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**SIM**

**Version 2.0.2**

# **Installation Instructions**

(Guide to using the Database Server Installation Scripts)

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## A. Database Server Installation Scripts

Warning: The SIM 2.0.2 Database Server Installation Scripts are designed for users that are comfortable with Oracle and SQL-Plus (such as a Database Administrator). These scripts can be used as a more flexible alternative to the SIM 2.0.2 Setup program when you wish to create a SIM 2.0.2 database on an installation of Oracle other than the Personal Oracle Instance created by the STORET Setup program. SIM is a companion system to STORET and must be installed on an Oracle Instance that already has the STORET database installed (e.g. STORET and STORET1 schemas).

### System Requirements

**System Requirements:**

- ❑ Oracle 8.1.7 or higher DBMS
- ❑ STORET v2.0 database
- ❑ 64 MB RAM
- ❑ 400 MB free space on database server drive (for SIM tablespace files)

### Saving Configurations

If you currently have a previous version of a SIM database (e.g. SIM 2.0.1) installed on the Oracle Instance where you will be installing SIM 2.0.2., it is recommended that your users open the previous version of SIM and create copies of any Import Configurations they wish to keep (before installing this new version of SIM). They can then load these into SIM 2.0.2 once it is installed.

- Import Configurations for the example files provided with SIM do not need to be copied because they will be created as part of the new installation of SIM.
- Likewise, if upgrading directly from SIM v1.2 or earlier, existing import configurations cannot be saved and must be re-created manually in SIM v2.0.2.

### Uninstall Previous SIM Installations

If a previous copy of the SIM database is installed, it is strongly recommended that it be uninstalled at this time. This can be done with the Uninstall scripts provided with your previous version of SIM.

If the previous SIM Uninstall Script is no longer available, perform the following steps manually to remove SIM.

*Substitute the SIM username for <sim\_username>, SIM user role for <sim\_user\_role>, and SIM tablespace names for <sim\_data\_tablespace> and <sim\_index\_tablespace>:*

- Log into SQL-Plus as any user with full DBA rights.
- Issue the following commands:
  - *DROP USER <sim\_username> cascade;*
  - *DROP ROLE <sim\_user\_role>;*
  - *DROP TABLESPACE <sim\_data\_tablespace>;*
  - *DROP TABLESPACE <sim\_index\_tablespace>;*
- *Delete the SIM tablespace data files from your file system (e.g. sim201\_data.ora and sim201\_index.ora).*

## Installation Steps

1. Download and Save the SIM202\_ServerScripts.zip file.
2. Unzip the file into its own folder (e.g. C:\SIM202\_ServerScripts). You should now have a DBScripts, DBObjects, and Examples folder inside that folder.
3. Confirm that the STORET database has been setup and that Oracle is running.
4. Locate the config.bat file in the DBScripts folder and load it into a text editor so you can edit it. This file contains all the variables used by the installation script. You should take a look at each one and confirm that they are set correctly.

**NOTE: Any environment variable value that includes a space must be enclosed in double quotes. The following are examples of the correct format for values without spaces and with spaces respectively:**

```
SET DOCUMENT_IMPORT_PATH=C:\STORET\SIM202\Examples\Attachments
```

```
SET DOCUMENT_IMPORT_PATH="C:\STORET\SIM 202\Examples\Attachments"
```

The following is a summary of variables you may need to change.

**SQLPLUS\_PATH:** This is the path to the SQLPlus executable (sqlplus.exe) that should be used for this install. Remember to include a “\” at the end of the path.

**DOCUMENT\_IMPORT\_PATH:** This is the path (**on the database server**) where SIM should look to find any binary documents/image files referenced in a SIM import file. Setting this value incorrectly will have no effect on the installation (and it can be changed later via SIM). See the System Configuration Settings section of this document for more information. Copy the files in the Examples\Attachments folder over to a location accessible by your database server (and set the DOCUMENT\_IMPORT\_PATH to the location on the database server where these files are located).

**DATABASE:** This is the TNS Name for the Oracle Instance where the SIM202 Schema is to be created.

**DBA\_USER:** This is the user name of an Oracle user with DBA rights (e.g. system). This will be used when creating users, roles, tablespaces, etc.

**DBA\_PASSWORD:** This is the password for the DBA user above.

**SIM\_APP\_SCHEMA:** This is the schema that will be created for all SIM 202 objects

**SIM\_PASSWORD:** Password to use when creating the above schema/user

**STORUSER\_USER:** The user name of the account that will be used when logging into SIM202 and STORET (e.g. storuser). This user account must already be created and configured to use the copy of STORET that SIM will be working with. The installation will just set up any additional synonyms and privileges needed for SIM (beyond what is already set up for STORET).

**STORET\_USER:** The STORET schema/user that SIM should point to.

**STORET\_PASSWORD:** The password for the above user (e.g. sto2et)

**STORET1\_USER:** The STORET1 schema/user that SIM should point to.

**STORET1\_PASSWORD:** The password for the above user (e.g. sto2et1)

**STORET\_ROLE:** The name of the role (e.g. storet\_user) that SIM should use to get rights to the STORET schema

**STORET1\_ROLE:** The name of the role (e.g. storet1\_user) that SIM should use to get rights to the STORET1 schema

**CREATE\_SIM\_TABLESPACES:** Whether the two tablespaces (below) need to be created by this installation (i.e. YES) or whether they already exist (i.e. NO).

