

Oracle® Enterprise Manager

System Monitoring Plug-in for Oracle TimesTen In-Memory Database Release Notes

Release 12.1.0.2.0

E28646-04

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This document provides late-breaking information as well as information that is not yet part of the formal documentation.

This document contains the following sections:

- [Platforms and configurations](#)
- [Known problems and limitations](#)
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1 Platforms and configurations

The System Monitoring Plug-in for Oracle TimesTen In-Memory Database release 12.1.0.2.0 is supported on all platforms that TimesTen 11.2.1.8.0 or later and TimesTen 11.2.2.2.0 and later and Enterprise Manager Agent 12c Release 2 support. These platforms include:

- Linux x86 (32-bit)
- Linux x86-64 (64-bit)
- IBM AIX (64-bit)
- Solaris Operating System (SPARC)
- Solaris Operating System (x86-64)
- Windows x86-64 (64-bit)

Additional requirements:

- Install Oracle Enterprise Manager Cloud Control 12c Release 2 (or higher).
- Install TimesTen 11.2.1.8.0 and later or TimesTen 11.2.2.2.0 and later.
- For optimal display, set your screen resolution to a minimum of 1280x1024 pixels.

The System Monitoring Plug-in for Oracle TimesTen In-Memory Database release 12.1.0.2.0 does not support Oracle Enterprise Manager 10.2 or 11.1.

2 Software requirements and installation

For software requirements, refer to the *Oracle Enterprise Manager System Monitoring Plug-in for Oracle TimesTen In-Memory Database User's Guide*.

3 Known problems and limitations

This section lists known problems and limitations.

Home page:

- If you attempt to access the home page and your target database is not loaded into memory, an exception dialog displays. If this occurs, click **OK** on the exception dialog. Then, check that your TimesTen database is loaded into memory.
- If you navigate to the home page of your TimesTen target immediately after adding your TimesTen target, you may see an error dialog with the exception `oracle.sysman.emSDK.emd.com.NoSuchTargetException`. Wait until the target has a "green arrow" to indicate that the target is available and ready to use.
- On the Home page, in the **Performance Overview** region, the **Free disk available (%)** line chart is not supported on the Windows x86-64 (64 bit) platform.

Performance page:

- The Write Workload and Read Workload charts can be empty. There is no workaround. (The Write and Read Workload charts are available from the **TimesTen IMDB** menu. Select **Performance**, then select **Workload**.) This problem is fixed in TimesTen 11.2.2.5.0. To enable the charts to be populated in TimesTen 11.2.2.5.0 and higher, execute the `ttStatsConfig` built-in procedure with the `StatsLevel` parameter set to `ALL`.
- On the Performance page under the **Statements** tab, in the **Statements detail** region, the pie chart showing the distribution of statements can be slow to paint.
- On the Performance page under the **Checkpoints** tab, the **Checkpoint history** table can be slow to paint.

Cache synchronization page:

- On the left hand side of the Cache page, if you **Expand All**, not all information may be shown. Expand selectively.

Replication monitor page:

- In the **Replication Aggregates** region, the number of transactions replicated may not equal the number of transaction sent in the **Transmitter threads status** table. The values in the **Transmitter threads status** table are more current. Ignore the discrepancy.
- For the **Replication Peers** table, the order of track numbers in the **Peer name** column may change on refresh.

Generic:

- Historic statistics for your TimesTen target are not removed when the database is destroyed and recreated. Statistics from the previous database will still display. If you wish to remove the old statistics, drop and recreate the TimesTen target in Enterprise Manager.
- There may be missing replication monitor information if the Enterprise Manager Agent does not run as the same operating system user as the TimesTen instance administrator. Make sure to install the Enterprise Manager Agent as the same operating system user as the TimesTen instance administrator.
- When your TimesTen target database is configured using the connection attribute `CacheAWTMethod 0` (SQL array execution), the `Method1` (Batches sent to Oracle DB) metric may increment. This is expected.

- If you choose **Test Connection** after you add a new TimesTen target to Enterprise Manager Cloud Control, you may see an authentication failure error dialog. As a workaround, click **OK** on the error dialog and do not test the connection. Note: This connection may fail even if your credentials are correct. This problem is fixed in Enterprise Manager Cloud Control 12c Release 3.
- Browsers may crash if there is a large amount of checkpoint history data to display. The default collection interval for checkpoint history is set to 10 minutes. Do not set the collection interval to a value less than five minutes.
- The agent may not pick up the correct time zone on the host. If this happens, do the following:

1. Log on to the agent host.

2. Make sure the agent host is configured using the appropriate time zone. For more information on configuring the agent host using the appropriate time zone, contact your system administrator.

3. Execute `emctl stop agent`:

```
$ emctl stop agent
```

Results of execution:

```
Oracle Enterprise Manager 12c Cloud Control Release 3
Copyright (c) 1996, 2013 Oracle Corporation. All rights reserved.
Stopping agent ..... stopped.
```

4. Execute `emctl resettz agent`:

```
$ emctl resettz agent
```

Results of execution:

```
Oracle Enterprise Manager 12c Cloud Control Release 3
Copyright (c) 1996, 2013 Oracle Corporation. All rights reserved.
Updating /scratch/testuser/em/agent/agent_inst/sysman/config/
emd.properties...
Successfully updated /scratch/testuser/em/agent/agent_inst/sysman/config/
emd.properties.
Login as the em repository user and run the script:
exec mgmt_target.set_agent_tzrgn('testhost.oracle.com:3872','PST8PDT')
and commit the changes
This can be done for example by logging into sqlplus and doing
SQL> exec mgmt_target.set_agent_tzrgn('testhost.oracle.com:3872','PST8PDT')
SQL> commit
```

5. Connect to your database as the Enterprise Manager repository user using SQL*Plus:

```
$ sqlplus sysman/sysman
```

Results of execution:

```
SQL*Plus: Release 11.2.0.3.0 Production on Fri Jun 14 08:48:00 2013
```

```
Copyright (c) 1982, 2013, Oracle. All rights reserved.
```

```
Connected to:
```

```
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit
Production
```

With the Partitioning, OLAP, Data Mining and Real Application Testing options

6. Copy and paste the SQL script from the output of step four. For example:

```
SQL> exec mgmt_target.set_agent_tzrgn('testhost.oracle.com:3872','PST8PDT')
```

Results of execution:

```
PL/SQL procedure successfully completed.
```

7. Commit your transaction:

```
SQL> commit;
```

Results of execution:

```
Commit complete.
```

8. Exit SQL*Plus:

```
SQL> exit
```

Results of execution:

```
Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.3.0  
- 64bit Production  
With the Partitioning, OLAP, Data Mining and Real Application Testing  
options
```

9. Execute emctl start agent:

```
$ emctl start agent
```

Results of execution:

```
Oracle Enterprise Manager 12c Cloud Control Release 3  
Copyright (c) 1996, 2013 Oracle Corporation. All rights reserved.  
Starting agent ..... started.
```

4 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>.

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