



Automate Application Configuration, Change, and Compliance Management

Continuous IT Control



Cohesion is an application-level best practices platform for managing change, configuration and compliance

- Inventory and audit application infrastructures
- Automate configuration, change, and compliance management
- Correct unwanted configuration drift
- Ensure policy compliance
- Enable data center migration and consolidation planning
- Accelerate problem isolation and resolution
- Intelligently configure dynamic IT environments
- Align business services and entities
- Improve business continuity

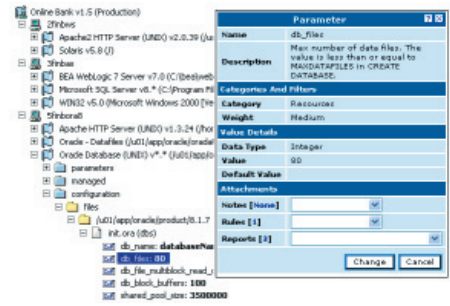
Global 2000 IT organizations (ITOs) are already using Cohesion to gain unprecedented visibility into their enterprise application infrastructures to proactively address performance, security and regulatory IT issues, as well as automate labor-intensive tasks to ensure continuous availability and peak service levels. Leveraging its fast, deep and continually updated application inventory, Cohesion creates an extensive and extensible foundation for ITOs to operate in the most efficient, highly accountable, highly correctable application infrastructure environment.

With support for virtually all heterogeneous enterprise building blocks and tiers as well as custom components, Cohesion delivers immediate management value to any environment. Cohesion also works immediately with structured process improvement frameworks such as ITIL and COBIT to promote ongoing IT quality and regulatory efforts.

DISCOVER

Successfully managing enterprise applications starts with establishing a comprehensive, up-to-date inventory of software components. Rapidly discover inventories to get a complete picture of the application infrastructure. Cohesion provides a complete, cross-platform inventory of applications down to a granular detail, including directories, files, registries, database tables, and every configuration parameter for most off-the-shelf applications and custom developed applications all from a single console.

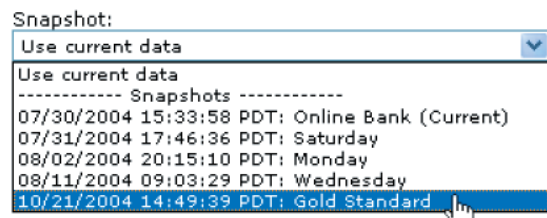
- Structured views provide understanding of applications, servers, operating systems, software components and business entities
- Business alignment provides service impact analysis
- Manage all application details to reduce mean time to repair, time involved in problem isolation and improve accountability within the ITO



TRACK

What changed yesterday? Last week? Last month? Cohesion automatically recaptures application inventories to archive configuration data into fully detailed snapshots that operations staff can search and traverse for troubleshooting, leverage in release management and migration planning, or use to keep historical records. Snapshots can also be earmarked as Gold Standard for auditing and change detection.

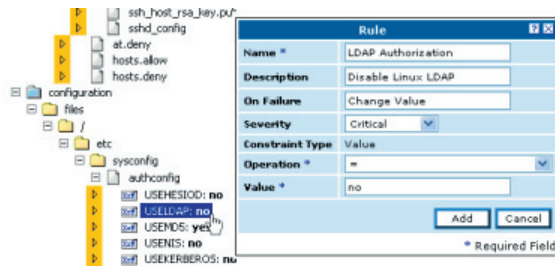
- Automatically take periodic snapshots of application states
- Instantly review history of configurations
- Quickly define operational standards



AUDIT

Ensuring that complex applications meet internal and regulatory compliance requires detailed information—because that’s where policies are going to be most affected by change. Cohesion helps control applications and establishes best practices with flexible, in-depth policy definition and automated enforcement. Continuous audits of performance configurations, security settings, and dependent variables “harden” the application infrastructure, freeing organizations from manual, error-prone management.

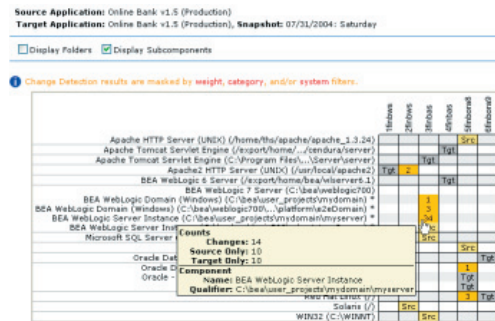
- Automatically detect violations and correct them before they hinder operations
- Create shared technical, corporate, policy or experience-driven best practices across the data center
- Establish syntactical and/or value rules for every parameter and element



COMPARE

The comprehensive change detection features of Cohesion provide the ability to compare application states across time and space. This granular knowledge of system deltas is invaluable to establishing consistency across data centers, identifying operational issues that arise from configuration modifications, and streamlining lifecycle transitions from development to pre-production to production and service support.