**INDEX\_TABLESPACE:** The tablespace name to use for any indexes created (e.g. sim202\_index)

**DATA\_TABLESPACE:** The tablespace name to use for any tables created (e.g. sim202\_data)

**TEMP\_TABLESPACE:** The temporary tablespace name to use (e.g. temporary\_data). This tablespace will never be created (and must already exist).

**INDEX\_TABLESPACE\_DATA\_FILE:** The path and file name (on the database server) of the INDEX tablespace file. This is ignored if CREATE\_SIM\_TABLESPACES=NO

**DATA\_TABLESPACE\_DATA\_FILE:** The path and file name (on the database server) of the DATA tablespace file. This is ignored if CREATE\_SIM\_TABLESPACES=NO

5. Save changes to the config.bat file. Do not run this .bat file (just edit it). It will be used by the setup\_sim.bat and remove\_sim.bat files.
6. Open a command prompt window (e.g. “Start | Programs | Accessories | Command Prompt” in Windows XP).
  - In order for the setup\_sim.bat file (and remove\_sim.bat) to run correctly, the current directory must be the directory where the batch file is located. The .bat file will not run properly by simply double-clicking on it from Windows Explorer, for example.
7. If a previous SIM 202 Installation is in place on this server, clean it out at this time.
  - From a command line make the “DBScripts\Uninstall” directory your current directory
    - i. For Example:
      1. type “C:” and hit enter
      2. type “cd C:\SIM202\_ServerScripts\DBScripts\Uninstall” and hit enter
  - Run the remove batch file by typing “remove\_sim.bat” and then hitting enter.
8. Run the SIM 2.0.2 setup script:
  - From a command line make the “DBScripts\Install” directory your current directory
    - i. For Example:
      1. type “C:” and hit enter
      2. type “cd C:\SIM202\_ServerScripts\DBScripts\Install” and hit enter
  - Run the setup batch file by typing “setup\_sim.bat” at the command line and then hitting enter.
  - After the script has completed, check the log files created in the Install folder to see if there were any errors.
  - If the error “UTL\_FILE\_DIR could not be set. See your Install Guide for assistance” occurs in SETUP\_SIM\_1.log, follow the instructions below.

In order for Oracle to read in attached documents, it must be given the proper permissions to the file system. The setup script attempts to modify Oracle’s SPFILE automatically. This process will fail if you are using Oracle 8i or not utilizing SPFILE in 9i. At this point you will need to manually modify Oracle’s ‘init.ora’ file. This can be done by opening the

parameter file and adding the following line to the end of the file:

```
UTL_FILE_DIR='*'
```

For a standard STORET install on Oracle 8i, this file is named “init.ora” and is found at ‘C:\oracle\ora81\admin\admin\sto2\STORET02\pfile’. If “init.ora” does not exist at the above path, simply search for “init\*.ora” on the database server. Now add the UTL\_FILE\_DIR parameter to the parameter file used by the instance of Oracle where SIM202 and STORET are found.

If an entry for UTL\_FILE\_DIR already exists, you can replace it with the line mentioned above. Now you must restart the database (or reboot the database server).

Once SIM has been installed, you should test whether this parameter has been set correctly by importing the “Example – Projects.txt” file provided with SIM. If you receive an error relating to the document/graphic image referenced in the import file then either UTL\_FILE\_DIR is not set correctly or the path set for DOCUMENT\_IMPORT\_PATH in the SIM\_CONFIG table is wrong.

If at a future date you need to remove SIM202 from your server, simply repeat step 7. The remove\_sim.bat file uses the same config.bat file so the uninstall will use the exact same settings that you used when installing SIM.

## **B. System Configuration Settings**

1. Start SIM by clicking the SIM shortcut.
2. On the menu go to Advanced and choose System Settings.
3. Make changes as needed to the following configuration items:

### **BUILD\_NUMBER**

Contains the Version and Build Number for the current installation of SIM. This setting is read-only in SIM.

### **DB\_OS\_WINDOWS**

This is a YES/NO value indicating whether your Oracle Database is installed on a computer running the Microsoft Windows Operating System.

### **DFLT\_ORG**

The Default Organization ID to use throughout the SIM application. This will not prohibit the user from selecting another valid organization if desired.

### **DOCUMENT\_IMPORT\_PATH**

Indicates the path where SIM should look to load documents and graphic images referenced (by name) in import files. Remember that this path is from the perspective of the Oracle Server machine and must be a location visible to it (because it's the Oracle server that will be importing the files into STORET).

Also, for Oracle to have access to this folder, an Oracle Initialization Parameter "utl\_file\_dir" must be set up to include this path. To allow Oracle file I/O access to any location set **utl\_file\_dir = '\*'** You can change Initialization Parameters using Oracle Enterprise Manager (as SYSDBA).

### **STORET\_HELP\_PATH**

The path where your STORET help files are located. The SIM v2.0.2 installer attempts to locate and set this path if possible.