WebLogic Server Management Pack Enterprise Edition



Oracle Enterprise Manager is Oracle's on-premise management platform, providing a single pane of glass for managing all of a customer's Oracle deployments, whether in their data centers or in the Oracle Cloud. Through deep integration with Oracle's product stack, Enterprise Manager provides market-leading management and automation support for Oracle applications, databases, middleware, hardware and engineered systems.

Enterprise Manager helps increase business agility using application-to-disk automation and maximizes service levels through intelligent management of the Oracle stack. It also enables customers to reduce costs through comprehensive lifecycle automation, combined hardware and software management, proactive monitoring and compliance control.

KEY BENEFITS

- Improve performance and availability of Java EE applications and web services
- Improve quality of service by avoiding down time and improving end-to-end response time
- Reduce cost by automating manual, error-prone lifecycle management operations

KEY FEATURES

- · Manage multiple domains centrally
- · Gain in-depth JVM diagnostics
- Follow request instances from HTML to the database
- Perform key administration and configuration operations
- Detect configuration changes in real time and track historically
- Ensure compliance to industry standards and best practices
- Provision, clone, or scale up/down domains
- · Apply patches to domains
- · Perform disaster recovery operations

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 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 Service Level Agreements and supporting infrastructure
- 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 request instances across containers 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

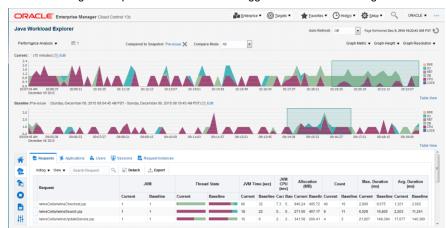


Figure 1. Java Workload Explorer enables you to compare JVM activity between two sets of requests or two periods of time

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, multitenancy, 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

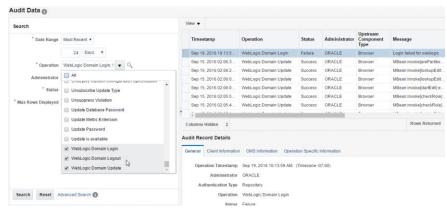


Figure 2. WebLogic Domain operations performed from Oracle Enterprise Manager Cloud Control 13c are audited and searchable from the Audit Data page

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 regulatory standards and unique business policies including standards such as the Security Technical Implementation Guide (STIG), Sarbanes-Oxley (SOX) and Payment Card Industry (PCI)

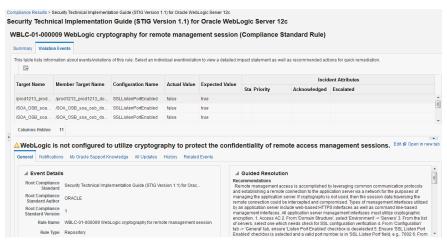


Figure 3. Detected violation of WebLogic Server configuration when evaluated against STIG compliance standard

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) or scale down (e.g. reducing four node cluster to two)
- Export and import a WebLogic partition between domains
- 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)

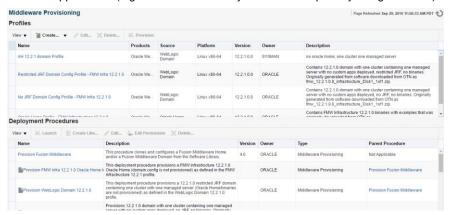


Figure 4. Store fully tested gold images as profiles in software library and then use deployment procedures to clone the profiles for installation and configuration automation

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.

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