

## **Oracle® Enterprise Manager**

Licensing Information

10g Release 2 (10.2)

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Oracle Enterprise Manager Licensing Information, 10g Release 2 (10.2)

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Primary Author: Leo Cloutier

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# Preface

This document, which is part of the Program Documentation under the terms of your Oracle licensing agreement, is intended to help you understand the features, functionality, and options available for Oracle Programs. If you have questions about licensing needs, please contact your Oracle sales representative or refer to the resources listed in "Related Documents" on page x for more information.

Oracle Enterprise Manager 10g is available in multiple editions, each suitable for different development and deployment scenarios. Oracle also offers several Enterprise Manager options that enhance the capabilities of Oracle Enterprise Manager for specific application requirements. Oracle Enterprise Manager Licensing Information provides information on these optional products.

This Preface contains these topics:

- [Intended Audience](#)
- [Documentation Accessibility](#)
- [Related Documents](#)
- [Conventions](#)

## Intended Audience

This book is intended for all purchasers of Oracle Enterprise Manager 10.2.

## Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible, with good usability, to the disabled community. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at

<http://www.oracle.com/accessibility/>

### Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an

otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

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### TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, seven days a week. For TTY support, call 800.446.2398.

## Related Documents

For more information, see the following documents in the Oracle Other Product One Release 7.0 documentation set or in the Oracle Other Product Two Release 6.1 documentation set:

- *Oracle Other Product Two Getting Started Guide*
- The Software Investment Guide, available at:  
<http://www.oracle.com/corporate/pricing/sig.pdf>

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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# Oracle Enterprise Manager Licensed Management Packs and Management Plug-Ins

Oracle Enterprise Manager 10g Grid Control is Oracle's single, integrated solution for managing all aspects of the Oracle Grid and the applications running on it. Grid Control couples a potent, top-down monitoring approach to delivering the highest quality of service for applications with a cost-effective automated configuration management, provisioning, and administrative solution. This powerful combination provides unequalled management for any size Oracle data center.

Oracle also offers several options, management packs, management plug-ins, and other products that enhance the capabilities of Oracle Enterprise Manager for specific purposes. This chapter describes the separately licensed Oracle Enterprise Manager management packs, management plug-ins, and other products you can purchase to enhance the capabilities of Oracle Enterprise Manager in specific environments. The chapter contains the following sections:

- [Licensed Management Packs for Oracle Enterprise Manager](#)
- [Licensed Management Plug-Ins](#)

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**Note:** For information about Management Packs, Management Plug-ins, or other licensed products associated with either Oracle Database 10g or Oracle Application Server, see *Oracle Database Licensing Information* or *Oracle Application Server Licensing Information*.

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You cannot use the options, packs, views, reports, or commands described in these sections without the appropriate licenses. The fact that these options, Management Packs, or products may be included in product CDs or downloads or described in documentation that you receive does not authorize you to use them without the appropriate licenses.

## Licensed Management Packs for Oracle Enterprise Manager

The following sections describe the management packs available for Oracle Enterprise Manager. The Enterprise Manager Management Packs are licensed by the number of hosts, transactions or targets they manage.

- [Oracle Enterprise Manager Service Level Management Pack](#)
- [Oracle Enterprise Manager Provisioning Pack](#)

- [Oracle Enterprise Manager Configuration Management Pack for Non-Oracle Systems](#)
- [Enabling and Disabling the Oracle Management Packs for Oracle Enterprise Manager](#)

## Oracle Enterprise Manager Service Level Management Pack

The Service Level Management (SLM) pack offers a comprehensive monitoring solution that helps IT organizations achieve high availability and performance, and optimized service levels for their business services. SLM actively monitors and reports on the availability and performance of services, including end-user business functions, Web applications, and infrastructure components. Using service tests or synthetic transactions executed from remote user locations (beacons), businesses can monitor services from the end users' perspective and its correlation to the underlying IT infrastructure. In addition, Service Level Management Pack assesses the business impact of any service problem or failure, and indicates whether service-level goals have been met.

### Service Level Management Pack Licensed Links

The following information describes the Enterprise Manager links that require licensing of the Service Level Management Pack. This information does not include feature links that may contain information derived from the creation of tests and beacons, but are considered part of the Service Level Management Pack. The list that follows assumes that you begin from the main Grid Control Home page.

- From the **Enterprise Manager Home page**, go to the **Targets** tab and then select **Services** from the sub-tab:
  - On the **Services** page, click on **Add** to add a service. The **Beacons page** of the **Add Services wizard** is a licensed feature of the Service Level Management Pack.
  - On the **Services** page, click on **Add** to add a service. Defining a service's availability based on the execution of a service test by choosing **Service Test** from the drop down-menu on the **Availability** page of the wizard is a licensed feature of the Service Level Management pack.
  - On the **Service** page, select the **Monitoring Configuration** tab. The **Service Tests and Beacons** link in the **Generic Tasks** section is a licensed feature of the Service Level Management Pack.
  - On the **Service** page, select the **Monitoring Configuration** tab. Choose **Availability Definition** from the **Generic Tasks** section. Defining the service's availability based on the execution of a service test by selecting **Service Test** from the drop-down menu on the **Availability Definition** page is a licensed feature of the Service Level Management Pack.
- From the **Enterprise Manager Home page**, go to the **Targets** tab and then select **Web Applications** from the sub-tab:
  - On the **Web Application** page, click on **Add** to define a service to model and monitor a business process or application. The **Beacons page** of the **Add Web Application wizard** is a licensed feature of the Service Level Management Pack.
  - On the **Web Applications** page, click on **Add** to define a service to model and monitor a business process or application. Defining a web application's availability based on the execution of a service test by choosing **Service Test**



from the drop down-menu on the **Availability** page of the wizard is a licensed feature of the Service Level Management pack.

- On the **Web Application** page, select the **Monitoring Configuration** tab. The **Service Tests and Beacons** link in the **Generic Tasks** section of the is a licensed feature of the Service Level Management Pack.
- On the **Web Application** page, select the **Monitoring Configuration** tab. Choose **Availability Definition** from the **Generic Tasks** section. Defining the service's availability based on the execution of a service test by selecting **Service Test** from the drop-down menu on the **Availability Definition** page is a licensed feature of the Service Level Management Pack.
- From the **Enterprise Manager Home page**, go to the **All Targets** tab and then navigate to the **Agents Home page**. The **Add Beacon** option from the **Add** drop-down menu is a licensed feature of the Service Level Management Pack.

