

## **Quick Review -- Siebel 8.0 New Features**

### **1) Administration Application → Responsibility related new views**

- Task
- Business Service
- Business Process (WF)
  
- Layout view for Tab Layout of screen/view

### **2) Enhanced Audit Trail engine:**

- Now available for all Bus Comp -- v/s -- CSSBCBase only
- Enabled and Configured thru "Administration - Audit Trail" screen v/s Tools BusService
- Now auditing is available when record is Read, Exported (it will list Row Id with total record count), Updated, Deleted -- v/s -- only Update and Delete in 7.8
- Result can be monitor in "Audit Trail" screen (Use PDQ) v/s custom view in previous version
- Displays Record modified by any User or Business Service/Process
- Can be activated against Bus Comp field, User, Position, Responsibility, Child Bus Comp
- Now OOTB Auditing available without SRF compile (requires Update Audit Cache)
- Can be impose Audit Trail rules on Siebel Remote as well

### **3) Security Adapter Authentication:**

- LDAP as a Single Security adapter for both LDAP and ADSI
- LDAP integration supported for all Unix and Windows v/s Windows only
- Administrator can create users directly in Siebel and replicate in ADSI/LDAP
- Now Authentication is done thru Web Service call

### **4) Data Encryption:**

- Supports individual fields using standard AES or RC2
- Each encrypted fields impacts on performance
- Encrypted field is searchable v/s cannot search in 7.8

### **5) Tools enhancement**

- Database File type can be DBF or BCP
- New database extract parameter "DataFileType" - BCP extension minimize the data size result in faster initialize and download time
- Applet and Bus Comp User Prop available as pick list (reduces time to find syntax and no more hidden prop)
- Expression builder for search spec, sort spec, value for user prop
- Allows display of a custom message when BC field's validation property is violated (works with property Message Display Mode)
- New Radio Button as applet control (uses value from bounded LOV)
- New Applet child object -- Applet Message - used to create a message with dynamic message content (BC field can be use as parameter %1 %2), Message control can be place on Applet with Field Type = "Message"
- Multiple tab for easy back-forth
- Multiple editor can be open simultaneously so you can copy from one tab to another tab (especially for WF, Task UI, Applet Control)
- Tab can be tile vertically/horizontally
- Tab can be drag to another position

- WF connector automatically drawn with right angles
- WF editor with Multi Value Property Window (MVPW)
- Separate toolbar for WF Simulator
- Ability to publish/activate a WF with one click eliminates need to explicitly activation in the client
- Multiple WF can be activated simultaneously (select all and click on activate)

## 6) Scripting

- Enable ST engine thru Client → Administration - Application → System Preference → Enable ST Engine = TRUE
  - ✓ Supports Type and Type less variables
  - ✓ Typed declaration allows compile to detect type any mismatch earlier
  - ✓ var gName = "Hello"; (example of type less)
  - ✓ var gName : chars = "Hello" ; (example of typed)
- Script Assist feature → Enable thru Tools → Options → Scripting → Script Assist (Note: ST engine must be enable to set this feature)
  - ✓ Assist feature lists Method, Field Name, etc (FYI, it reads from current Repository)
  - ✓ Tools Tip gives description of type, method, argument, etc
  - ✓ Currently Used method/library comes up as favorite and appears on top of the listing (session based favorite)
- Fix and Go -
  - ✓ Allows quick fixing script during Tools debug mode testing (no need to compile and close browser, repeat as necessary... cool thing)
  - ✓ Enable thru Tools → Options → Scripting → Fix and Go
- One New Bus Comp Method Added
  - ✓ GetSortSpec
- Watch Window displays the variable value in debug mode

## 7) Server Specific

- File System → Multiple directories for Siebel File System - helps improve performance
- Update Server → The Siebel Update Server provides a centralized location for managing and performing Siebel software updates and patches
  - ✓ Administrator may select client machines and schedule updates for them (push method)
  - ✓ Clients may check for updates and download them when it is convenient (pull method)

## 8) Task Based UI

- Uses a wizard-like interface to guide users through steps in a task
- Extends business process automation to the UI layer
- Uses new sets of Transient type of Bus Comps (table S\_TU\_LOG) and all the data entered during a task is initially stored in temporary storage managed by the Object Manager
- Does not support joins or MVG fields
- Bus Comp based on the special class CSSBCTaskTransient