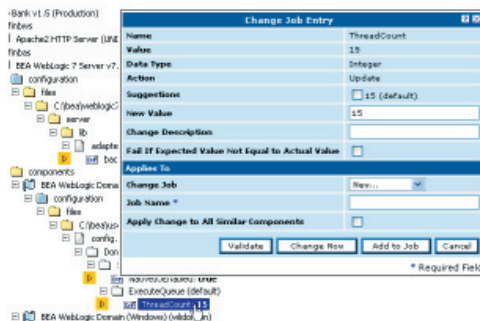
- Compare current configurations with historic snapshots to identify differences
- Compare hosts or application components from different locations or instances
- Automate comparisons to actively monitor application changes



CONFIGURE

Application management is not complete unless ITOs can make and correct changes. Cohesion is the first in the industry to provide cross-platform active change with the ability to correct configurations from a central point, all without the use of custom scripts or macros. In addition, Cohesion allows changes to be collected into Change Jobs for parameter-level provisioning so a series of complex changes can be applied across different hosts and application instances.

- Schedule corrections or make changes ad-hoc
- Apply configuration changes across hosts and applications for consistent and immediate problem resolution
- Track Change Job owners to ensure accountability of all changes



REPORT

The need to stay informed of changes is imperative in planning and compliance. Cohesion schedules formal application infrastructure reports as well as sends out ad-hoc notifications (via email and SNMP) about changes and policy violations. Cohesion’s set of base report templates can be customized to select columns, pivots, filters, and targets of the reports to ensure the right parties get the information they need to make mission-critical decisions.

- Get high-level analysis of operating system and component software instances
- Identify who made what change and when, including severity and categories
- Summarize and detail compliance results by host, component, and category



Sarbanes-Oxley Report Production Changes

Report Date: 10/21/2004 17:11:31 PDT
Generated By: derek
Source Application: Online Bank v1.5 (Production), Snapshot 08/02/2004:
Target Application: Online Bank v1.5 (Production)
Filters:
 Type of Comparison: Across Time
 Level of Comparison: Application to Application
 Comparison within Application: false
 Maximum Weight: High
 Minimum Weight: Low
 Component Blueprint: BEA WebLogic 7 Server v7.*
 Folder: Managed Files
 Business Attributes: All
 Categories: All
 System Filters: Never Run Change Detection, Time Variant

Host Summary Information:

	Differences	Id	?	!
Total	17	0	6	11
4finbas	3	0	0	3
6finbor9	2	0	0	2
3finbas	4	0	3	1
2finbas	1	0	1	0

COHESION BLUEPRINT LIBRARY

Cohesion automatically discovers and manages industry-leading enterprise applications, Web servers, application servers, messaging and operating systems, databases and networking devices—and all can be easily customized for any environment. The following is a partial list of the platform and application component Blueprints available for Cohesion.

Enterprise Applications	<ul style="list-style-type: none"> • Microsoft Commerce Server • Microsoft Exchange Server • TIBCO Suite* • PeopleSoft* • SAP R/3* • Oracle Financials* • Siebel*
Application Platforms	<ul style="list-style-type: none"> • BEA Tuxedo • BEA WebLogic • IBM WebSphere • J2EE Enterprise Application • Java Web Application • JBOSS Application Server • Java Development Kit • Java Runtime Environment • Log4J • SunONE Application Server
Web Servers	<ul style="list-style-type: none"> • Apache Web Server • Apache Tomcat Servlet Engine • IBM HTTP Server • Microsoft Internet Information Services (IIS) Server • SunONE Web Server
Messaging Systems	<ul style="list-style-type: none"> • Microsoft Message Queue (MQ) Server • IBM WebSphere Message Queue (MQ)
Active Directory Servers	<ul style="list-style-type: none"> • Microsoft Active Directory Server
Operating Systems	<ul style="list-style-type: none"> • HP-UX 11i • IBM AIX • Red Hat Linux • Red Hat Linux AS & ES • Sun Solaris • Microsoft Windows NT 4/2000/2003/XP
Relational Databases	<ul style="list-style-type: none"> • IBM DB2 Universal Database • IBM Informix Database Server • Microsoft SQL Server 2000 & Client • Oracle Enterprise Server • Oracle Database Client • Sybase Adaptive Server
Networking Elements	<ul style="list-style-type: none"> • F5 Big IP Application Traffic Management
Custom Components	<ul style="list-style-type: none"> • Open Source Applications • Legacy Applications • Custom Modules and Architectures

*currently in development



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