### Service Level Management Pack Licensed CLI Commands

The following Enterprise Manager command line interface commands are licensed as part of the Service Level Management Pack.

- `emcli apply_template_tests...`
- `emcli create_service`
- `emcli add_target`

## Oracle Enterprise Manager Provisioning Pack

The Oracle Enterprise Manager Provisioning pack automates deployment of software, applications, and patches. This pack provides functionality for "bare-metal" provisioning of operating systems and software images, cloning of existing installations and software images (such as Oracle Clusterware, Real Application Clusters, and Oracle Application Servers), and patching. It makes critical data center operations easy and scalable, resulting in lower operational risk and cost of ownership.

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**Note:** In earlier releases, three features that are currently licensed as part of the Oracle Provisioning Pack were previously part of the Configuration Management Pack: Patch Deployment (Patch Database and View Patch Cache, Patch staging), Clone Oracle Home, and Clone Database. If you have previously licensed the Configuration Management Pack for Oracle Database, you are entitled to use these features without licensing the Oracle Provisioning Pack.

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The following sections describe the features that are included as part of the Provisioning pack for Oracle Enterprise Manager.

### Provisioning Pack Features Formerly Included in the Configuration Management Pack

The following features were previously part of the Configuration Management pack and are now part of the Provisioning pack.

**Table 1–1 Former Configuration Management Pack Features in Provisioning Pack**

Feature	Description
Critical Patch Facility	Grid Control performs an assessment of vulnerabilities by examining your enterprise configuration to determine which Oracle homes have not applied one or more software patches that have been identified as critical. Grid Control provides a list of critical patch advisories and the Oracle homes to which the critical patches should be applied. The Critical Patch Facility enables administrators to download the Critical Patch metadata from MetaLink and upload it to the repository. This metadata can then be used by the "RefreshFromMetalink" job for performing Critical Patch calculations in offline mode. Administrators will be alerted to security updates—even if the Management Service is not connected to MetaLink. The Critical Patch Facility's offline mode makes it easy to keep your environment patched to the latest level.  Only the Critical Patch Facility advisors remain in the Configuration Management Pack.
Database Cloning	You can clone a database instance using the Clone Database feature of Grid Control. Clone Database clones a database instance to an existing Oracle home. To create a new Oracle home into which to clone the instance, use the Clone Oracle Home tool to create a new Oracle home, then use the Clone Database tool to clone the instance to that cloned home.
ORACLE_HOME Cloning	Use this feature to clone existing Oracle home directories. Once you have configured an Oracle home into a desirable state—where you have chosen particular install options, applied required patches, and tested it—you can clone that Oracle home to one or more hosts using Grid Control's "Clone Oracle Home" tool.
ORACLE_HOME and Target Patching	Use this feature to patch an ORACLE_HOME.

### Features Shared By Provisioning Pack and Configuration Management Pack

The following features are shared by both the Configuration Management Pack and the Provisioning Pack.

**Table 1–2 Features Shared by Provisioning Pack and Configuration Management Pack**

Feature	Description
Enterprise Security Advisor	This feature is completely shared between the Provisioning Pack and the Configuration Management Pack.
Critical Patch Advisory	See description in <a href="#">Table 1–1</a> . The Advisory portion of Critical Patch Advisory is common to both the Provisioning Pack and the Configuration Management Pack.

### Features Exclusive to Provisioning Pack

The following features are available only in the Provisioning Pack. To use the features below, you must purchase the license for the Oracle Provisioning Pack.

**Table 1–3 Features Exclusive to Provisioning Pack**

Feature	Description
Software Library	Creates and maintains a library of reference software images.
Bare Metal Provisioning	Deploys operating systems and software to bare metal servers.
Extending Cluster	Extends RAC clusters or Oracle Application Server middleware.
Adding an Instance	Adds an instance to Enterprise Manager.
Single-instance RAC Conversion	Converts a databaset to a RAC cluster.
Operating System Patching on Linux	Patches Linux systems.

## Provisioning Pack Licensed Links

The list that follows itemizes the links that require licensing of the Provisioning Pack. You can navigate to these features in several ways. The instructions below assume that you begin from the main Enterprise Manager Grid Control page.

- From the **Enterprise Manager Home page**:
  - Choose any of the links in the **Security Violations** section. On the resulting **Violations page**, the **Security At a Glance** tab is a licensed feature of the Provisioning Pack.
  - Under the section **Critical Patch Advisories for Oracle Homes**, any **Patch button** is a licensed feature of the pack.
- From the **Deployments page** linked from the **Enterprise Manager Home page**:
  - Under the section **Critical Patch Advisories for Oracle Homes**, any **Patch button** is a licensed feature of the pack.
  - Under the **Patching** section, the links **Patch Oracle Software**, **View Patch Cache**, and **Patch Linux Hosts** are all licensed under the Provisioning Pack.
  - Under the **Cloning** section, the links **Clone Database** and **Clone Oracle Home** are all part of the Provisioning feature.
- From the **Targets tab** on the **Enterprise Manager Home page**, choose the **Databases tab**. On the **Database Home page**, the **Enterprise Security At a Glance** link in the **Security section** is a licensed feature of the Provisioning Pack.
- On the **Database Home page Maintenance tab**, the following links are licensed as part of the Provisioning Pack:
  - **Apply Patch** and **View Patch Cache** under the **Database Software Patching section**
  - **Clone Database** in the **Move Database Files** column of the **Data Movement section**
- On the **Database Home page Administration tab**, the following links are licensed as part of the Provisioning Pack:
  - **Convert to Cluster Database** link
  - **Add Instance** (only for RAC database)
  - **Delete Instance** (only for RAC database)
- On the **Agents Home page** by way of the **All Targets page**, the **Patch Oracle Software** link in the **Related Links** section is licensed.

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**Note:** Provisioning Pack must be enabled only for an OMS Host for Agent patching.