- Supports forward and backward navigation through a sequence of views
- Supports branching based on user input
- Supports pausing and resuming tasks if users are interrupted
- Supports transfer of paused tasks to other users
- Click the “Task” button on tool bar to expose the Task pane
- A set of navigation buttons located above and/or below the applets known as “Play bar Applet”
- Click Pause to suspend task activity → All data and context is retained and a link to the paused task is added to the user’s inbox so user can resume the task
- Navigating outside the task view implicitly pauses a task → For example clicking a screen tab or the site map button
- Upon Submitting the task, Task view is closed and the previous standard view is displayed
- A workflow process can invoke a task OR a task can even invoke a workflow
- Responsibility can be associated to the Task
- Another alternate of Smart Script (but no radio button in Smart Script)

### 9) **Haley Rule Engine**

- Is a separate third-party application used to examine and develop Siebel business rules
- Provides the ability for companies to create and enforce rules that capture their business policies
- Rules are expressed in “natural English” rather than a script or SQL statements
- Is accessed by calling the Business Rules Service business service
- Uses client-side configuration rather than repository-based configuration and compilation
- Allows rules to be created, updated, and deployed during run time
- Can be invoked using:
  - i. An action set in a run-time event
  - ii. A business service step in a Siebel workflow or task
  - iii. A business service call in a script
- Deploy thru Haley Tools → Siebel Deployment → Provide client CFG file
- Administrator Deployed Rules via → Site Map → Administration – Business Rules screen
- Examples of Uses of Siebel Business Rules
  - i. Perform validation of data
  - ii. Provide default values for fields in records
  - iii. Provide default child records
  - iv. Update records
  - v. Implement dynamic read-only/required behavior
  - vi. Compute values of parameters to be used in decision steps in workflow process and UI tasks
  - vii. Perform business calculations

### 10) **Application Deployment Manager**

- Is designed to provide an extensible facility for quick, reproducible deployment of a wide range of customizations
  - i. Includes support for many data types
  - ii. Supports deployments ranging from a small patch with only a handful of application modifications to a major release with a new SRF file
  - iii. Allows creation of reusable deployment packages that can be applied to multiple target enterprises

- ADM has been significantly enhanced in Siebel 8.0
  - i. Support deployment of many data types unavailable in earlier versions
  - ii. Improve deployment performance
  - iii. New methods for exporting and packaging data for deployment
- Application Deployment Manager (ADM) recognizes areas of application customizations:
  - i. Database customizations, Examples:
    - 1. Lists of Values (LOVs)
    - 2. User Lists
    - 3. Assignment Rules
    - 4. Access Groups
    - 5. And many other data types
  - ii. Repository customizations made in Siebel Tools
  - iii. File customizations, Examples:
    - 1. Web Template files (.SWT)
    - 2. Image and Cascading Style Sheet (CSS) files
    - 3. Siebel Repository file (.SRF)
    - 4. Reports files
- New ADM architecture
  - i. The three major parts of the ADM architecture are the:
    - 1. Source enterprise
    - 2. Orchestration environment (Is a system used to execute ADM deployment). It includes,
      - a. The Siebel Management Server
      - b. A database containing records on all deployments and data types contained in ADM packages
      - c. An ADM command line interface (CLI)
      - d. An ADM registry file
      - e. A target enterprise profile file, which describes the target environment and deployment steps
    - 3. Destination enterprise(s) (Can be multiple targets)
- Export Database Customizations using Site map → Application Deployment Manager screen (create deployment project, enable it, select object type, provide search spec, if needed add child object, create session and export as file and path)
- Export Repository Customizations
  - i. Use Siebel Tools to export repository customizations
  - ii. Files created during export include:
    - 1. A .SIF file containing the changes
    - 2. A deployment descriptor file (XML)
    - 3. A log file of export steps and status
  - iii. Tools offers two methods for exporting customizations:
    - 1. Hot fix – typically a small set of hand-selected modifications
    - 2. Mid-level release – repository changes after a specified cutoff date (List of objects may be edited after it is generated)
- ADM Packages (it is directory structure) and Packager Utility (runs as CLI)
- All data can be restore back to the original (because auto backup is performed before copy)