

# Oracle® Life Sciences Data Management Workbench Diagnostics & Monitoring Tool User Guide



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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# Preface

This preface contains the following sections:

- [Documentation accessibility](#)
- [Diversity and Inclusion](#)
- [Access to Oracle Support](#)

## 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>.

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

# 1

## Overview

The Diagnostics and Monitoring Tool (DMT) is a window into the overall system health of your Oracle DMW environment. Depending on your user role, you can view and download information related to the distributed processing (DP) servers, job queues, CPU utilization, SQL statistics, and audit history.

- [Access the DMT](#)  
We recommend giving access to the DMT to someone at your organization with an Administrator role. You should work with your point of contact in the Oracle Managed Cloud Services (OMCS) team to create any required users.

## Access the DMT

We recommend giving access to the DMT to someone at your organization with an Administrator role. You should work with your point of contact in the Oracle Managed Cloud Services (OMCS) team to create any required users.

Since access to the DMT is limited to such a small amount of users and is not accessible from your Oracle DMW instance, it requires separate login credentials that can be obtained from OMCS.

When you log into DMT, you must provide the following information:

- **Username**
- **Password**
- **Purpose Of Login**

# 2

## Health Check Dashboard

After logging into DMT, you are taken to the Health Check Dashboard. This screen gives you a high-level overview of your Oracle DMW environment and is divided into four sections: DP Server, Queues, Database, and Database Performance.

### DP Servers

The tiles displayed in this section lets you know whether or not the Distributed Processing (DP) servers are running, as well as the location of each server.

### Queues

Tiles in the **Queues** section of the dashboard show the status of the **Job Queue** and **Message Queue**. Clicking on a tile opens the log for the respective queue, where you can download the log from the **Actions** drop down menu.

### Database

You can view the availability of the database(s) in this section of the page. Clicking on a tile opens the **DB Reboot** screen, where you can view and download the log history of database reboots.

The **Errors** subsection gives you a quick visual indication of any alerts that may need your attention:

- **Critical:** These are typically internal errors, such as `ORA-00600`.
- **Severe:** Examples of severe errors include operating system exceptions (`ORA-07445`) or issues like "out of memory in the shared pool" (`ORA-04031`).
- **Incident:** An "incident" is classified as a single occurrence of a system problem.
- **Other:** Errors that cannot be put into any of the above categories.

If any of the error tiles are displayed with a red icon, you need to check the alert log for more details.

### Database Performance

Tiles in this section are displayed with a red icon when any of the following issues are present:

- **CPU Utilization:** The OS run queue is greater than the number of available CPUs.
- **CPU Utilization (Last 1Hr):** The average load in the past hour is more than number of available CPUs.
- **Locks:** A session has been blocked for more than one minute.
- **Wait Event Impact:** A session is waiting on a non-idle event for more than one minute.

# 3

## View jobs data

You can view and download information about Oracle DMW jobs that have been executed and their status.



1. Click the DMT **Main Navigation** icon.

2. Select **Jobs** from the context menu.

The page refreshes to display the Jobs screen.

3. From the **Interval** drop down menu, select a span of time.

The grid refreshes to display all jobs attempted in the selected interval.

4. You can search within the results using the free text field in conjunction with the column



selector menu. The results can be further filtered with the adjacent drop down menu:

- **1. Primary Report:** Refines the results to both "completed" and "runnable" jobs. This is the default selection.
- **2. Completed Jobs:** Only jobs that have been completed are shown.
- **3. Runnable Jobs:** Only runnable jobs are shown.

Clicking the hyperlink in the **Job Id** column opens the Jobs details screen, where you can view information about the sub-jobs and drill-down into specific session details.