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- On each of the following target tabs, the **Security At a Glance** link is licensed as part of the Provisioning Pack:
  - **Host Targets tab**, navigate to the **Host Home page**, and then select the **Enterprise Security At a Glance** link
  - **Application Servers tab**, navigate to the **Application Server Home page** and then select the **Enterprise Security At a Glance** link

- **Groups tab**, navigate to the **Group Home page** and then select the **Security At a Glance** link
- **Systems tab**, navigate to the **Systems Home page** and then select the **Security At a Glance** link
- **Web Applications tab**, navigate to the **Web Applications Home page**. From there choose the **System** link, then the **System (Topology)** link and then select the **Security At a Glance** link
- **Services tab**, navigate to the **Service Home page**. From there choose the **System** link, then the **System (Topology)** link, and then select the **Security At a Glance** link

## Oracle Enterprise Manager Configuration Management Pack for Non-Oracle Systems

Configuration Management for Non-Oracle Systems automates the time-consuming and often error prone process of managing software and hardware configurations and deployments on systems not running Oracle software. This pack provides capabilities such as search and compare across all systems, configuration monitoring, policy management and compliance support, security configuration scoring and dashboards, and comprehensive reporting. This pack provides the following capabilities:

- View and analyze configuration
- View and analyze deployments/installations
- Search configuration
- Compare configuration
- Manage policies, including policy notifications
- Configuration reports
- Repository tables/views that store/expose the above data

To use the features above, you must purchase the license for the Configuration Management Pack for Non-Oracle Systems and install the pack. The list that follows itemizes the links that require licensing of the pack. Some features for the pack are accessed only when you are in Grid Control mode. You can navigate to these features in several ways. The sections that follow discuss the licensable features of the Configuration Management Pack for Non-Oracle Systems.

### Configuration Management Pack for Non-Oracle Systems Licensed Links

The following pages and links are part of the Configuration Management Pack for Non-Oracle Systems.

- **Grid Control Home page:**
  - All links in the **All Targets Policy Violations** section
  - All links in the **Critical Patch Advisories for Oracle Homes** section
  - All features in the **Deployments Summary** section
  - All links in the **Security Policy Violations** section
- From the Grid Control Home page, click on the **Deployments** tab. On the **Deployments page** the following items are licensed as part of the pack:
  - All links and features in the **Critical Patch Advisories for Oracle Homes** section

- All features and links in the **Deployments Summary** section
- All links in the **Configuration** section
- All links in the **Client Configurations** section

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**Note:** The features in the Patching and Cloning sections are licensed under the Provisioning Pack. The Agent Installation features do not require licensing.

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- From the **Grid Control Home page**, click on the **Policies tab** to display the **Policy Violations page**. All links, tabs, and features available on or linked to from the Grid Control Policies Violations page are licensed under the Configuration Management Pack for Non-Oracle Systems.
- From the **Grid Control Home page**, click on the **Targets tab** and then choose the **Hosts sub-tab**. On the **Grid Control Hosts page**, the following items are licensed as part of the pack:
  - **Policy Violations** link
  - **Compliance Score (%)**
- From the **Grid Control Hosts page**, click on a specific host to display the **Host Home page**. The following links are licensed as part of the pack:
  - All links in the **Configuration** section
  - All links in the **Policy Violations** section
  - All links in the **Security** section
  - Under **Related Links**, the following links are licensed:
    - \* **Deployments**
    - \* **Metric and Policy Settings**
- From the **Host Home page**, click on the **Targets tab**. The following links and columns are licensed:
  - **Policy Violations** and associated links
  - **Compliance Score (%)**
- From the **Host Home page**, click on the **Configuration tab**. All features, links, and information on the Configuration tab is licensed as part of the Configuration Management Pack for Non-Oracle Systems.
- From the **Grid Control Home page**, click on the **Targets tab** and then choose the **Systems sub-tab**. On the **Systems page**, the following items are licensed as part of the pack:
  - **Policy Violations** link
- From the **Grid Control Home page**, click on the **Targets tab** and then choose the **Groups sub-tab**. On the **Groups page**, the following items are licensed as part of the pack:
  - **Policy Violations** link
- From the **Grid Control Home page**, click on the **Targets tab** and then choose the **Groups sub-tab**. Select a group. On the **Group Home page**, the following items are licensed as part of the pack:

- All links in the **Configuration Changes** section
- All links in the **Policy Violations** section
- All links in the **Security Policy Violations** section
- All links in the **Critical Patch Advisories for Oracle Homes** section
- From the **Groups Home** page, click on the **Administration** tab. The following links and features are licensed features of the Configuration Management Pack for Non-Oracle Systems:
  - All links and features in the **Deployments Summary** section
  - **Configuration Searches** feature
- From the **Groups Home** page, click on the **Members** tab. The following links and features are licensed features of the pack:
  - All links and the information in the **Policy Violations** column

### Configuration Management Pack Reports

The following reports are part of the Configuration Management Pack for Non-Oracle Systems. All reports in each of these sections are licensed for this pack. To display the Reports page, click on the **Reports** tab on the Grid Control Home page.

- All reports under **Deployment and Configuration**
- Monitoring reports
  - **Alerts and Policy Violations**
  - **Disabled Policies**
- Security reports
  - **Security Policy Overview**

### Configuration Management Pack Repository Views

The following repository views are part of the Configuration Management Pack for Non-Oracle Systems:

- **Policy Definition Views**
  - mgmt\$policies
  - mgmt\$policy\_parameters
  - mgmt\$policy\_violation\_ctxt
  - mgmt\$policy\_viol\_annotations
  - mgmt\$policy\_viol\_notif\_log
- **Policy Association Views**
  - mgmt\$target\_policies
  - mgmt\$target\_policy\_settings
  - mgmt\$target\_policy\_eval\_sum
  - mgmt\$target\_compliance\_score
- **Policy Violation Views**
  - mgmt\$policy\_violation\_current

- mgmt\$policy\_violation\_history
- mgmt\$policy\_violation\_context
- **Configuration Views**
  - mgmt\$db\_tablespace
  - mgmt\$db\_datafiles
  - mgmt\$db\_controlfiles
- **Oracle Home Patching**
  - MGMT\$CPF\_ADVISORY\_INFO
  - MGMT\$CPF\_HOMES\_INFO
  - MGMT\$CPF\_PATCH\_INFO
  - MGMT\$EM\_HOMES\_PLATFORM
  - MGMT\$HOMES\_AFFECTED
  - MGMT\$PATCH\_ADVISORIES
  - MGMT\$APPL\_PATCH\_AND\_PATCHSET
  - MGMT\$APPLIED\_PATCHES
  - MGMT\$APPLIED\_PATCHSETS
- **Linux Patching**
  - MGMT\$HOSTPATCH\_HOSTS
  - MGMT\$HOSTPATCH\_GROUPS
  - MGMT\$HOSTPATCH\_GRP\_COMPL\_HIST
  - MGMT\$HOSTPATCH\_HOST\_COMPL
- **Security Views**
  - MGMT\$ESA\_ALL\_PRIVS\_REPORT
  - MGMT\$ESA\_ANY\_DICT\_REPORT
  - MGMT\$ESA\_ANY\_PRIV\_REPORT
  - MGMT\$ESA\_AUDIT\_SYSTEM\_REPORT
  - MGMT\$ESA\_BECOME\_USER\_REPORT
  - MGMT\$ESA\_CATALOG\_REPORT
  - MGMT\$ESA\_CONN\_PRIV\_REPORT
  - MGMT\$ESA\_CREATE\_PRIV\_REPORT
  - MGMT\$ESA\_DBA\_GROUP\_REPORT
  - MGMT\$ESA\_DBA\_ROLE\_REPORT
  - MGMT\$ESA\_DIRECT\_PRIV\_REPORT
  - MGMT\$ESA\_EXMPT\_ACCESS\_REPORT
  - MGMT\$ESA\_KEY\_OBJECTS\_REPORT
  - MGMT\$ESA\_OH\_OWNERSHIP\_REPORT
  - MGMT\$ESA\_OH\_PERMISSION\_REPORT

