

Enterprise Manager 12c Overview

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IT Department - DB Group





- ✓ Oracle/CERN team
- Outcomes

What's new?

- ✓ Oracle Management Service Management
- ✓ Framework Enhancements
- ✓ Fusion Middleware Management
- ✓ Database Management (Intro)
- ✓ Virtualization/Cloud Management (Intro)





EM 12c Beta @ CERN

CERN Team

- Eric Grancher
- Artur Wiecek
- Carlos Garcia Fernandez
- Luigi Gallerani
- Mariusz Piorkowski
- Andrei Dumitru
- Nicolas Marescaux
- Anton Topurov

Oracle team

- Andrew Bulloch (SCP team)
- Akanksha Sheoran (EM Product Management team)
- EM development team, Oracle Support

Tracks

- Installation/upgrade
- Framework
- Database Management
- Cloud Management







EM 12c Beta @ CERN

CERN & EM12c Beta Program

- Participating in Beta Phase 2 in Oracle HQ (March)
- Participating in Beta Phase 3 at CERN (this summer)
 - With Oracle on-site support during 1 week

Outcomes

- 57 pages of feedback reported to Oracle
- 10 Service Requests open
- Many bugs filled
- 58 issues found, many already fixed, some still under investigation!

Quote from Oracle

 "CERN has a very good reputation inside Oracle development for delivering high quality work and feedback and I'm sure in the EM Beta test their reputation will only be further enhanced with your efforts so a hearty thanks from us both !" – Andrew Bulloch, Director, Application Systems Management Products, Oracle.





Enterprise Manager 12c

CERN Total Cloud Control

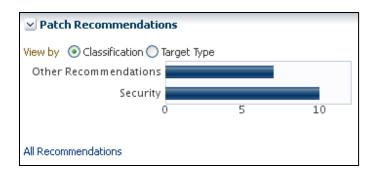
- Self-Service IT
 - Complete Lifecycle Management Manage
- Plan **Optimize** Setup Meter & Charge MWaaS Build Infrastructure as a Service Test Monitor Deploy

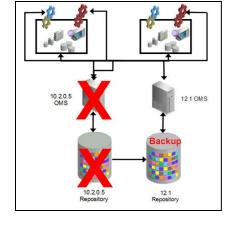
- Simple & Automated
 - Full Cloud Stack Integrated Management
- **Business-Driven**
 - Business-Driven, Service-Oriented Applications Management



Oracle Management Service

- Installation
 - Silent or graphical
 - "Install software only & configure later"
- Upgrade
 - From 10.2.0.5 or higher
 - New 2-systems upgrade approach
- Maintenance
 - Use Patch Recommendations to receive notification
 - Update Management Agents with Automated Patching feature



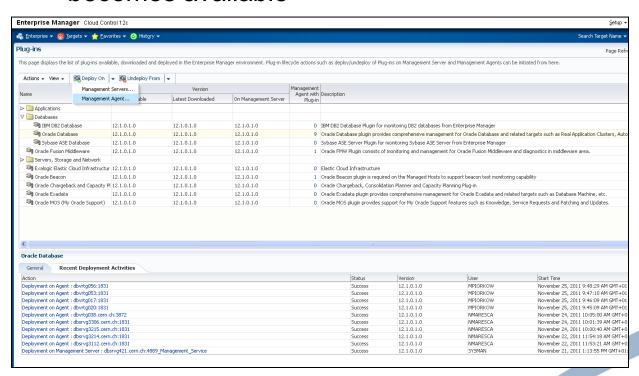






Framework Enhancements

- Pluggable Framework
 - Management & monitoring features for any type of target are now provided via plug-ins
 - Download & deploy new plug-in when support for a new target type (a new release of a monitored product) becomes available







Oracle VM Server Pool (2)

Infrastructure Cloud (1)

AISDBD, WORLD

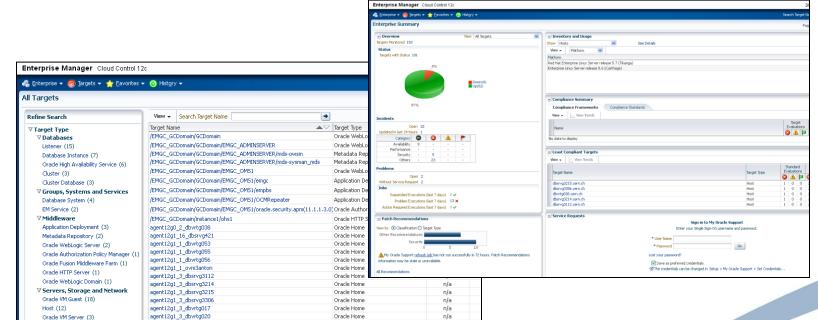
ATSDBD WORLD ATSDBD1

Framework Enhancements

- New Graphical User Interface
 - Fully customizable layout and target home pages
 - Intuitive tree-style menu
 - Global search improvements
 - New "Favorites" & "History" menus

Cluster Database

Database Instance





Framework Enhancements

- EM Administrators Authentication
 - Repository-based authentication
 - Provisioning/de-provisioning of EM user accounts from Microsoft Active Directory



