

Pop-Up Manager

One of the biggest problems in session based host-to-Web applications is managing pop-up windows since Web applications window events are not related to server-side code. The Pop-up Window Manager's main aim is to solve this problem, by providing a clear API for managing pop-up Web windows on the server and client-side.

This feature provides the following solutions:

- Two objects (`gx_window` and `gx_window.opener`), with the same methods on the server and client-side, for opening, closing, refreshing, updating etc. Web windows.
- Natural integration within the ApplinX framework, so when a host window is recognized, a proportionate matching Web window is opened.
- The window object is independent from the ApplinX JavaScript engine.
- Different pages for instant windows (*instantWin.jsp* (JSP) /*instantWin.aspx* (.NET)), for different designs (without page templates for example).
- Provides server-side events for client-side events, as follows:
 - Server-side code event for the pop-up window close event, to allow synchronization with the host.
 - Server-side code event for main window close event, to allow closing the host session.
 - Main window refresh event called when the pop-up window is closed (can be canceled).
- ApplinX framework provides User Exits for canceling Web window openings (when you are not interested in displaying a host window as a Web window), or changing the default opening window size.
- ApplinX framework provides User Exits (`gx_changeNextForm`) for opening a non-host window as a Web window.
- Pop-up windows are modal, so the user cannot perform any action on the main window, which may cause synchronization problems.
- Allows you to perform updates from a pop-up window to the main window using client-side code, server-side code or main window refreshing.
- Solves the browser "flickering" affect. After pressing a host key, causing a minor change to the screen, the screen will display this minor change, without seemingly reloading the entire page (i.e. without the user seeing the "flicker" affect).

This feature uses a frameset file (*gx_container.jsp* (JSP)/*gx_container.aspx* (.NET)) to perform submits from the left part of the frameset to the right part, and back. This way, first the Submit is performed, and then if the host contains a window, it will be opened as a Web window. The `gx_window` represents the pop-up windows' API. Each `gx_window` object has access to its opener window which is also a `gx_window` object, and this way a pop-up window can access, modify, etc. its opener window both on the client and server-side. For example, `gx_window.opener.refreshPage()`, will refresh the opening page if the current window is an opener.