- MGMT\$ESA\_POWER\_PRIV\_REPORT
- MGMT\$ESA\_PUB\_PRIV\_REPORT
- MGMT\$ESA\_SYS\_PUB\_PKG\_REPORT
- MGMT\$ESA\_TABSP\_OWNERS\_REPORT
- MGMT\$ESA\_TRC\_AUD\_PERM\_REPORT
- MGMT\$ESA\_WITH\_ADMIN\_REPORT
- MGMT\$ESA\_WITH\_GRANT\_REPORT
- **Client Configurations Views**
  - MGMT\$CSA\_COLLECTIONS
  - MGMT\$CSA\_FAILED
  - MGMT\$CSA\_HOST\_OS\_COMPONENTS
  - MGMT\$CSA\_HOST\_SW
  - MGMT\$CSA\_HOST\_COOKIES
  - MGMT\$CSA\_HOST\_CUSTOM
  - MGMT\$CSA\_HOST\_RULES
  - MGMT\$CSA\_HOST\_CPUS
  - MGMT\$CSA\_HOST\_IOCARDS
  - MGMT\$CSA\_HOST\_NICS
  - MGMT\$CSA\_HOST\_OS\_PROPERTIES
  - MGMT\$CSA\_HOST\_OS\_FILESYSTEMS
  - MGMT\$ECM\_CONFIG\_HISTORY
  - MGMT\$ECM\_CONFIG\_HISTORY\_KEY1
  - MGMT\$ECM\_CONFIG\_HISTORY\_KEY2
  - MGMT\$ECM\_CONFIG\_HISTORY\_KEY3
  - MGMT\$ECM\_CONFIG\_HISTORY\_KEY4
  - MGMT\$ECM\_CONFIG\_HISTORY\_KEY5
  - MGMT\$ECM\_CONFIG\_HISTORY\_KEY6
  - MGMT\$HW\_NIC
  - MGMT\$OS\_COMPONENTS
  - MGMT\$OS\_FS\_MOUNT
  - MGMT\$OS\_HW\_SUMMARY
  - MGMT\$OS\_PATCHES
  - MGMT\$OS\_SUMMARY
  - MGMT\$SOFTWARE\_COMP\_PATCHSET
  - MGMT\$SOFTWARE\_COMPONENT\_ONEOFF
  - MGMT\$SOFTWARE\_COMPONENTS
  - MGMT\$SOFTWARE\_DEPENDENCIES



- MGMT\$SOFTWARE\_HOMES
- MGMT\$SOFTWARE\_ONEOFF\_PATCHES
- MGMT\$SOFTWARE\_OTHERS
- MGMT\$SOFTWARE\_PATCHES\_IN\_HOMES
- MGMT\$SOFTWARE\_PATCHSETS

## Enabling and Disabling the Oracle Management Packs for Oracle Enterprise Manager

If you have not enabled the features included in the Management Packs licensed with Oracle Enterprise Manager, you can enable or disable the functionality for each pack in the Oracle Enterprise Manager 10g Grid Control Console using the following procedure.

1. Ensure that the version of Oracle Enterprise Manager 10g Grid Control that you are using is at least release 10.2.

To check your Grid Control version, log in to the Grid Control Console and click **About Oracle Enterprise Manager** at the bottom of any page.

2. Log in to the Grid Control Console as a super administrator.
3. Click **Setup** in the upper right corner of the page.
4. Click **Management Pack Access** on the left navigation panel.

The Management Pack Access page allows you to enable or disable access for each Management Pack on each listed target.

5. For each host listed, you can enable or disable the management packs associated with an instance. For the target listed in the **Name** column, choose the management packs for which you have access and click the box for that pack. For a new target, click the box in the **Pack Access Agreed** column to agree to the terms of the licensing agreement. The Pack Access Agreed option is available for selection only for a newly added target for which you have not accepted the terms of the Licensing Agreement.
6. Click **Apply** to save your changes.

When you disable a Management Pack, links that are part of that pack will either be disabled or, when a link is clicked, a message will indicate that the associated pack is not licensed for use. After performing the previous steps to disable a pack, any administrator who logs into the Grid Control Console will not be able to access Management Pack functionality that you have disabled.

## Licensed Management Plug-Ins

Enterprise Manager offers Management Plug-ins as a way to expand system coverage to non-Oracle components such as hosts, non-Oracle databases, non-Oracle middleware, network devices, and storage, thus providing customers with a single integrated tool for managing any application built on Oracle. The Management Plug-ins deliver availability and performance monitoring, historical trend analysis, and advanced event management capabilities, enabling faster problem diagnosis and resolution.

The following sections describe the licensed features for each of the Enterprise Manager management plug-ins along with their access points.

- [Enterprise Manager System Monitoring Plug-In for Hosts](#)

- [Enterprise Manager System Monitoring Plug-In for Storage](#)
- [Enterprise Manager System Monitoring Plug-In for Network Devices](#)
- [Enterprise Manager System Monitoring Plug-In for Non-Oracle Middleware](#)
- [Deploying and Managing Management Plug-Ins for Oracle Enterprise Manager](#)

## Enterprise Manager System Monitoring Plug-In for Hosts

The System Monitoring Plug-in for Hosts provides performance and availability data collection, historical monitoring, event management/monitoring, notifications, and performance reporting for host system. The following features are available in this plug-in:

- Real time and historical performance monitoring and trending (Hosts)
- Event management and monitoring
- Event/Alert notifications: Notification methods, Rules, and Schedules
- Event/Alert history and metric history (Hosts)
- User-defined Metrics
- Metric snapshots
- Blackouts/Planned Outages
- Monitoring Templates
- Corrective Actions (including response actions)
- Performance and Event Reports
- Repository tables/views that store/expose the above data

To use the features above, you must license the System Monitoring Plug-in for Hosts.

