Agile Product Lifecycle Management

Averify Release Notes

Release 9.3.6

E71160-01

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Averify is a scripting tool that performs an integrity check against the PLM database and reports on specific errors. Averify includes a check for missing indexes and inconsistent data stored in the various database tables. Averify only reports errors, and does not attempt to fix them or modify your database.

Running Averify and using the results to eliminate known errors is a prerequisite for diagnosing problems. Averify is not comprehensive, however, and finding no errors does not certify a database as perfect.

Requirements

- JRE 1.8

Downloading Averify

Averify can be downloaded from My Oracle Support (`https://support.oracle.com`). The software should be downloaded to your destination database server.

Extract the averify.zip file to a local drive. After Averify is extracted, all of the files are located in the following directories on the local drive:

```
\bin

\config

\lib

\logs

\META-INF

\scripts
```

The averify.properties File

The *averify.properties* file, located in the *\config* directory, contains a set of properties where you can specify database details. By default, the file does not contain user-supplied information. You must modify the *averify.properties* file to complete the destination database details, averify options, and email options. The destination database parameters contain information about the user and host details of the database you are checking. The Averify options contain information on which portions of the database you want to verify. The email options enable you to send the *averify.zip* file, containing the *averify.log* and *oracle_averify_report.log*, to a specific email address upon completion.

If you do not wish to change the *averify.properties* file each time you run Averify with different options, you can set the environment variable, PROPERTYFILE, with the full path to another *.properties* file. You can create multiple `.properties` files modified with the parameters you need for specific runs of Averify.

Destination Database Details

Parameter	Value Definition
`averify.dest.jdbc.url`	The JDBC connection string to the destination database. The format is `jdbc:oracle:thin:@<DESTINATION_DB_HOST_NAME>:<PORT>:<SID>` where `DESTINATION_DB_HOST_NAME` is the hostname of the destination database, PORT is the listener port of the destination database (1521 is the default), and SID is the database instance.
`averify.dest.jdbc.driver`	The database driver of the destination database. The default is `oracle.jdbc.driver.OracleDriver`.
`averify.dest.tns.name`	The TNS entry name in the Oracle Home of the destination database.
`averify.dest.oracle.home`	The Oracle Home of the destination database. This value can be a mapped drive on the system where Averify is run on the host machine. Note: Use either double back slashes or a forward slash for directory separation, for example, **`d:/oracle/ora92`**.

NLS Language Details

Parameter	Value Definition
`averify.nls.lang`	Specifies the NLS parameter value used by the database. The default value is `AMERICAN_AMERICA.AL32UTF8`.

Averify Details (For Agile PLM 9.x Databases Only)

Parameter	Value Definition
`averify.runOption`	Specifies how you want Averify to check the database. The values are **all**, **modules**, **resetflags**, **tables**, and **testcases**. Note: Only one option can be specified for this parameter.

Parameter	Value Definition
averify.modules	Specific modules chosen for averify to check. This parameter is only used if you selected **modules** as the value of the runOption parameter. Note: You can check tables that are not specific to the Agile database with the **checkNonAgileTables** module.
averify.testcases	Specific testcases chosen for Averify to check. This parameter is only used if you entered **testcases** as the value of the runOption parameter.
averify.tables	Specific database tables chosen for Averify to check. This parameter is only used if you entered **tables** as the value of the runOption parameter.

An example of how the averify details work is as follows:

```
averify.runOptions=modules
averify.modules=ppm, pc, pqm, XXXX
averify.testcases=AGIL-0000XXXXXX
```

Because the specified runOption parameter is **modules**, the testcases parameter is ignored when averify is run.

Email Options

Parameter	Value Definition
averify.email	Decides if the *averify.zip file*, containing the *averify.log* and *oracle_averify_report.log*, is sent as an email attachment upon completion. Value options are **true** or **false**. If set to false, the log files can still be viewed in the *logs* directory.
averify.customer	Name of Agile customer.
averify.mailhost	Name of email server.
averify.mailport	Port number of your email server. The standard default is 25.
averify.toAddress	averify@oracle.com
averify.fromAddress	Email address of the sender.
averify.ccAddress	Email address of an additional recipient.

This section should be configured each time Averify is run. The logs are used by Oracle Agile PLM Development only and are not a replacement for logging a request.

Running Averify

Running Averify and using the results to eliminate known errors is a prerequisite for diagnosing problems. Averify is not comprehensive, however, and finding zero errors does not certify a database as perfect.

To run Averify:

1. Make sure you have downloaded the latest version of Averify from My Oracle Support (`https://support.oracle.com`).
2. Make sure you have backed up your database.
3. Clone your Production database to a Test environment. This can be done using export/import utilities, Recovery Manager, or copying backup database files from one file system to another and recreating the control file.
4. Shut down the application server if it is connected to the Test environment to prevent users from connecting to the database.
5. Go to the *Averify_Home\bin* directory and run the *averify.bat* script on Windows or *averify.sh* script on UNIX.

   Note: If you are running Averify as a Cron job, add the following line to the *averify.sh* file after the # Set up the environment comment line:

   ```
   cd /export/home/oracle/averify/bin
   ```

6. You are prompted to enter the database user name and database password.

   Note: If errors are generated in the `oracle_averify_report.log` file, contact Oracle Support.

Checking the Status of Averify

You can monitor the status through the log file that is generated while Averify is run. The *\logs* directory contains the *averify.log* file.

If you chose to have the log files sent as an email attachment, the *averify.zip* file, containing the *averify.log* and *oracle_averify_report.log*, is sent upon completion.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at
`http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc`.

Access to Oracle Support

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`http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info` or visit
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