



HBase MONITORING PLUG-IN for ORACLE ENTERPRISE MANAGER

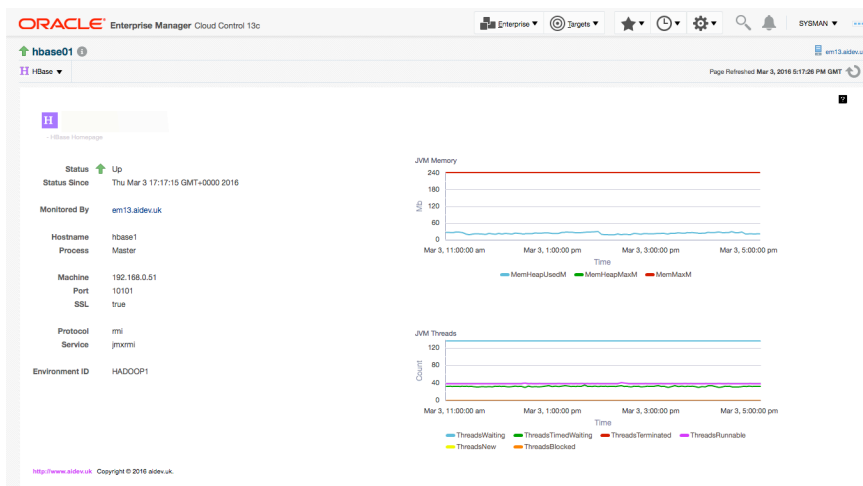
AN OVERVIEW

Overview

The HBase Monitoring Plug-in for Oracle Enterprise Manager provides **centralised visibility** of HBase environments, giving administrators a single view of **component availability and performance at both a database and estate level**.

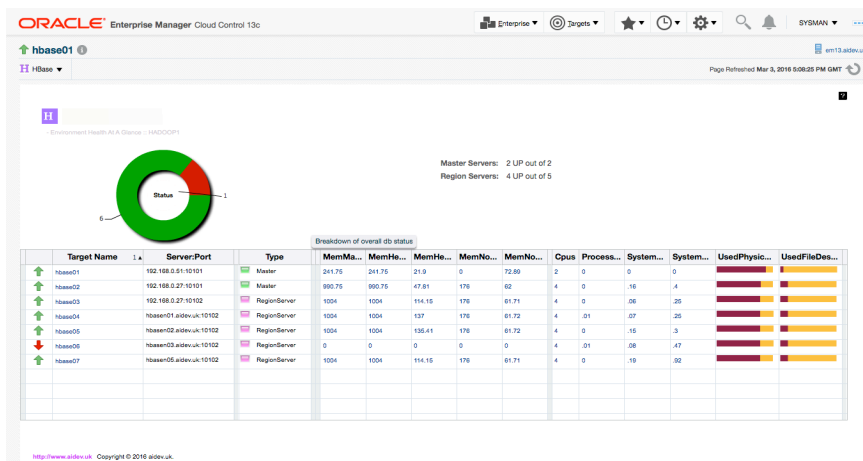
Monitoring and alerting of HBase components and collection of over 400 individual metrics is enabled out-of-the-box.

By centralising estate management, the plugin can facilitate a **reduction in cost and complexity** within environments that use a combination of HBase and Oracle components.



The plugin **integrates directly into the core features of EM**, transparently linking into such features as the monitoring/alerting framework and reporting capabilities. This is enabled out-of-the-box.

Additionally, administrators can **customise monitoring and alerting capabilities** through standard EM extensibility features such as metric extensions and monitoring templates/collections.



Administrators can also **centrally control HBase components** from within the EM user interface, helping to improve productivity and reduce environment management tasks.

Centralised visibility:

- **Monitoring of performance**, target **availability** and **component status**
- **Metric collection and alerting** enabled out-of-the-box
- **Over 400 metrics** enabled by default
- **Single view of component status** and performance at **both target and estate level**

Direct integration into the core features of EM:

- **Availability and performance monitoring**
- **Historical and realtime metrics**
- **Blackouts**
- **Corrective Actions**
- **Incident rules and alerting**
- **Advanced notification methods**
- **Reporting framework**

Additional benefits:

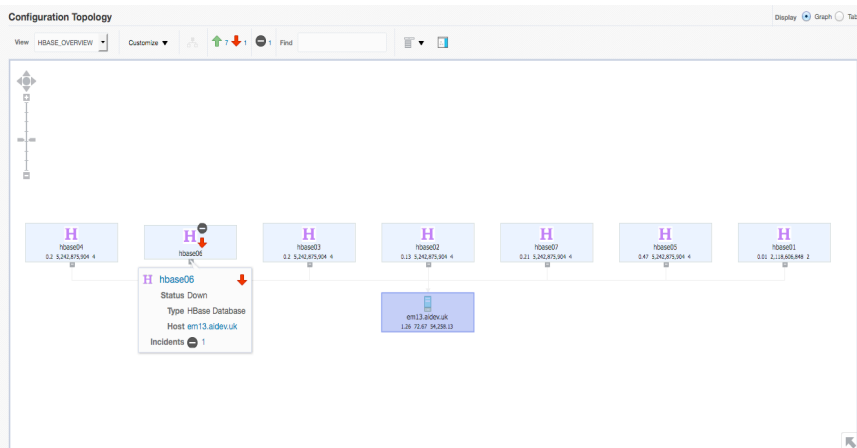
- **User customisation** through Metric Extensions and the EM reporting framework
- **Site Standardisation** through Monitoring Templates, Template Collections and Administration Groups
- **Correlate cross-component** availability and performance
- **Increased operational efficiency**
- **Centralised component control directly from within the EM user interface**

