

START
HERE

STACK
COVERAGE

HEALTH
CHECK
CATALOG

USER GUIDE
(<http://docs.oracle.com/cd/E6849>)

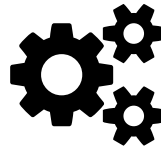
Oracle ORAchk

Health Checks for the Oracle Stack



REDUCES RISK

Health checks for most impactful reoccurring problems



AUTOMATED

Automatic proactive warning of problems before they impact you



RUNS IN YOUR ENVIRONMENT

No need to send anything to Oracle



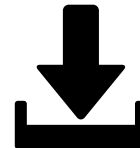
REPORTS VIA EMAIL

Get scheduled health reports sent to you in email



INTEGRATED

View health check results in the tool of your choice

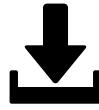


DOWNLOADS TO SUIT

Availability in various different download formats to suit your needs

ORAchk 12.2.0.1.3 Beta now available

↓ Download the right ORAchk for you



Download ORAchk

Note:

ORAchk is available in several different distribution formats. Choose the download most appropriate for your needs.

If in doubt, the recommended download is with TFA, as this contains the complete Database support tools bundle.

↓ ORAchk stand-alone 12.2.0.1.3 beta (<https://updates.oracle.com/Orion/Se>

ORAchk stan

↓ ORAchk IAM 12.2.0.1.3 beta (<https://updates.oracle.com/Orion/Services/d>

ORAchk

↓ ORAchk 12.2.0.1.2 in TFA 12.1.2.8.4 (<https://support.oracle.com/epmos/f>

ORAchk v

↓ ORAchk stand-alone 12.2.0.1.2 (<https://updates.oracle.com/Orion/Service>

ORAchk stand-al

↓ ORAchk IAM 12.2.0.1.2 (<https://updates.oracle.com/Orion/Services/downl>

ORAchk with Oracle Identity

For more details on getting started see the quick start in the user guide
(http://docs.oracle.com/cd/E68491_01/OEXUG/quick-start-guide.htm#OEXUG-GUID-0724119D-BBAE-437A-810C-528395E4BADC)



Oracle Stack Covered by ORAchk

Oracle Database
Appliance

Enterprise
Manager

E-Business Suite

- Oracle Payables (R12 only)

Oracle ASR

Oracle Database

- Standalone Database
- Grid Infrastructure & RAC
- Maximum Availability Architecture (MAA) Validation
- Upgrade Readiness Validation
- Golden Gate
- Application Continuity

Oracle Hardware Systems

- Oracle Solaris
- Oracle Solaris Cluster
- Oracle Systems configuration for Oracle Database, Oracle Middleware & Oracle Applications
- ZFS Storage Appliance
- Oracle Virtual Networking

Cloud Control (12c & 13c)

- Repository
- Agents
- OMS (version 12.1.0.1 and above on Linux only)

Oracle Identity and Access Management

- Oracle Identity Manager (11.1.2.2.x and 11.1.2.3.x)
- Oracle Access Manager (11.1.2.2.x and 11.1.2.3.x)
- Oracle Unified Directory (11.1.2.2.x and 11.1.2.3.x)

- Oracle Workflow
- Oracle Purchasing (R12 only)
- Oracle Order Management (R12 only)
- Oracle Process Manufacturing (R12 only)
- Oracle Fixed Assets (R12 only)
- Oracle Human Resources (R12 only)
- Oracle Receivables (R12 only)
- Oracle Customer Relationship Management
- Oracle Project Billing

Oracle Siebel

- Oracle Siebel verification of the database configuration for stability, best practices and performance optimization (Siebel 8.1.1.11 connecting to Oracle Database 11.2.0.4.)

Oracle PeopleSoft

- Oracle PeopleSoft verification of the database best practices

Note: For Engineered Systems coverage see EXAchk (<http://support.oracle.com/rs?type=doc&id=1070954.1>) (which uses the same framework as ORAchk).



Health Check Catalog

The ORAchk Health Check catalog lists all available checks. Use it to find which new checks have been created or which checks are applicable for your environment.

Download ORAchk Health Check Catalog ([https://support.oracle.com/epmos/main/downloadattachmentprocessor](https://support.oracle.com/epmos/main/downloadattachmentprocessor?attachid=1268927.1:VERSION_HISTORY))

Note:

You will need javascript enabled in your browser to use the catalog

If you can't find what you're looking for in the catalog, or have a suggestion for further information you'd like to see, please let us know via the ORAchk community (https://community.oracle.com/community/support/_my_oracle_support/orachk).