### System Monitoring Plug-In for Hosts Licensed Links

The list that follows itemizes the links that require licensing of the System Monitoring for Hosts plug-in. Some features for the plug-in are accessed only when you are in Grid Control mode. You can navigate to these features in several ways. The list that follows assumes that you begin from the main Grid Control page.

- From the Oracle Enterprise Manager **Hosts page**:
  - When you click the link in the **Status** column, Enterprise Manager displays the **Availability (Status History)** page, which is part of this licensed plug-in.
  - When you choose the value in the **CPU Util %** column, the metric history page for **CPU Utilization (%)** appears, which is part of this licensed plug-in.
  - When you choose the value in the **Memory Util %** column, the metric history page for **Memory Utilization (%)** appears, which is part of licensed System Monitoring for Hosts plug-in.
  - When you choose the value in the **Total IO/sec** column, the metric history page for **Total Disk I/O Per Second** appears, which is part of the licensed plug-in.
- From the Oracle Enterprise Manager **Host Home page**:
  - When you click the link in the **Status** field or the **Availability** field, the **Availability (Status History)** page appears, which is part of this licensed plug-in.

- When you click on the **Black Out** button, the **Create Blackout** wizard initiates, which is part of this licensed plug-in.
- When you click on the Metric Name in the **Alerts Table** the metric history page that is displayed is part of the System Monitoring for Hosts plug-in.
- From the **Related Links** section of the Oracle Enterprise Manager Host Home page, the following links are licensed under the System Monitoring for Hosts plug-in:
  - **Alert History**
  - **Blackouts**
  - **Storage Details**
  - **User-defined Metrics**
  - From the **All Metrics** link and the ensuing All Metrics page, drilling down to **Metric History** pages is licensed.
  - From the **Metrics and Policy Settings** link, selecting **Metric Snapshots** from the **Metric Thresholds Links** section is a licensed feature.
- All links, charts, and information on the **Performance sub-tab** of the **Host Home page** are licensed under the System Monitoring for Hosts plug-in.
- Select the **Preferences** link on the Enterprise Manager Grid Control Hosts page. From the **General Preferences** list, choosing either **Notification Rules** or **Notifications Public Rules**, and then **Create** to create a notification rule, or choosing the **Notification Schedules** feature is a licensed activity of the System Monitoring for Hosts plug-in.
- Creating a notification rule that applies to a host is a licensable feature of the System Monitoring for Hosts plug-in.
- Choose the **Setup** link on the Enterprise Manager Grid Control Hosts page. The following links on the **Overview of Setup** page are licensed as part of the System Monitoring for Hosts plug-in:
  - **Monitoring Templates**
  - **Corrective Action Library**
  - **Notification Methods**
  - **Blackouts**
- Choose the **Alerts** tab on the Enterprise Manager Grid Control Hosts page. Clicking on the **Message link** for any host-related alert is a licensed feature of the plug-in.
- Choose the **Groups** sub-tab on the Enterprise Manager Grid Control Host page. On the **Groups page**, click on an **Alert** in the Alert column. The **Message link** on the **Status Report** page is a licensed feature of the plug-in.
- Choose the **Groups** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **Group Home page**. The following items are licensed as part of the System Monitoring Plug-in for Hosts:
  - **Message links** for host-related alerts accessible from links in the **Alerts** section
  - Alert History button in the Alerts section
  - Status History button in the Status section

- Choose the **Groups** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **Group Home page**. All information on the **Groups Charts page** is licensed if the host is part of the membership of the group.
- Choose the **Groups** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **Group Home page**. On the **Groups Administration page**, all links in the **Blackouts** section are licensed if the host is a member of the group.
- Choose the **Groups** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **Group Home page**. On the **Groups Members page** the following items are licensed as part of the System Monitoring Plug-in for Hosts:
  - Host-related links in the **Status** column
  - **Message links** for host-related alerts accessible from links in the **Alerts** column
  - Links in the performance metric columns for hosts, for example, CPU Usage and Memory Usage
- Choose the **Systems** sub-tab on the Enterprise Manager Grid Control Host page. On the **Systems page**, click on an **Alert** in the Alert column. The **Message link** on the **Status Report** page is a licensed feature of the plug-in.
- Choose the **Systems** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **System Home page**. Whenever a host target is included in the system, the following items are licensed as part of the System Monitoring Plug-in for Hosts on the **Systems Home page**:
  - Message links for host-related alerts accessible from links in the Alerts section
  - Alert History button in the Alerts section
  - Status History button in the Status section
- Choose the **Systems** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **System Home page**. All information on the **Systems Charts page** is licensed if the host is part of the system.
- Choose the **Systems** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **System Home page**. On the **Systems Administration page**, all links in the **Blackouts** section are licensed if host is part of the system.
- Choose the **Systems** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **System Home page**. On the **Systems Components page** the following items are licensed:
  - **Host links** in the **Status** column
  - **Message links** for host-related alerts accessible from links in the **Alerts** column
  - **Links in the performance metric columns for host metrics**
- Choose the **Systems** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **System Home page**. On the **Systems Topology page** the following items are licensed:
  - Status link in the Selection Details column for host components
  - Message links accessible from the alerts links in the Selection Details and Summary sections for host alerts
- Choose the **Systems** sub-tab on the Enterprise Manager Grid Control Host page. Navigate to the **System Home page**. Click on the **Launch Dashboard** button. On

the Dashboard, all **Message links** for host-related alerts in the **Message** column are licensed as are status links in the status column.

- Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. On the **Services page** the following items are licensed as part of the System Monitoring Plug-in for Hosts:
  - If service availability is system-based and if at least one Host component is a key component, then the **Status link** is licensed
  - **Message links** accessible from links in the **Performance Alerts section**, if host metrics are used as performance metrics
  - **Message links** accessible from links in the **Usage Alerts** column, if host metrics are used as usage metrics
  - **Message links** for host-related alerts accessible from links in the **Alerts** column of the **Key Components** sub-column
- Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. On the **Services page**, choose a **Service** to add from the **Add** drop-down menu and click **Go**. On the **Services Creation wizard**, the use of Host metrics as performance and usage metrics is a licensed feature of the plug-in.
- Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. Click on a generic service link on the **Services page** to display the Service Home page. The following items are licensed as part of the System Monitoring Plug-in for Hosts on the **Service Home page**:
  - The **Blackout button** in the **General section** is licensed if the availability of the service is system-based and at least one host is a key component
  - The **Availability link** in the **General section** is licensed if the availability of the service is system-based and at least one host is a key component
  - **Actual Service Level link** in the **General section** is licensed if the availability of the service is system-based and at least one host is a key component
  - **Message links** in the **Message** column for host-related alerts accessible from **Alert links** in the **Key Component Summary section**
  - **Message links** in the **Message** column of the **Possible Causes of Service Failure section**, if a host component is one of the possible causes of failure
  - **Message links** in the **Message** columns accessible from the **Root Cause Analysis Details link** in the **Possible Causes of Service Failure section**, if a host component is one of the possible causes of failure
  - **Message links** for host-related alerts in the **Message** column of the **Alerts section**
- Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. Click on a generic service link on the **Services page** to display the **Service Home page**. Click on the **System link**. The following items are licensed as part of the System Monitoring Plug-in for Hosts on the **Service System page**:
  - **Status link** for host key components
  - **Message links** for host-related alerts accessible from links in the **Alerts** column
- Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. Click on a generic service link on the **Services page** to display the **Service Home**

**page.** Click on the **Topology** link. The following items are licensed as part of the plug-in on the **Service Topology page**:

- The **Status** link in the **Selection Details section** is licensed if service availability is system-based and if at least one host is a key component
  - **Message links** for host-related alerts accessible from the **Alerts** link in the **Selection Details section**
  - **Possible Root Cause** link in the **Selection Details section** if the root cause is a host
- Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. Click on a generic service link on the **Services page** to display the **Service Home page**. Click on the **Monitoring Configuration** link. The following items are licensed as part of the plug-in on the **Service Monitoring Configuration page**:
    - **Host** links for host targets in the **Component Test** column accessible from the **Root Cause Analysis Configuration** link
    - Adding Performance Metrics based on host metrics accessible from the **Performance Metrics** link
    - Adding Usage Metrics based on host metrics accessible from the **Usage Metrics** link
  - Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. Click on a generic service link on the **Services page** to display the **Service Home page**. The following items are licensed as part of the plug-in in the **Related Links section**:
    - **Blackouts** and all subsequent pages are licensed if the availability of the service is system-based and at least one host is a key component
    - **Alert History** link and subsequent pages if any host metrics are used as performance or usage metrics for the service
  - Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. Click on an aggregate service link on the **Services page** to display the **Service Home page**. The following items are licensed as part of the System Monitoring Plug-in for Hosts on the **Service Home page**:
    - The **Blackout button** in the **General section** is licensed if the availability of one of the sub-services is system-based and at least one host is a key component
    - The **Availability** link in the **General section** is licensed if the availability of one of the sub-services is system-based and at least one host is a key component
    - **Actual Service Level** link in the **General section** is licensed if the availability of one of the sub-services is system-based and at least one host is a key component
    - **Message links** in the **Message** column for host-related alerts accessible from **Alert links** in the **Key Component Summary section**
    - **Message links** in the **Message** column of the **Possible Causes of Service Failure section**, if a host component is one of the possible causes of failure
    - **Message links** in the **Message** columns accessible from the **Root Cause Analysis Details** link in the **Possible Causes of Service Failure section**, if a host component is one of the possible causes of failure

- **Message links** for host-related alerts in the **Message** column of the **Alerts** section
- Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. Click on an aggregate service link on the **Services page** to display the **Service Home page**. Click on the **Topology** link. The following items are licensed as part of the plug-in on the **Service Topology page**:
  - The **Status** link in the **Selection Details** section is licensed if the availability of one of the sub-services is system-based and if at least one host is a key component
  - **Message links** for host-related alerts accessible from the **Alerts** link in the **Selection Details** section
  - **Possible Root Cause** link in the **Selection Details** section if the root cause is a host
- Choose the **Services** sub-tab on the Enterprise Manager Grid Control Host page. Click on an aggregate service link on the **Services page** to display the **Service Home page**. The following items are licensed as part of the plug-in in the **Related Links** section:
  - **Blackouts** and all subsequent pages are licensed if the availability of one of the sub-services is system-based and at least one host is a key component
  - **Host** links for host targets in the **Component Test** column accessible from the **Root Cause Analysis Configuration** link
- Choose the **Web Applications** sub-tab on the Enterprise Manager Grid Control Host page. On the **Web Applications page** the following items are licensed as part of the System Monitoring Plug-in for Hosts:
  - If Web Application availability is system-based and if at least one host component is a key component, then the **Status link** is licensed
  - **Message links** for host-related alerts accessible from links in the **Alerts** column
- Choose the **Web Applications** sub-tab on the Enterprise Manager Grid Control Host page. Click on a web application. The following items are licensed as part of the System Monitoring Plug-in for Hosts on the **Web Application Home page**:
  - The **Blackout button** in the **General** section is licensed if the availability of the service is system-based and at least one host is a key component
  - The **Availability** link in the **General** section is licensed if the availability of the service is system-based and at least one host is a key component
  - **Actual Service Level** link in the **General** section is licensed if the availability of the service is system-based and at least one host is a key component
  - **Message links** in the **Message** column for host-related alerts accessible from **Alert links** in the **Key Component Summary** section
  - **Message links** in the **Message** column of the **Possible Causes of Service Failure** section, if a host component is one of the possible causes of failure
  - **Message links** in the **Message** columns accessible from the **Root Cause Analysis Details** link in the **Possible Causes of Service Failure** section, if a host component is one of the possible causes of failure
  - **Message links** for host-related alerts in the **Message** column of the **Alerts** section for host alerts

