check the auto detect ORACLE_HOME option (or a valid *ORACLE_HOME*) and you are in business:

SQLPlus Script Runner

Debug info



Enable debug mode to show a lot of information about SQL*Plus and your files.

(from [SQLPlus Script Runner](#))

Hide SQLPlus Version



SQLPlus version enabled helps detecting SQLPlus installation problems. If your environment is fine, you can check this option.

(from [SQLPlus Script Runner](#))

Try to detect ORACLE_HOME



Try to detect ORACLE_HOME from system environment.

(from [SQLPlus Script Runner](#))

Set global ORACLE_HOME



ORACLE_HOME refers to either a directory where the Oracle software is installed or an environment variable pointing to the directory where the Oracle software is installed. [Source: ORAFAQ](#)

(from [SQLPlus Script Runner](#))

Set global SQL*Plus location (sqlplus.exe or sqlplus)



O SQLPlus Home refers to where Oracle software SQL*Plus file is.

(from [SQLPlus Script Runner](#))

Set global TNS_ADMIN



TNS_ADMIN refers to either a directory where sqlnet.ora and tnsnames.ora files from Oracle SQL*Net are installed or an environment variable pointing to the directory where the Oracle software is installed. [Fonte: ORAFAQ](#)

(from [SQLPlus Script Runner](#))

If you are having problems try to enable *Debug info* to see what is going on.

By Job

You can run a script inside your workspace or a user defined for every job:

Version 1.x:

SQLPlus Script Runner

user

password

instance

Script Type to run **User Defined Script** ▼

File Script

This is the name of SQL script, expected at *src/main/resources* folder.
 Example:
update.sql or **sql/update.sql** (from [SQLPlus Script Runner](#))

User Defined Script

```
SELECT * from v$version;
show user;
```

Custom ORACLE_HOME

Using custom ORACLE_HOME will override global ORACLE_HOME. Leave this field blank to use global ORACLE_HOME.
 ORACLE_HOME refers to either a directory where the Oracle software is installed or an environment variable pointing to the directory where the Oracle software is installed. [Source: ORAFAQ](#) (from [SQLPlus Script Runner](#))

Version 2.x :

SQLPlus Script Runner

Credentials

instance

Script Type to run **User Defined Script** ▼

File Script

User Defined Script

```
select * from all_users;
```

Custom ORACLE_HOME

Custom SQL*Plus location (sqlplus.exe or sqlplus)

Custom TNS_ADMIN

Environment variables

Pay attention to what version you are using in order to work with variables:

| variable | Version 1.x | Version 2.x |
|----------|-------------|--------------------------------|
| user | ok | <i>replaced by credentials</i> |
| password | ok | <i>replaced by credentials</i> |
| instance | ok | ok |

You can use global variables for **user** and **instance**, first creating it in *Jenkins configuration* :

Global properties

Tool Locations

Environment variables

List of key-value pairs

name

value

name

value

Your *user* global variable can hold **username and password** as well like this (*username/password*):

name

value

And then using it:

Build

SQLPlus Script Runner

user

password

instance

Running

You can check later all SQL*Plus output inside your build output:

```
-----  
Running script src/test/resources/script.sql on minhasmoedas/*****@ora  
-----  
  
SQL*Plus: Release 12.1.0.1.0 Production on Wed Jul 22 01:44:42 2015  
  
Copyright (c) 1982, 2013, Oracle. All rights reserved.  
  
Last Successful login time: Wed Jul 22 2015 01:42:04 -03:00  
  
Connected to:  
Oracle Database 12c Enterprise Edition Release 12.1.0.1.0 - 64bit Production  
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options  
  
-----  
USERNAME  
-----  
MINHASMOEDAS_PROD  
MINHASMOEDAS_ACEITE  
SONAR  
MINHASMOEDAS  
FB  
SCOTT  
OE  
PM  
SH  
IX  
HR
```

Pipeline

User defined script

```
node {  
    echo 'SQLPlusRunner running user define script for system@xe'  
  
    step([class: 'SQLPlusRunnerBuilder', credentialsId: 'system',
```

```
instance:'xe',scriptType:'userDefined', script: '',scriptContent:
'select * from v$version'])
}
```

File script

```
node {
    echo 'SQLPlusRunner running file script for system@xe'

    step([$class: 'SQLPlusRunnerBuilder',credentialsId:'system',
instance:'xe',scriptType:'file', script: 'start.sql',scriptContent: ''])
}
```

Optional pipeline parameters

- customOracleHome
- customSQLPlusHome
- customTNSAdmin

Download the last release and give it a try!

Reported problems

my script takes forever to execute...

Windows users sometimes get a running script stuck on build, even though they run everything on Oracle.

In that case you should use [Build Time Out plugin](#) together to get everything working fine.

I have an error ORA-????

You should try running manually SQL*Plus before use Jenkins.

Sometimes on *Linux* Jenkins has his **own** Operation System user with his own variables.

Every time I get this error: *cannot find sqlplus*

Jenkins plugin can't find SQL*Plus executable file.

You should do in this order:

1. Stop Jenkins;
2. Find where are *sqlplus executable* file (usually at `$ORACLE_HOME`);
3. Check if they have proper permissions (*chmod 755 **);
4. Create a global environment variable `ORACLE_HOME` like this:
`export ORACLE_HOME=/oracle/app/oracle/product/12.1.0/dbhome_1/` or `export ORACLE_HOME=<your-sqlplus-directory>`
5. Test your environment with: `sqlplus -v`, should return **SQL*Plus version like SQL*Plus: Release 12.1.0.1.0 Production**
6. Start Jenkins;
7. Use the try to detect `ORACLE_HOME` option;
8. Retry your SQL*Plus operation.

Every time I get this error: *libsqplus.so: cannot open shared object file: No such file or directory* or *SP2-0667: Message file sp1.msb not found*

SQL*Plus need its library and its message file to work properly.

You should do in this order:

1. Stop Jenkins;
2. Find where are *libsqplus.so* files (usually at `$ORACLE_HOME/lib`);
3. Check if they have proper permissions (*chmod 755 **);
4. Create a global environment variable `LD_LIBRARY_PATH` like this:
`export LD_LIBRARY_PATH=$ORACLE_HOME/lib:$LD_LIBRARY_PATH` or `export LD_LIBRARY_PATH=<your-libsqplus-directory>:$LD_LIBRARY_PATH`
5. Test your environment with: `sqlplus -v`, should return **SQL*Plus version like SQL*Plus: Release 12.1.0.1.0 Production**
6. Start Jenkins;
7. Use the try to detect `ORACLE_HOME` option;
8. Retry your SQL*Plus operation.

I want to hide my user / password from Console Output

1. Install [Mask Passwords Plugin](#);
2. Setup to hide everything you want.

I have a bug to report

Please [open a new issue](#) and inform:

- Jenkins server Operation System;
- Jenkins version ;
- Where SQLPlus Script Runner is running (*locally*/machine or *slave* machine);
- Slave machine Operation System (if applicable);
- Oracle Database version;
- Oracle SQL*Plus version;
- Build log with debug info enabled.