

Oracle Financial Services
Analytical Applications
Infrastructure

Environment Check Utility Guide

Release 7.3.3.0.0



DOCUMENT CONTROL

| Version Number | Revision Date | Changes Done |
|--|------------------------------------|--|
| Draft | Created: Sep 2014 | Created a draft document about the Environment Check utility for OFSAAI 7.3.3.0.0 installer. |
| | | |
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Executive Summary

The document explains about the features of Environment Check utility for OFSAAI installation that is available as part of 7.3.3.0.0 installer.

TABLE OF CONTENTS

| | | |
|----------|---|----------|
| 1 | INTRODUCTION | 4 |
| 2 | PURPOSE OF THE UTILITY | 4 |
| 2.1 | Java Checks | 4 |
| 2.2 | Environment Variables Checks | 4 |
| 2.3 | Operating System Checks | 5 |
| 2.4 | Database Checks | 5 |
| 2.5 | Miscellaneous Checks: | 5 |
| 3 | PREREQUISITES..... | 6 |
| 4 | HOW TO RUN THIS UTILITY | 6 |
| 5 | SAMPLE OUTPUT ON EXECUTION OF THE UTILITY..... | 7 |

1 Introduction

This document describes the various categories of checks done as part of OFSAAI installation setup “readiness”. Customers should use this utility as the first step if they intend to check the setup readiness prior to OFSAAI installation. This utility is also invoked internally as part of the OFSAAI “Pre-install check” step.

2 Purpose of the Utility

The purpose of this utility is to run various checks on the software and hardware parameter settings of the setup, on which OFSAA products are to be installed. The utility displays the status for each check as SUCCESS or FAILURE.

The various checks done are categorized as below:

1. Java checks
2. Environment variables checks
3. Operating System checks
4. Database checks
5. Miscellaneous checks

2.1 Java Checks

This category checks whether:

1. Java is installed.
2. Installed Java version is appropriate for the current OFSAAI release (This release requires Java 1.6).
3. Installed Java is of 32/64 bit.

2.2 Environment Variables Checks

This category checks for the existence of below environment variables:

1. ORACLE_HOME (should point to a folder where Oracle *client* is installed.)
2. TNS_ADMIN (should point to a folder containing Oracle *tnsnames.ora* file.)

2.3 Operating System Checks

This category checks:

1. The current shell is KORN shell.
2. The size of *total file descriptors* for the logged in user is less than 9216. (applicable only for Linux)
3. The size of *number of processes* for the logged in user is less than 4096. (applicable only for Linux)
4. The OS on which the installation is being done is as per the supported version for the current release.
5. The environment variable TZ is set to a valid time zone region. (applicable only for Solaris 11)

2.4 Database Checks

This category checks:

1. The Oracle Database client version is in 11 series.
2. The Oracle instance is created with default NLS_LENGTH_SEMANTICS as CHAR.
3. The Oracle instance is created with default NLS_CHARACTERSET as AL32UTF8.
4. The value of *maximum number of open cursors* is 1000.
5. The CONFIG schema user has minimum of 500MB tablespace on *default* tablespace.
6. The following grants are present for the CONFIG user:
CREATE SESSION, CREATE PROCEDURE, CREATE SEQUENCE, CREATE VIEW,
CREATE TRIGGER, CREATE MATERIALIZED VIEW, CREATE TABLE ETC.
7. The role OLAP_USER is mapped to the CONFIG user.
8. SELECT privilege is granted for the CONFIG user on V\$NLS_PARAMETERS,
V\$PARAMETER and USER_TS_QUOTAS
9. The Oracle Database server version is in 11 series.

2.5 Miscellaneous Checks:

This category checks:

1. Existence of "VerInfo.txt" file in current folder.
2. The logged in user (performing the installation) has READ and WRITE permissions on *.profile* file.

3 Prerequisites

See the *Prerequisites* section in 7.3.3.0.0 *Installation and Configuration Guide*.

4 How to Run This Utility

This utility is invoked automatically during the installation as part of the pre-install check utility. However, this utility is available on MOS and can be run separately.

To run the utility, navigate to the folder (on server) where the OFSAAI Install Kit is extracted. Alternatively, navigate to the folder (on server) where the utility is extracted and trigger the utility by executing either of the below commands at the command prompt:

```
./envCheck.sh
```

Or

```
./envCheck.sh > envcheck.txt
```

Notes:

1. Extract the standalone utility EnvCheck_UTILITY.zip with below command:
`unzip -a EnvCheck_UTILITY.zip`
2. On executing the utility, the output will be displayed on the console.

On execution of the above command, enter values for the following parameters when prompted:

- Please enter OFSAAI CONFIG schema user name:
- Please enter password:
- Please enter Oracle SID/ SERVICE name:

On completion of the environment check you can proceed with OFSAAI installation if status of all the above mentioned categories is SUCCESSFUL.

NOTE: This utility can be executed multiple times to verify the installation setup environment.

5 Sample Output on Execution of the Utility

```

Using username "mock73web".
Using keyboard-interactive authentication.
Last login: Tue May 20 16:01:13 2014 from [REDACTED]
$ cd /export/home/mock73web/Env_Check/EnvCheck_Utility
$ ls
VerInfo.txt  envCheck.sh
$ ./envCheck.sh
Environment check utility started...
=====
Java Validation Started ...
Java found in : /webserver/jdk1.6.0_25/bin/sparcv9
JAVA Version found : 1.6.0_25
JAVA Bit Version found : 64-bit
Java Validation Completed. Status : SUCCESS
=====
Environment Variables Validation Started ...
ORACLE_HOME : /oracle/oraclient11203/product/11.2.0/client_1
TNS_ADMIN : /oracle/oraclient11203/product/11.2.0/client_1/network/admin
Environment Variables Validation Completed. Status : SUCCESS
=====
OS specific Validation Started ...
Unix shell found : /usr/bin/ksh. Status : SUCCESS
OS version : 5.10. Status : SUCCESS
OS specific Validation Completed. Status : SUCCESS
=====
DB specific Validation Started ...
Please enter OFSAAI CONFIG schema user name:
testenv
Please enter password:
Please enter Oracle SID/SERVICE name:
OFSAAI733
CREATE SESSION has been granted to user. Status : SUCCESS
CREATE PROCEDURE has been granted to user. Status : SUCCESS
CREATE VIEW has been granted to user. Status : SUCCESS
CREATE TRIGGER has been granted to user. Status : SUCCESS
CREATE MATERIALIZED VIEW has been granted to user. Status : SUCCESS
CREATE TABLE has been granted to user. Status : SUCCESS
CREATE SEQUENCE has been granted to user. Status : SUCCESS
Role OLAP_USER is mapped to user. Current value : OLAP_USER. Status : SUCCESS
SELECT privilege is granted for V_nls_parameters view. Current value : SELECT. Status : SUCCESS
NLS_LENGTH_SEMANTICS : CHAR. Current value : CHAR. Status : SUCCESS
NLS_CHARACTERSET : AL32UTF8. Current value : AL32UTF8. Status : SUCCESS
SELECT privilege is granted for V_sparameter view. Current value : SELECT. Status : SUCCESS
Open cursor value is greater than 1000. Current value : 1000. Status : SUCCESS
SELECT privilege is granted for USER_TS_QUOTAS view. Current value : SELECT. Status : SUCCESS
Schema is granted with at least 500 MB table space. Current value : Unlimited. Status : SUCCESS
DB specific Validation Completed. Status : SUCCESS
=====
Environment check utility Status : SUCCESS
=====
$ █

```



OFSAAI

7.3.3.0.0 Environment Check Utility Guide

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