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Oracle Roadmap for Forms Applications

Oracle Forms Life Cycle

- Oracle Forms 6i / iDS/iAS (9.0.2)
- Oracle Developer Suite 10g (9.0.4)
- Oracle Application Server 10g (9.0.4)
- Oracle Developer Suite 10gR2 (10.1.2)
- Oracle Application Server 10gR2
- Up and coming Forms 11 release

Upgrade and Integrate

- Upgrade to the web
- Integrate with the J2EE application
- Integrate with the Application Server

Use Forms skills for J2EE development

- J2EE Applications develop with JDeveloper and ADF (Application Development Framework)
- Easy transition for Forms Developers
- Significant productivity gains

Oracle Roadmap for Forms Applications Contd.

Upgrade

- To web based deployment
- To the latest release of the product

Advantages

- Centralized deployment
- Ease of maintenance
- No training for end-users
- Interoperate with other applications
- Supported Environment

Example: Oracle E-Business Suite

- Moved to the web in 2000
- Upgrading now to the latest Forms release

Oracle Roadmap for Forms Applications Contd.

Integrate

- Forms and J2EE applications
- Single Application Server
- Share business logic and common services

Advantages

- Don't live in isolation anymore
- One infrastructure for all applications
- Seamless integration for the end user
- Leverage your existing investment

Example: E-Business Suite

- Mixed environment: Forms & J2EE
- Interoperate and share business logic

Oracle Roadmap for Forms Applications Contd.

Oracle Development Tools Strategy

- Make J2EE development accessible to Forms developers
 - Visual
 - Declarative
 - Productive
- Provide a migration of the skills
- Allow to reuse existing investments
- Certify partners for migration solutions

JDeveloper 10g and Oracle ADF (Application Development Framework)

Productivity with Choice

- Choice of technology
- Choice of development style
- Choice of deployment platform

Customer proven

- 5,000+ developers in the E-Business Suite Development
- Many customers in production

SQL*LIMS Product Roadmap

Product development plan

- Deliver periodic enhancements releases
- Customer Advisory Boards (CAB)
- Fortify the “bones”
 - Modernize the infrastructure
 - Provide a better user interface (LabConsole/Dashboard)
- Expand partnerships with 3rd-party vendors

Packaged Solutions

- SQL*LIMS plug-and-play solution for Pharma QC
- SQL*LIMS Forensic Navigator
- SQL*LIMS Petrochemical

Optional Products

- SQL*QA, SQL*Stability
- SQL*Protocol
- Environmental Monitoring

SQL*LIMS Product Roadmap Contd.

Functionality Enhancements

- Container Mgmt
- Instruments
- Reagents Mgmt
- Training
- Lab Console
- Control Printing
- Calc Builder
- Barcodes
- Dashboard

Technology Updates

Oracle 10g R2

- Core monitors replacement
- Linux
- Oracle UI upgrades

SQL*LIMS Product Roadmap Contd.

R&D Guiding Principles

- Customer Focus and Quality

Customer Focus

- Dedicated R&D team for existing customers –Sustaining Engineering
- Active customer participation in new development – CAB (Customer Advisory Boards), Iterative Development
- Platform modernization –JAVA, Oracle ADF (Application Development Framework)

Quality

- Test Automation
- Performance Testing
- Monitors Upgrade

Customer communication plan

- Quarterly WebInforms
- Annual User meetings
- Yearly account review
- New website –www.sqllims.com

Template Automation

Applied Biosystems Professional Services (ABPS) Template Automation Loader Tool

- Tool will be sold as a SQL*LIMS optional product.
- Goal - Implement a spreadsheet where SQL*LIMS® template objects (operations, methods, sample plans, etc.) will be specified for a particular instance.
- Excel spreadsheet is used which includes data entry validation features.
- Automated Upload of the Spreadsheet into SQL*LIMS®.
- Log file in XML and TXT formats generated during the execution, which describes in detail all processes.
- Reduction in the Template Building implementation phase of a project.
- Result in a more accurate and faster build of these objects.

Applying Patches

SQL*LIMS® patches

- Provide - Bug fixes, Security, Migration, Performance
- Patch Management Strategy should include:
 - Preparation and Change control
 - Testing and/or validation
 - Plan for rollbacks and Documentation
- Currently providing two patch types for SQL*LIMS®
 - “One Off” Patches
 - Provides ‘targeted’ fixes per patch
 - Delivered on an ‘as needed’ basis
 - Service packs
 - New program with many fixes included
 - Currently released quarterly
 - Released for all supported versions
 - NOT CUMULATIVE!
- Overview provided on v5.x patches.

J2EE Logger

C++ Logger

- Creates Sample related instance data
- Written in C++
- Single threaded

New J2EE Logger

SQL*LIMS® 5.0.1 patch release

- C++ Logger was super ceded with a J2EE based Logger
- Can switch back and forth between Loggers
- Manual installation in SQL*LIMS® 5.0.1

SQL*LIMS® 5.1

- Only the J2EE Logger will be supported
- Automatic installation in SQL*LIMS® 5.1

Performance testing - J2EE Logger up to three times faster than the C++ Logger

C++ Logger replaced by J2EE Logger to improve product in terms of:

- Stability, Performance, Agility, Quality

Migration Preparation

Prepare for a successful migration of SQL*LIMS® versions 3.1.2MR, v4.0.16 and v4.1 to SQL*LIMS® v5.

Migration Process

- Install the Oracle database
- Install the Fiorano software
- Install the OracleAS 10g Infrastructure
- Install the Oracle Forms and Reports Services (Midtier)
- Install SQL*LIMS® Forms and Reports
- Install SQL*LIMS® Business Logic Server Install SQL*LIMS® AdminTool & Utilities
- Install the Oracle Jinitiator
- Perform a backup of the database
- Backup <LIMS_DIR> before running Migtool
- Run the migration tool
- Install SQL*LIMS® patches
- Perform a complete backup