WEBLOGIC SERVER MANAGEMENT PACK ENTERPRISE EDITION

Oracle Enterprise Manager is Oracle’s integrated enterprise IT management product line, and provides the industry’s first complete cloud lifecycle management solution. Oracle Enterprise Manager’s Business-Driven IT Management capabilities allow you to quickly set up, manage and support enterprise clouds and traditional Oracle IT environments from applications to disk. Enterprise Manager allows customers to achieve the best service levels for traditional and cloud applications through management from a business perspective in order to provide maximum return on IT management investment through the best solutions for intelligent management of the Oracle stack and engineered systems and gain unmatched customer support experience through real-time integration of Oracle’s knowledgebase with each customer environment.

Performance Management

The WebLogic Server Management Pack Enterprise Edition greatly improves server as well as application performance by providing unique functionality to automatically detect performance bottlenecks; quickly diagnose these performance problems, and identify their root cause. Key application performance management features of the pack include the following:

- Manage multiple Fusion Middleware Farms, WebLogic Domains, GlassFish Domains, and Oracle Coherence (assuming Coherence is running on WebLogic; otherwise licensed separately) centrally
- Monitor middleware availability and performance out-of-box; track such data historically, correlate messages across log files, and receive notifications of potential problems
- Monitor applications from a business perspective and from a single pane of glass via Business Application Management which integrates real end user experience KPIs with data on business transactions, Service Level Agreements and supporting infrastructure.
- Discover dependencies between servers, components and resources automatically
- Identify potential impact of availability and performance problems across tiers via a routing topology viewer and composite application dashboard
- Obtain real-time and historical in-depth JVM diagnostics including garbage collection, thread, and heap analysis without instrumentation overhead
- Trace transactions across containers as well as to the database and vice versa
- Reduce problem resolution time through middleware diagnostics advisor which provides “root cause” findings in context of the most relevant configuration parameters and offers suggestions for each finding
Service Level Management

The WebLogic Server Management Pack Enterprise Edition helps IT organizations to achieve high availability, performance, and optimized service levels for their business services. Key service level management features of the pack include the following:

- Monitor services from the end users’ perspective using service tests or synthetic transactions executed from remote user locations
- Assess the business impact of any service problem or failure and understand whether service level goals have been satisfied

Administration

The WebLogic Server Management Pack Enterprise Edition provides common administration operations – traditionally available from the Oracle Enterprise Manager Fusion Middleware Control console or the WebLogic Server Administration Console – directly from the Cloud Control console. Consequently, a single console can be used to centrally administer multiple domains, and administrators can specify domain credentials once, store them as preferred credentials and never be prompted for domain credentials again. Key administration related features of the pack include the following:

- Lock a domain configuration via Change Center prior to making changes
- View and edit settings for the domain, cluster, server, server template and machine configurations
- Create, edit, delete and test JDBC data sources
- View, configure and use MBeans via the System MBean Browser
- Record configuration actions as series of WLST commands
- Configure log file settings (e.g. location, format, log level, rotation policy)
- Audit administration operations performed by Enterprise Manager administrators
Figure 2. Lock a configuration and then make changes to a managed server

Lifecycle Management

The WebLogic Server Management Pack Enterprise Edition provides comprehensive lifecycle management capabilities for middleware software and its underlying hardware that help customers to maximize value of their IT assets, increase the quality of IT services, reduce the cost of managing IT, and meet IT compliance requirements. Key configuration management related features of the pack include the following:

- Automate discovery of configuration items
- Detect configuration changes in real-time and track changes historically
- Compare configurations to reduce “configuration drift” and when undesired differences are detected, synchronize the configurations to make them the same again
- Correlate both real-time and historical configuration changes with performance metrics
- Ensure compliance with unique business policies including former BEA Guardian signatures in addition to standards such as Sarbanes-Oxley (SOX) and Payment Card Industry (PCI)
Figure 3. User-defined search for WebLogic Server configuration attributes

The pack also automates common manual and error-prone operations allowing administrators to focus on more strategic initiatives. Key patching and provisioning related features of the pack include the following:

- Receive automatic WebLogic Server patch recommendations via integration with My Oracle Support
- Search for, download, and apply Patch Set Updates, Critical Patch Updates, and one-off patches to managed servers across one or more domains
- Provision a domain and/or Oracle Home from installation media stored in the software library
- Clone a domain and/or Oracle Home from a provisioning profile stored in the software library
- Scale up or out existing domains (e.g. expanding a two node WebLogic Cluster to four nodes)
- Deploy, undeploy or redeploy Java EE applications to one or more domains
- Perform disaster recovery operations against systems supporting Java EE applications (e.g. failover to a standby site when the primary site goes down)
Contact Us
For more information about WebLogic Server Management Pack Enterprise Edition, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.