

# BladeLogic Database Automation

Drive dramatic improvements in speed, cost, and risk for your multi-vendor database environment

## PRODUCT DESCRIPTION

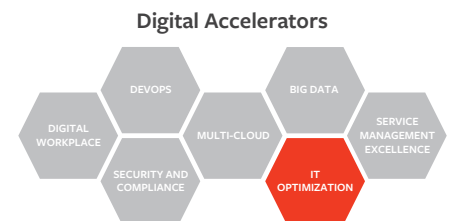
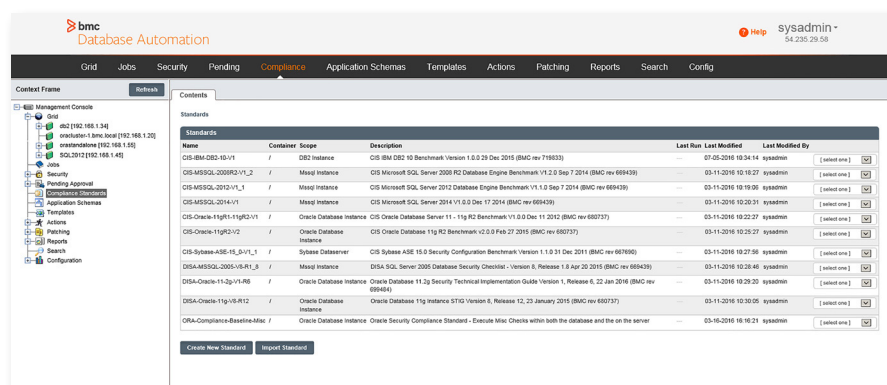
BladeLogic Database Automation is a multi-platform database automation solution that enables database administrators to deploy, patch, upgrade and maintain databases in 1/10th the normal provisioning time. Thus, administrators get more time to support the rollouts of new apps.

## BUSINESS CHALLENGE

In today's digital economy, innovative applications depend on fast-performing databases. Skilled database administrators spend a majority of their time ensuring the existing environments are well maintained, compliant, and secure. Security threats seek vulnerabilities at the database level, which put more pressure on IT to keep current on patches and compliance policies. **This gives IT little time to optimize database configurations and queries or push out new features for application releases.** Furthermore, the complexity of multi-vendor database environments, clustered configurations, and variations in version levels make change and innovation difficult.

## BMC SOLUTION

BladeLogic Database Automation improves efficiency, lowers costs, and reduces risk by automating routine administrative tasks and compliance processes. IT operations can accelerate deployment and patching, reduce security vulnerabilities, enforce compliance, and achieve greater productivity by streamlining the database management process. Therefore, businesses can stop worrying about the state of their databases and focus on driving growth.



## KEY FEATURES

BladeLogic Database Automation improves speed, cost, and risk with automated processes.

- **Simple** – Create a model-based approach and simplify the most complex database environments
- **Secure** – Leverage the compliance engine to stay continuously compliant and secured
- **Reliable** – Deploy patches and upgrades across database clusters without increasing downtime
- **Efficient** – Enable full-stack layered provisioning for rapid, automated resource allocation

## KEY BENEFITS

- **Cut database provisioning time by up to 95%**, including clusters and multi-version database support
- **Reduce manual tasks** for highly qualified resources by 85%
- **Expand the ratio of administrators to database** without impacting productivity or increasing operational costs
- **Scale** across your physical and cloud-based application environments
- **Reduce downtime and improve quality of service** by applying patches in a rolling fashion
- **Enable database administrators to focus on the most important jobs**, pending actions, and compliance standards with full reports to measure success—all in one solution.

## PRODUCT DETAILS

**Model-Based Database Automation:** Use out-of-the-box templates to provision, configure, deploy, and patch databases

**Pre-Flight Checks:** Automate validation to determine if an environment is configured correctly for database provisioning

