Promoted Events – Presentation Outline

I. Introduction - SRP Computer Solutions, Inc.

a. Revelation Software developers and consultants since 1991
b. Primarily focused in OpenInsight development for various industries
c. Providers of advanced programming and technical support for other consultants: Toledo & Associates, Leonardo Software, Occupation Health Software Systems, Synergistic Systems, GCAS Inc., Document Systems

II. What are Promoted Events?

a. Definition: Events that are tied to an application or type of control
b. Contrasted with Control-Specific Events
c. Alternative names: Global Events, Universal Events, Generic Events

III. Why use Promoted Events?

a. To easily provide application wide functionality
b. To manage all functionality tied to a specific event in one location
c. Visual demonstration: GOTFOCUS and READ Events

IV. How do Promoted Events work?

a. Analysis of the SYSREPOSEVENTEXES naming convention
b. Examination of a SYSREPOSWINEXES record
c. Another look at Event Chaining

V. How are Promoted Events created?

a. Create a function with the logic you want in the event
b. Copy the object code for this function from SYSOBJ to SYSREPOSEVENTEXES, renaming the record appropriately
c. Make sure the Event Name has been “Enforced” in the EventDesigner dialog box for the specific control type(s)
d. Whenever an event has been “Enforced” for the first time, log out of OpenInsight and then back in before proceeding (Suggestion: Enforce all your events at the same time so this only has to be done once)
e. Create a new form or recompile existing ones (Suggestion: Use the Entity -> Compile feature from the Application Manager to compile multiple forms easily)

VI. Efficient Management of Promoted Events

a. Downside of Promoted Events

   i. Difficult to debug
   ii. Must re-copy object code from the original function whenever changes need to be made
   iii. Usually must log out of OpenInsight and then back in whenever changes have been made (to clear cached code)
   iv. No repository entity created for deployment

b. Solutions

   i. Create Promoted Event shells
   ii. Use "commuter module" functions to manage all Promoted Event logic
   iii. Create Miscellaneous – Application Rows entities for each Promoted Event

VII. Creating Custom Events using Promoted Events

a. Use EventDesigner to create the Custom Event name and Event Parameters. Be sure to Enforce if you want this Custom Event to be Promoted
b. Create Promoted Events in SYSPROG to trap any activity in the application necessary to trigger the Custom Event
c. Create a "commuter module" function in SYSPROG to manage Promoted Event logic
d. Within the "commuter module" function, use the Send_Event function to execute your Custom Events, according to the logic you specified
e. See RIGHTCLICKUP example