- Choose the **Web Applications** sub-tab on the Enterprise Manager Grid Control Host page. Click on a web application. Click on the **System** link. The following items are licensed as part of the plug-in on the **Web Application System page**:
  - **Status** link is licensed if service availability is system-based and if at least one host is a key component
  - **Message links** for host-related alerts accessible from links in the **Alerts** column
- Choose the **Web Applications** sub-tab on the Enterprise Manager Grid Control Host page. Click on a web application. Click on the **Topology** link. The following items are licensed as part of the plug-in on the **Web Application Topology page**:
  - The **Status** link in the **Selection Details** section is licensed if service availability is system-based and if at least one host is a key component
  - **Message links** for host-related alerts accessible from the **Alerts** link in the **Selection Details** section
  - **Possible Root Cause** link in the **Selection Details** section if the root cause is a host
- Choose the **Web Applications** sub-tab on the Enterprise Manager Grid Control Host page. Click on a web application. Click on the **Monitoring Configuration** link. The following items are licensed as part of the plug-in on the **Web Application Monitoring Configuration page**:
  - **Host** links in the **Component Test** column accessible from the **Root Cause Analysis Configuration** link
  - Adding Performance Metrics based on host metrics accessible from the **Performance Metrics** link
  - Adding Usage Metrics based on host metrics accessible from the **Usage Metrics** link
- Choose the **Web Applications** sub-tab on the Enterprise Manager Grid Control Host page. Click on a web application. The following items are licensed as part of the plug-in in the **Related Links** section:
  - **Blackouts** and all subsequent pages are licensed if the availability of the web application is system-based and at least one host is a key component
- From the **Grid Control Home page**, select **Targets**, then **Databases**, and then choose a database link to drill down to the **Database Home page**. On the Database Home page, any **Message link** for host-related alerts in the **Related Alerts** section is a licensed part of the System Monitoring Plug-in for Hosts
- From the **Grid Control Home page**, select **Targets**, then **Application Servers** . Click on an application server. On the **Application Server Home page**, all **Message links** in the Host Alerts section are licensed
- From the home page for any target type, all **Message links** in the **Host Alerts** section are licensed

### System Monitoring Plug-In for Hosts Licensed Repository Views

The following repository views are part of the System Monitoring Plug-in for Hosts:

- Monitoring Views
  - MGMT\$BLACKOUT\_HISTORY
  - MGMT\$BLACKOUTS



- MGMT\$ALERT\_ANNOTATIONS
- MGMT\$ALERT\_NOTIF\_LOG
- MGMT\$AVAILABILITY\_HISTORY
- MGMT\$ALERT\_HISTORY
- MGMT\$METRIC\_DETAILS
- MGMT\$METRIC\_HOURLY
- MGMT\$METRIC\_DAILY
- Template Views
  - MGMT\$TEMPLATES
  - MGMT\$TEMPLATE\_POLICY\_SETTINGS
  - MGMT\$TEMPLATE\_METRIC\_COLLECTION
  - MGMT\$TEMPLATE\_METRIC\_SETTINGS

### System Monitoring Plug-In for Hosts Licensed Command Line Interface Verbs

The following command line interface (CLI) verbs are licensed as part of the System Monitoring Plug-in for Hosts:

- delete\_blackout
- get\_blackout\_details
- get\_blackout\_reasons
- get\_blackout\_targets
- get\_blackouts
- stop\_blackout

### System Monitoring Plug-In for Hosts Licensed Reports

The following reports are part of the System Monitoring Plug-in for Hosts. To display the Reports page, click on the **Reports** tab on the Grid Control Home page.

- 20 Most Common Alerts and Policy Violations
- 20 Most Common Alerts and Policy Violations (Target): for a host target
- Alerts and Policy Violations History
- Alerts and Policy Violations History (Group): if a host is one of the members of the group
- Alerts and Policy Violations History (Target): for a host target
- Availability History (Group): if a host is one of the members of the group
- Availability History (Redundancy Group): if a host is one of the members of the redundancy group
- Availability History (Target): for a host target

## Enterprise Manager System Monitoring Plug-In for Storage

The System Monitoring Plug-in for Storage provides performance and availability data collection, real-time and historical monitoring, Event management/monitoring,

notifications, and performance reporting for storage devices. The following features are available in this plug-in:

- Real-time and historical performance monitoring and trending (Storage)
- Event management/monitoring (Storage)
- Event/Alert Notifications: Notification Methods, Rules and Schedules
- Event/Alert history/metric history /metric history (Storage)
- User-defined metrics
- Metric Snapshots
- Blackouts/Planned Outages
- Monitoring templates
- Corrective actions (including response actions)
- Performance and Event reports
- Repository tables/views that store/expose the above data

To use the features above, you must license the System Monitoring Plug-in for Storage.

### System Monitoring Plug-In for Storage Licensed Links

The list that follows itemizes the links that require licensing of the System Monitoring Plug-In for Storage. All of the plug-ins (except host) are available in Grid Control only. This plug-in applies to both EMC Celerra and Net App Filers. You can navigate to these features in several ways. The list that follows assumes that you begin from the main Grid Control page.

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**Note:** This section does not include feature links that may contain information derived from adding NetApp Filer instances, but are considered part of the System Monitoring Plug-in for Storage.

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- From the **Host Home page**, select **All Targets**. Click on an Agent to display the **Agent Home page**. From the **Add** menu drop-down, the **Network Appliance Filer** selection is a licensed option of the System Monitoring Plug-in for Storage. This also applies to EMC Celerra Server.
- From the command line interface, the `add_target` command (with `type="netapp_filer"`) is licensed as part of this plug-in. This also applies to the EMC Celerra Server.

### Enterprise Manager System Monitoring Plug-In for Network Devices

The System Monitoring Plug-in for Network Devices provides performance and availability data collection, real-time and historical monitoring, Event management/monitoring, notifications, and performance reporting for network devices. The System Monitoring Plug-in applies to F5 BIG-IP Server Load Balancer (version 4.5), F5 BIG-IP Local Traffic Manager (version 9), Check Point Firewall, and Juniper Netscreen Firewall. The following features are available in this plug-in:

- Real-time and historical performance monitoring and trending (Network Devices)
- Event management/monitoring (Network Devices)
- Event/Alert Notifications: Notification Methods, Rules and Schedules

- User-defined metrics
- Metric Snapshots
- Blackouts/Planned Outages
- Monitoring templates
- Corrective actions (including response actions)
- Performance and Event reports
- Repository tables/views that store/expose the above data

To use the features above, you must license the System Monitoring Plug-in for Network Devices.

### System Monitoring Plug-In for Network Devices Licensed Links

The list that follows itemizes the links that require licensing of the System Monitoring for Network Devices plug-in. The features for the plug-in are available only in Grid Control mode. You can navigate to these features in several ways. The list that follows assumes that you begin from the main Grid Control page.

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**Note:** This section does not include feature links that may contain information derived from adding BigIP Server Load Balancer instances, but are considered part of System Monitoring Plug-in for Network Devices Pack.