Example Screenshot from the ORAchk Health Check Catalog

ORAchk Health Check Catalog

User Guide

Product Area

7 selected

Profiles

21 selected

Alert Level

3 selected

Release Authored

9 selected

Platforms

30 selected

Privileged User

2 selected

Number of Checks:1238

Select All

Reset All

Enter keyword to search

Show Check Id

CheckName	Benefit Impact	Alert Level	KM Doc
use_large_pages	Properly configuring operating system hugepages on Linux and setting the initialization parameter "use_large_pages" to "only" or "true" results in more efficient use of memory and reduced paging. The impact of validating that the total current hugepages are greater than or equal to estimated requirements for all currently active SGAs is minimal. The impact of corrective actions will vary depending on the specific configuration, and because the hugepages pool must be contiguous, it is recommended to reboot the database server.	WARN	1392497.1 USE_LARGE_PAGES To Enable HugePages 361323.1 HugePages on Linux: What It Is... and What It Is Not... 401749.1 Shell Script to Calculate Values Recommended Linux HugePages / HugeTLB Configuration
Non-multiplexed redo logs	The online redo logs of an Oracle database are critical to availability and recoverability and should always be multiplexed even in cases where fault tolerance is provided at the storage level.	WARN	
Solaris Cluster Check S6979686	The Common Agent Container (Cacao) subsystem is required for multi-node cluster management, including cluster checks, to work correctly.	WARN	1479997.2 Information Center: Solaris Cluster 3.x and 4.x
Solaris Cluster Check S6980800	To use a ZFS file system as an exported file system in Oracle Solaris Cluster, you must set the sharenfs property to "off" and use the Oracle Solaris Cluster Data Service for NFS instead.	WARN	1479997.2 Information Center: Solaris Cluster 3.x and 4.x Oracle Solaris Cluster Data Service for NFS Guide
Solaris Cluster online nodes	Verify that all the configured nodes of the cluster are in the Online state, so that the results of other checks reflect the true cluster status.	WARN	1479997.2 Information Center: Solaris Cluster 3.x and 4.x
Solaris Cluster Check S6995379	Always applies to cluster nodes when HA-NFS resources are configured and IPMP groups configured with two or more network interfaces, to ensure that HA-NFS works correctly.	FAIL	1479997.2 Information Center: Solaris Cluster 3.x and 4.x 1012164.1 Solaris Cluster HA-NFS: nfs_postnet_stop Method Can Run into Timeout
Solaris Cluster Check S6708502	Checks to ensure that the system is not at risk of unexpected delays.	WARN	1479997.2 Information Center: Solaris Cluster 3.x and 4.x



What's New in ORAchk 12.2.0.1.3

For details of previous version history ⬇️ Download the ORAchk Version History (https://support.oracle.com/epmos/main/downloadattachmentprocessor?attachid=1268927.1:VERSION_HISTORY)

New features in ORAchk 12.2.0.1.3:

- Upgrade to Database 12.2 with confidence
- Improve performance of SQL queries
- Tailor Collection Manager email notifications & sample data usage
- Prevent Clusterware related outages and corruptions

Upgrade to Database 12.2 with confidence

This release includes lots of new checks to help when upgrading the database to 12.2.

These include both pre and post upgrade verification to prevent problems related to:

- OS configuration
- Grid Infrastructure & Database patch prerequisites
- Database configuration
- Cluster configuration

See the ORAchk Health Check Catalog

([https://support.oracle.com/epmos/main/downloadattachmentprocessor?](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&sourceId=1268927.2&attachid=1268927.1:HC_CATALOG&clickstream=no)

[parent=DOCUMENT&sourceId=1268927.2&attachid=1268927.1:HC_CATALOG&clickstream=no](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&sourceId=1268927.2&attachid=1268927.1:HC_CATALOG&clickstream=no))
for more details of new checks.

Improve performance of SQL queries

Many new checks focus on known issues in 12c Optimizer as well as SQL Plan Management.

These checks target problems such as:

- Wrong results returned
- High memory & CPU usage
- Errors such as ORA-00600 or ORA-07445
- Issues with cursor usage
- Other general SQL plan management problems

Tailor Collection Manager email notifications & control sample data

Collection Manager email notification can now be customized based on one or more business units. Existing users which have notification already configured will receive notification for all business units by default.

It is now possible to delete or reload the sample data which Collection Manager ships with.

Prevent Clusterware related outages and corruptions

The Oracle Cluster Registry subnet records can become stale due to configuration changes. This can lead to various startup problems.

Additionally vulnerability to certain OS bugs can lead to corruption in clustered databases.

This release has checks included to verify network configuration and OS patching.



Frequently Asked Questions

FAQ & Troubleshooting

The answers to most frequently asked questions can be found in the **ORAchk and EXAchk User's Guide** (http://docs.oracle.com/cd/E68491_01/OEXUG/toc.htm).

Details for troubleshooting problems with ORAchk for the following cases can be found in the Troubleshooting (http://docs.oracle.com/cd/E68491_01/OEXUG/troubleshooting-orachk-and-exachk.htm) section, which covers all the following:

- Tool runs, but no files were produced
- Messages similar to:
 - "line *****: **** Killed \$perl_cmd 2>> \$ERRFIL?"
 - "RC-001- Unable to read driver files"
 - "RC-002- Unable to read driver files"
 - "There are prompts in user profile on [hostname] which will cause issues in [tool] successful execution"
 - "Syntax error near unexpected token \$tag"
 - "Another instance of orachk/exachk is running"
- Problems related to remote login
- Other error messages in orachk_error.log or exachk_error.log
- Operating system is not discovered correctly

- Clusterware or database is not detected or connected issues
- Database software is installed, but cannot be found
- Database software is installed, but version cannot be found
- ASM software is installed, but cannot be found
- Database discovery issues on RAC systems
- Database login problems
- Remote login problems
- Permission problems
- Slow performance, skipped checks and timeouts

Known Issues

❓ ORAchk fails to detect databases on Windows

❓ ORAchk Download Failing

❓ Problems with Perl

❓ Does ORAchk detect every possible problem I might encounter with my Oracle Products?

❓ Available free memory space in database is less than 500 MB. File upload to database has been skipped

❓ ORAchk IDM Known Issues

❓ ORAchk IDM discovery fails to authenticate the OAM Admin password



Didn't find what you are looking for?