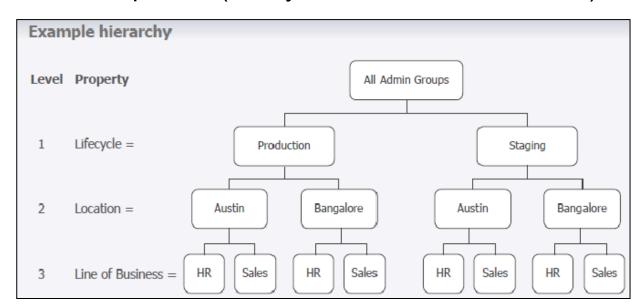
Enterprise Manager Authorization

- 200+ new Fine-grained Privileges for sensitive resources access control, 25 out-of-the-box EM user roles
- Support of SSH keys-based access to hosts
- Support of Kerberos tickets & PKI certificates access to Databases
- Named credentials securely stored and granted to EM users



Framework Enhancements

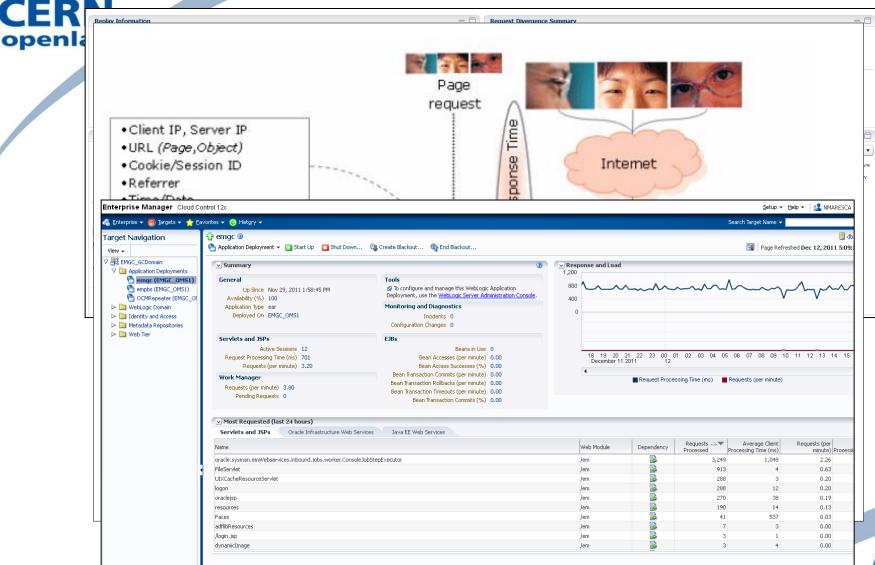
- New targets grouping model
 - New administration groups model
 - Based on hierarchical grouping & targets Global Properties (Lifecycle, domains, versions...)



New targets & association model

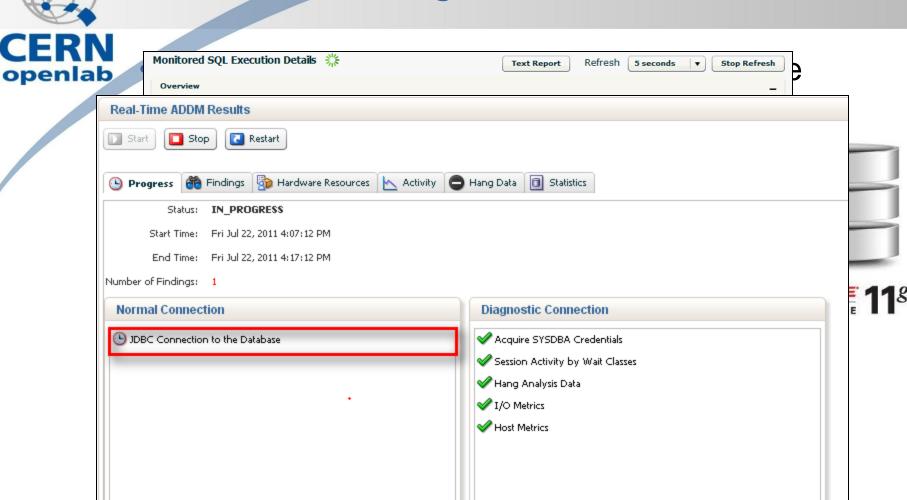


Middleware Management





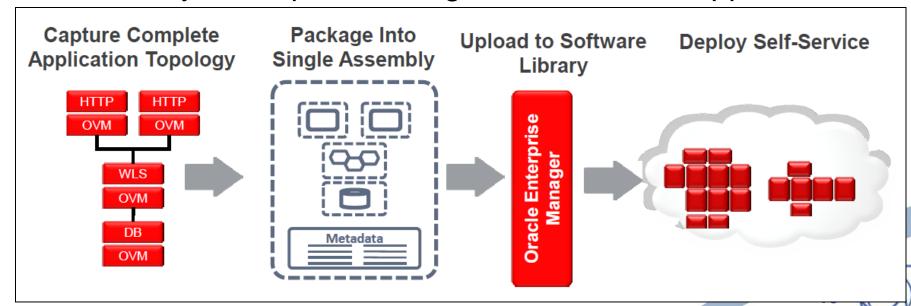
Database Management





Virtualization/Cloud Management

- Virtualization Management with OVM3 Integration
 - Manage zones & server pools
 - Monitor virtual servers resources
- Graphical view of Cloud Infrastructure topology
 - Drill down from application tier to storage details
 - Get details views of each layer
- Dynamic provisioning of IT resources/applications





Thank you!