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- From the **Host Home** page, select **All Targets**. Click on an Agent to display the **Agent Home** page. From the **Add** menu drop-down, the **Load Balancer Switch** selection is a licensed option of the System Monitoring Plug-in for Network Devices. Add other plug-ins as needed. Respective target type names are BIG-IP Local Traffic Manager, Check Point Firewall, and Juniper Netscreen Firewall.
- From the command line interface, the **add\_target** command (with type="slb") is licensed as part of this plug-in. The internal names to be used with the add\_target command are listed below:
  - f5\_bigip\_v9plus\_loadbalancer
  - juniper\_netscreen\_firewall
  - checkpoint\_firewall

### Enterprise Manager System Monitoring Plug-In for Non-Oracle Middleware

The Enterprise Manager System Monitoring Plug-in for Non-Oracle Middleware provides performance and availability data collection, real-time and historical monitoring, Event management/monitoring, notifications, and performance reporting for Non-Oracle Middleware.

The following features are available in this plug-in:

- Real-time and historical performance monitoring and trending
- Monitoring of JMX/Web Services endpoints hosted on the application server
- Event management/monitoring
- Event/Alert Notifications: Notification Methods, Rules and Schedules
- Event/Alert history/metric history /metric history

- User-defined metrics
- Metric Snapshots
- Blackouts/Planned Outages
- Monitoring templates
- Corrective actions (including response actions)
- Performance and Event reports
- Repository tables and views that store or expose the above data

To use the features above, you must license the System Monitoring Plug-in for Non-Oracle Middleware.

### System Monitoring Plug-In for Non-Oracle Middleware Licenced Links

The System Monitoring Plug-in for Non-Oracle Middleware applies to the following products.

- Microsoft Active Directory
- Microsoft Internet Information Services
- Microsoft .NET Framework
- Microsoft Commerce Server
- Microsoft BizTalk Server
- Microsoft Internet Security and Acceleration Server
- IBM WebSphere
- BEA WebLogic

The list that follows itemizes the links that require licensing of the plug-in. You can navigate to these features in several ways. The list that follows assumes that you begin from the main Grid Control page.

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**Note:** This section does not include feature links that may contain information derived from adding non-Oracle Middleware instances to Grid Control, but are considered part of the System Monitoring Plug-in for Non-Oracle Middleware.

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- From the **Grid Control Home page**, navigate to the **Host Home page**, select the **Targets** tab. Select the **Application Servers** sub-tab. On the **Application Servers page**, the following links on the **Add** drop down menu are licensable features of the System Monitoring Plug-in for Non-Oracle Middleware.

- **BEA WebLogic Server Domain**
- **IBM WebSphere Application Server Cell**
- **IBM WebSphere Application Server**

Note that Microsoft links cannot be added on this page. You can add the Microsoft links via the Agents page.

- From the **Grid Control Home page**, click the **Setup** link in the upper right corner of the page. On the **Overview of Setup** page, click the **Agents sub-tab**. From the **Agents page**, click on an **agent** to display the **Agent Home page**. The following

selections from the **Add** drop-down menu under the Monitored Targets section are licensed features of the System Monitoring Plug-in for Non-Oracle Middleware:

- **IBM Websphere Application Server**
- **BEA Weblogic Managed Server**
- **Microsoft Active Directory**
- **Microsoft Internet Information Services (Microsoft IIS)**
- **Microsoft .NET Framework**
- **Microsoft Commerce Server**
- **Microsoft BizTalk Server**
- **Microsoft Internet Security and Acceleration Server (Microsoft ISA Server)**
- From the command line interface (CLI), the **add\_target** command (as it relates to adding non-Oracle middleware) is licensed as part of this plug-in. The internal names to be used with the CLI **add\_target** command are listed below:
  - microsoft\_biztalk
  - microsoft\_commerceserver
  - microsoft\_dotnet
  - microsoft\_iis
  - microsoft\_isaserver
  - active\_directory
  - websphere\_j2eeserver
  - weblogic\_j2eeserver

## Enterprise Manager System Monitoring Plug-In for Non-Oracle Databases

The Enterprise Manager System Monitoring Plug-in for Non-Oracle Databases provides performance and availability data collection, real-time and historical monitoring, Event management/monitoring, notifications, and performance reporting for non-Oracle databases.

To use the features of the plug-in, you must license the System Monitoring Plug-in for Non-Oracle Middleware.

### System Monitoring Plug-In for Non-Oracle Databases Licensed Links

The System Monitoring Plug-in for Non-Oracle Databases applies to the following products:

- Microsoft SQL Server
- IBM DB2 Universal Database

The list that follows itemizes the links that require licensing of the plug-in. You can navigate to these features in several ways. The list that follows assumes that you begin from the main Grid Control page.

- From the **Grid Control Home page**, click the **Setup** link in the upper right corner of the page. On the **Overview of Setup** page, click the **Agents sub-tab**. From the **Agents page**, click on an **agent** to display the **Agent Home page**. The following selections from the **Add** drop-down menu under the Monitored Targets section are licensed features of the System Monitoring Plug-in for Non-Oracle Databases:

- **Microsoft SQL Server**
- **IBM DB2 Database**
- From the command line interface, the **add\_target** command is licensed as part of this plug-in. The internal names to be used with the add\_target command are listed below:
  - microsoft\_sqlserver\_database
  - ibm\_db2\_database

## Deploying and Managing Management Plug-Ins for Oracle Enterprise Manager

The Management Plug-in page is the central access point for all of the functionality available to you to operate on your Management Plug-ins. Any Management Plug-ins that have been imported into the Management Repository are listed on the Management Plug-Ins page. Certain operations allow you to operate on multiple Management Plug-ins simultaneously (delete and export); some operations only allow you to operate on a single Management Plug-in at a time (deploy and undeploy); and import allows you to add Management Plug-ins to the table on this page. You also can search through the Management Plug-ins in the table using Name and Version as search criteria at the top of the page.

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**Note:** Not all management plug-ins described in this guide are available on the Management Plug-Ins page. Only Management Plug-ins that have been imported into the Management Repository are listed on the page. Use the import function to add Management Plug-ins to the table.

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To deploy a plug-in in the Oracle Enterprise Manager 10g Grid Control Console, use the following procedure.

1. Log in to the Grid Control Console as a super administrator.
2. Click **Setup** in the upper right corner of the page.
3. Click **Management Plug-ins** on the left navigation panel.
4. In the table on this page, find the Management Plug-in you wish to deploy and click the deploy icon in that row.