**Compliance Engine:** Ensure continuous compliance using industry standards, vendor security patches, and remediation

**Environment Aware Management:** Discover and capture complex database configurations and interdependencies

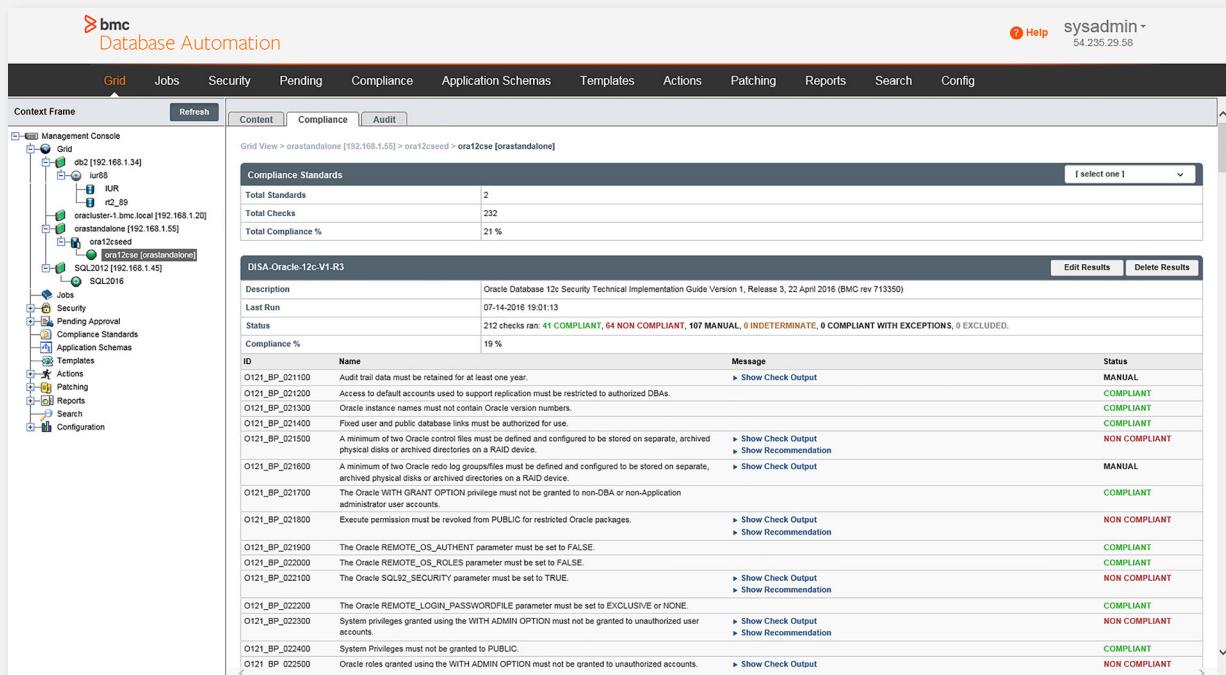
**Reporting:** Improve decision support across your heterogeneous environment by type, target, domain, rule, or standard

**Broad Integration:** Interact with other products in the BladeLogic Automation Suite and the Remedy IT Service Management Suite for operator-initiated change automation

**Role-Based Operations:** Provide users access control for provisioning, patching, and granular rollback in support of separation of duties


## FOR MORE INFORMATION

To learn more about BladeLogic Database Automation, please visit [bmc.com/it-solutions/bladelogic-database-automation](http://bmc.com/it-solutions/bladelogic-database-automation)



The screenshot displays the BMC Database Automation web interface. The top navigation bar includes 'Grid', 'Jobs', 'Security', 'Pending', 'Compliance', 'Application Schemas', 'Templates', 'Actions', 'Patching', 'Reports', 'Search', and 'Config'. The main content area is divided into 'Content', 'Compliance', and 'Audit' tabs. The 'Compliance' tab is active, showing a 'Grid View' for 'oras1andalone (192.168.1.55) > ora12cseed > ora12cse [oras1andalone]'. A summary table shows 2 Total Standards, 232 Total Checks, and 21% Total Compliance. Below this, a table lists compliance standards, with 'DISA-Oracle-12c-V1-R3' selected. This table shows 212 checks ran: 41 COMPLIANT, 64 NON COMPLIANT, 107 MANUAL, 0 INDETERMINATE, 0 COMPLIANT WITH EXCEPTIONS, and 0 EXCLUDED. A detailed table below lists individual checks with columns for ID, Name, Message, and Status.

ID	Name	Message	Status
O121_BP_021100	Audit trail data must be retained for at least one year.	➤ Show Check Output	MANUAL
O121_BP_021200	Access to default accounts used to support replication must be restricted to authorized DBAs.		COMPLIANT
O121_BP_021300	Oracle instance names must not contain Oracle version numbers.		COMPLIANT
O121_BP_021400	Fixed user and public database links must be authorized for use.		COMPLIANT
O121_BP_021500	A minimum of two Oracle control files must be defined and configured to be stored on separate, archived physical disks or archived directories on a RAID device.	➤ Show Check Output ➤ Show Recommendation	NON COMPLIANT
O121_BP_021600	A minimum of two Oracle redo log groupfiles must be defined and configured to be stored on separate, archived physical disks or archived directories on a RAID device.	➤ Show Check Output	MANUAL
O121_BP_021700	The Oracle WITH GRANT OPTION privilege must not be granted to non-DBA or non-Application administrator user accounts.		COMPLIANT
O121_BP_021800	Execute permission must be revoked from PUBLIC for restricted Oracle packages.	➤ Show Check Output ➤ Show Recommendation	NON COMPLIANT
O121_BP_021900	The Oracle REMOTE_OS_AUTHENT parameter must be set to FALSE.		COMPLIANT
O121_BP_022000	The Oracle REMOTE_OS_ROLES parameter must be set to FALSE.		COMPLIANT
O121_BP_022100	The Oracle SQL92_SECURITY parameter must be set to TRUE.	➤ Show Check Output ➤ Show Recommendation	NON COMPLIANT
O121_BP_022200	The Oracle REMOTE_LOGIN_PASSWORDFILE parameter must be set to EXCLUSIVE or NONE.		COMPLIANT
O121_BP_022300	System privileges granted using the WITH ADMIN OPTION must not be granted to unauthorized user accounts.	➤ Show Check Output ➤ Show Recommendation	NON COMPLIANT
O121_BP_022400	System Privileges must not be granted to PUBLIC.		COMPLIANT
O121_BP_022500	Oracle roles granted using the WITH ADMIN OPTION must not be granted to unauthorized accounts.	➤ Show Check Output	NON COMPLIANT

 Apply the compliance engine to your databases to run compliance policies, associate remediation operations to specific rules, and exclude environments that are irrelevant.

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**BMC – Bring IT to Life**

**BMC digital IT transforms 82 percent of the Fortune 500.**



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