Centralised visibility of performance and availability

The HBase Monitoring Plug-in for Oracle Enterprise Manager provides a **centralised view of the HBase enterprise**.

Out-of-the-box functionality within Oracle Enterprise Manager extends this functionality for non-HBase targets (for example hosts or Oracle databases). By grouping related targets together, administrators can **gain a true top down view of all application tiers**.

Enterprise Manager users can **easily combine related Oracle, non-Oracle and HBase components together to logically model complex application stacks**. This links directly into the Enterprise Manager topology viewer framework and **significantly assists problem analysis** across the technology mix.



Estate management benefits:

- Help **reduce monitoring complexity** by managing many as one in a consistent manner
- **Centralise** all monitoring
- **Lower total cost of ownership** of estate management
- **Single pane of glass view** of all HBase components through topology viewer and Environment At A Glance page

The HBase Monitoring Plug-in for Oracle Enterprise Manager **automatically collects availability and performance metrics** using pre-defined thresholds, immediately alerting administrators of any issues.

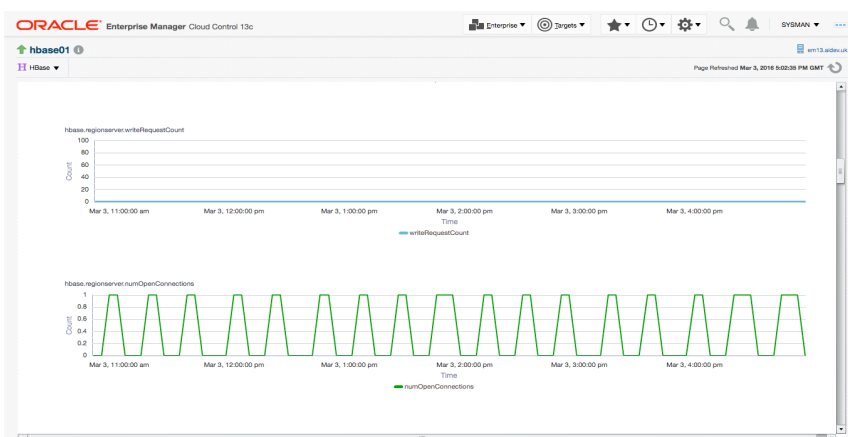
Enterprise Manager users can **access both realtime and historical metric information** directly through the application console.

Administrators can **standardise, extend and automatically enforce monitoring and alerting behaviour** through the use of monitoring templates and template collections.

Key performance pages within Enterprise Manager give administrators visibility of core metric performance for targets.

Key performance indicators include:

- **component availability** at a target level
- component **running status**
- **core metric** performance
- related **OS and JVM performance statistics**



Direct Integration with EM

The HBase Monitoring Plug-in for Oracle Enterprise Manager **integrates directly** into the existing Enterprise Manager alerting, incident management and notification frameworks.

Administrators can **define incident rules** to initiate actions based on metric conditions, alerting through advanced notification methods such as email or SNMP traps.

Rules can be created to automatically raise or manage incidents within EM, assigning these to administrators.

Direct integration with the following EM features:

- **Blackouts**: prevent alerts from being raised during maintenance or planned outages.
- **Metric extensions**: complement out-of-the-box monitoring through custom metrics.
- **Corrective Actions**: ensure that predefined responses to alerts are automatically actioned before users are affected.
- **Groups / Systems**: group like or related targets together, and manage as one.
- **Monitoring Templates and Template Collections**: standardise monitoring settings, manually apply to targets/groups or implement automatic enforcement through administration groups

Centralised component control

The HBase Monitoring Plug-in for Oracle Enterprise Manager allows direct component control from within the EM user interface.

Through the use of EM security credentials, administrators can perform such tasks as stopping, starting HBase components without the requirement of logging on to the physical host.

Product compatibility:

- Oracle Enterprise Manager Cloud Control version 12.1.0.3.0 and above, including 13c.
- HBase version 0.95 and above (metrics2 compatibility is required)
- Compatibility with SSL secured HBase environments



NEED FURTHER INFORMATION? email info@aidev.uk for more details on this product and how to join up with us.

Copyright © 2016 Aidev (A trading name of Wardrop Consulting Limited). All rights reserved.
Oracle and Oracle Enterprise Manager are trademarks or registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.
Specifications and product offerings subject to change without notice.