

simulating REALITY™

MSC SOFTWARE®

MSC.sim MANAGER™

What's New in MSC.Enterprise Mvision 2006r1

November 15, 2005



Overall

- **Rolled Post 2004r2 enhancements into a formal release**
- **Performance Enhanced**
- **Curve Display Enhanced**
- **New Tags**
- **Improved Ease of Deployment**
- **Extended Control of Export Functions and Mapping**
- **IC Personalization**

Performance

- **Performance Enhancements significantly improved**
 - **Web Graphical Interface**
 - **Export Functions selection and refresh**
 - **Integrated Client**
 - **Decreased time to load the Java GUI**
 - **Decreased time to execute export**

Rolled Up Enhancements from EMV 2004r2 into General Release

- **Implemented WSSO (Web-Single-Sign-On)**
- **IC – API's that facilitate bundling the IC with integrations**
- **Implementation of Web Services**
- **Java 1.4.2 bundled**
- **Integrated Client Persists Application Queries passed by integrated software**
 - **Allows Pick List to be initialized with a query sent by the integrated software component.**
 - **Maintained for a specific database and user session regardless of changes to Navigation Views, Categories, or Units.**

Automated Deployment of Web Servers

- **Automated deployment to an installed Web Servers**
 - **Windows – using InstallShield**
 - **Unix – using the configure script**
 - **Supports major Web Server applications**
 - **Sun ONE Enterprise Server 6.0 or higher**
 - **Sun One 6.0 or higher**
 - **BEA WebLogic Server 6.1 or higher**
 - **IBM WebSphere Advanced Server 4.1 or higher**
 - **Jakarta's Tomcat 5.1 or higher**

New EMV Tags

- **Improve ease of use and/or user experience**
- **Implemented as an on/off Display Option**
- **Documented in the User Interface Implementation Guide**
- **Used to customize the html pages**

New Tags

- **Apply Query to Property Set**
 - Applies the current query to the property sets
- **Show Property Set Query**
 - Displays a popup menu in the property set page to filter property sets when more than one value exists for a Source attribute
 - Adds additional attributes until a single property set is displayed
- **Filter Export Targets**
 - Allows the user to turn/on of the display of export targets for which there is no export function (i.e. supported on in the IC)
 - `#{FILTEREXPORTTARGETS}` - Returns its current value as either “true” or “false”

EMV Tags, con't.

- **Show Thumbnail Curves**
 - Allows the user to turn/off the display of thumbnail curves in EMV
 - Displays a hyperlink to the display
 - $\{\text{SHOWTHUMBNAILS}\}$ - Returns its current value as either “true” or “false”
- **Show Common Data**
 - Toggles on/off the display of common data in the Property Set Display
 - $\{\text{VIEW_index_SHOWCOMMONDATA}\}$ - Setting this tag to “false” hides common data and shows the Property Set Filter condition next to the curves and property sets.
- **Show Plot Grid**
 - $\{\text{SHOWPLOTGRID}\}$ - Returns its current value as either “true” or “false”

Extended Control of Export Functions and Mapped Fields

- Allows the DBA to control the display and editing of explicit nulls in the EMV export page and the IC Java GUI
 - Supported using export attribute modifiers
- Control the display of available export functions in the EMV Export page.
 - Set the export function name to blank in the template

Curve Display Enhancements

- **Display of Grids on X-Y Plots**
 - Curve images using the “Show Plot Grid” option in the Property Set page.
 - Plot Applet uses an option accessed using the right mouse button to toggle on/off the display of grids
- **Pedigree Display in Plot Applet**
 - Plot applet popup window displays the complete materials pedigree information

IC Enhancements

- **Display Footnotes preference Integrated Client GUI**
 - Allows the user to toggle on/off the display of footnotes
 - Provided via a property for custom "look and feel"
 - Wrapped the text fields

Support of WSSO

- **Allows validation of user login information (i.e. User ID, Password, etc.) through an external source.**
 - **Default**
 - **EMV validates the user login using the flat text file SecUser.txt.**
 - **Implemented through the use of a DLL/Shared Library (SecurityAPI.dll/SecurityAPI. so).**
 - **New**
 - **System administrator must implement the new DLL/Shared Library and then replace the old library in <emv_root>/bin (on Windows platforms) or <emv_root>/lib (on UNIX platforms) with the new one.**
 - **Sample project stored in the <emv_root>/src/Security_api directory, which can be modified, compiled and used in place of the library distributed with EMV.**

Software Corrections

- ***Windows Only, Startup as Service –***
 - JNT Java Service Starter application now functions properly.
- ***Export of matrices via mapping file –***
 - A matrix (ARRAY) attribute can now be mapped as a complete array in addition to elements of the array.
- ***Utility commands perform correctly –***
 - errors in the FormDef2GrpConfig and GroupConfigValidator utility programs have been resolved.
- ***Configuration issues –***
 - reported error for the install/configure and install/db_configure scripts have been resolved.
- ***HTML errors and flow directives corrected.***
- ***Disclaimer stays ‘on top’ until dismissed.***