BridgeLink (PGSuper) Command IDs

This document catalogs the command IDs used by BridgeLink (the PGSuper executable) and the PGSuperAppPlugin application plugin. All commands must have a unique identifier to ensure proper command routing.

The available range of Command IDs given by MFC is 0x8000 (32768) to 0xDFFF (57343). This is 54067 user defined commands. MFC reserves all other command IDs for standard command handlers such as ID\_FILE\_NEW, ID\_FILE\_PRINT, and ID\_WINDOW\_TILE.

EAF reserves command IDs 0x8000 (32768) to 0x80FF (33023) for “built-in” commands. This is 256 commands. These commands include ID\_VIEW\_STATUSCENTER, ID\_APP\_LEGAL, ID\_TIPOFTHEDAY, and ID\_MANAGER\_APP\_PLUGINS. 100 command IDs in this range are reserved for the report creation commands that are found on the main menu, context menu, and toolbars (maximum of 50 reports) and the next 40 are reserved for toolbars. The toolbars menu is displayed when a user right-clicks over the toolbar docking area. It is used for defining the visibility of a particular toolbar.

BridgeLink (the main PGSuper executable) reserves 0x8100 (33024) to 0x81FF (33279), 255 command IDs, for its own use. These commands include ID\_HELP\_JOINARPLIST, ID\_HELP\_INET\_ARP, and ID\_HELP\_INET\_PGSUPER, BridgeLink also reserves command IDs 0x8200 (33280) to 0x8FFF (36863), 3583 command IDs, for plug-in commands for all application plug-ins. Of this, BridgeLink reserves 256 command IDs for plug-ins that add commands directly to the BridgeLink main menu, accelerator table, and main frame toolbar (some ComponentInfo object may do this). If an EAFAppPlugin adds support for plug-ins, it can reserve up to 3327 command IDs.

EAFAppPlugins can start their command IDs at 0x9000 (36864) and use regular MFC command routing. The PGSuperAppPlugin starts command IDs at 0x9000 (36864). The LibraryEditor AppPlugin starts command IDs at 0x9000 (36864)

Application Plugin (used in Library Editor) and Extension Agent (used in PGSuperAppPlugin) command IDs must be mapped through the command manager. With plug-ins and extensions potentially coming from different sources, it is impossible to require unique command IDs. The EAF framework is capable of dealing with duplicate command IDs and can route commands properly. The only limitation is that the total number of plug-in and extension commands not exceed 3583 (as defined above).