



*The First 3 Steps to
Database Automation*

Delivered by:
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GridApp Welcomes You

- Thank you for attending
- Our presentation will last approximately 30 minutes
 - Topic: The First 3 Steps to Database Automation
 - Speaker: Matthew Zito, GridApp Chief Scientist
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About Matthew Zito

- Chief Scientist, GridApp Systems
- Formerly of EMC and Register.com
- Expert in using centralized management and automation to run large production applications

Today's Agenda

- Determine if your environment is ready to implement automation
- Develop a customized road map for switching to automation with a focus on initiation
- Identify the proper tools necessary to make the transition to automation
- Acknowledge procedures for internally managing the automation process
- Q&A

Are you ready to automate?

- Are you facing:
 - Pressure to improve DBA efficiency?
 - Onerous compliance or security requirements?
 - Overall IT automation initiatives?
- Would you like to have:
 - More time to tune and optimize environments?
 - A standardized, consistent database infrastructure?

If the answer is “yes” to any or all of these questions, you’re ready to automate.

Step #1: Automation Road Map

- Identify the key business drivers:
 - Regulatory Compliance
 - Security
 - Efficiency
- Target initial environments:
 - Migration project
 - Siloed database environment
 - Complex – RAC/VCS/MSCS
 - Non-standardized – version hodgepodge

Step #2: Using the Right Tools & Key Considerations

- What do you want to automate?
 - Server provisioning
 - Database provisioning
 - Patching
- What kind of reports do you want to see?
 - Compliance
 - Change identification
 - Audit trails
- Do you have remote or cross-functional teams?
 - Offshore
 - Remote locations
 - Mixed SQL Server and Oracle

Step #2: Using the Right Tools & Key Considerations (cont'd)

- Cross-platform
 - Does the tool support your whole environment?
 - Does it support your requisite operating systems?
- User interface
 - Web-based or fat client GUI?
 - Strong authentication for user security?
 - User actions are audited?
 - Ability to regionalize users into units, etc.?
- Ease of automation
 - How much scripting is required to deploy patches and other components?
 - As new versions of databases come out, how much of a burden is it on you to maintain the automation?

Step #3: Managing the Process

- Define standards for target environments:
 - Versions
 - Patches
 - File paths
 - Database configuration
- Build standards into the automation solution
- Test the automation:
 - Time results
 - Gauge repeatability

Introducing GridApp Clarity™

- Out-of-the-box automation of database provisioning and patching
- Built-in validation of server configuration based on industry and vendor best practices
- Standardized database environments with no scripting or packaging required
- Native awareness of Veritas, Oracle RAC, and SQL Server cluster environments

GridApp Clarity™ Automation

Model-driven automation

- Database architect takes organizational standards and builds “model” within Clarity that encompasses:
 - Database configuration
 - Database patches
 - Custom business logic
 - Custom metadata
 - Storage configuration
 - Lines of business or environments to attach to
- Models are cross-platform and cross-database versions:
 - Leverage the same standards for Oracle on Linux and Oracle on Solaris
 - Leverage the same standards for Oracle 9i and 10g

GridApp Clarity™ Automation

- Out-of-the-Box automation:
 - Removes the need for DBAs to write and maintain provisioning scripts
 - Allows customers to share in the aggregate knowledge of GridApp and other customers
 - Minimal ramp-up time to support different or new versions of Oracle or SQL Server, as Clarity already knows how to provision and patch those versions
 - Over time the automation becomes more comprehensive, continually reducing customer involvement (i.e. automation is used by all, not just a set of custom scripts for a single customer)

Schedule a Demo

- Email sales@gridapp.com
- **SUBJECT LINE = Demo**

Q&A

With Matthew Zito, Chief Scientist



Thank You!