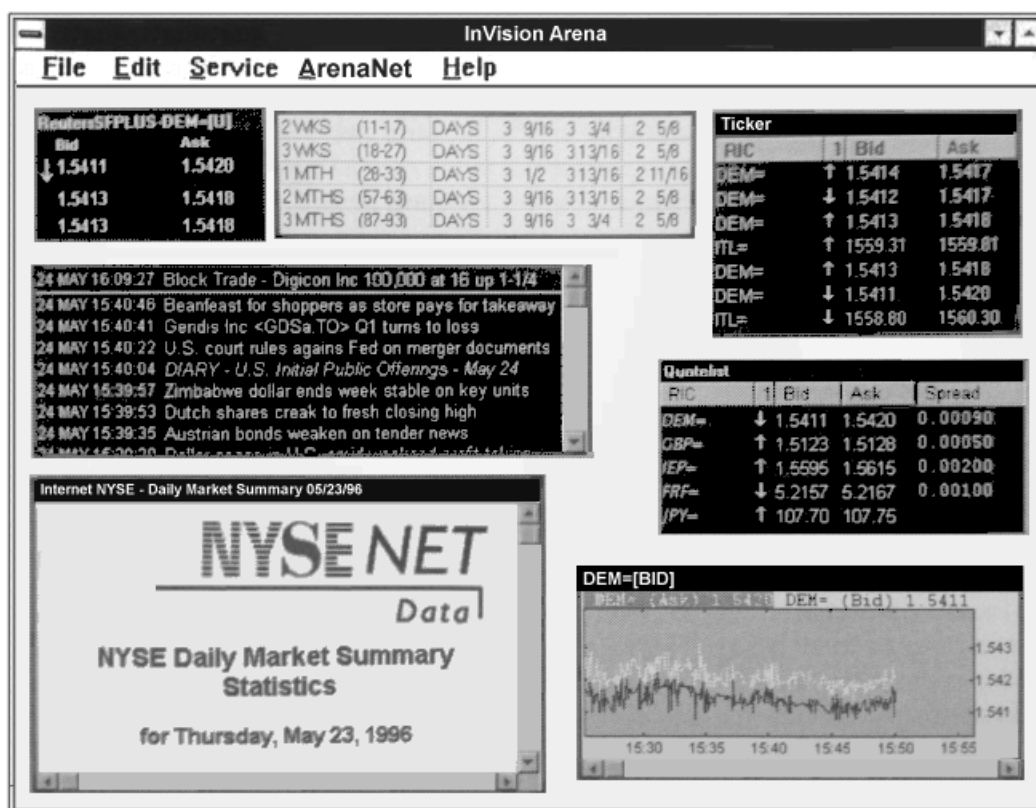# InVision +Arena

Chapter Four

Workspaces

This chapter provides an overview of ⁺Arena workspaces. It also lists the commands and procedures you use to create and work with workspaces, and indicates the online help topics available for learning how to perform workspace-related tasks and for understanding workspace dialog box options.

About Workspaces

⁺Arena's workspace is the area of the application window where you open and display frames that present you with the information you need for particular purposes. You can customize the workspace to suit your own requirements by:

- Requesting the pages, quotes, and chains you want to view to creating graphs, alerts, tickers, and quotelists a requesting data from add-in tools such as News, TS1 or ArenaNet.

- Inserting OLE controls and OLE linked and embedded objects from other applications,

- Positioning, resizing, and shrinking frames to suit your preferences,

- Changing frame display properties (colours, fonts, whether borders and titles are displayed/hidden, etc.) to differentiate different types of data and to tailor the visual presentation of the objects in the workspace.

- Setting up DDE links to send data to or receive data from other application.

- Setting the background colour of the Workspace area and displaying a graphic of your choice in the background there - these options apply to the Workspace area in general and are not specific to any one saved workspace.

If you have workspace arrangements that you especially like, or one regularly, it is not necessary to recreate and rearrange the frames your screen each time you wish to view them. Instead you can name the workspace, save it to disk and then reopen it with a single command or by clicking a tab on the workspace tab bar which is located below ⁺Arena's workspace area.

Options are also available for printing workspaces and for mailing them to other users who may, for example, wish to use them within their own ⁺Arena application.

Workspace Elements

When you create a workspace and save it to disk, the information stored with it includes:

- The name of the service and object displayed in each page, quote, and chain frame, the update type of the object, the properties of each frame, and, where relevant, the name of the mask applied to the object.

- The name, contents, and current properties of each graph, ticker and quotelist full details of all alerts and DDE links associated with the workspace.

- The name, contents, and current properties of each frame containing data from an add-in tool such as News, ArenaNet, or Time & Sales.

- Full details of any OLE controls included in the workspace full details of any OLE linked or embedded objects included in the workspace the position and size of every frame, and the area of the object currently displayed.

- A reference to the source file for any published frames included so that they can be reloaded from the local or network drive on which they are stored - the properties of a published frame are saved with the workspace but not the frame content.

- Full details of any composite frames included and references to any template associated with those frames.

Workspace Tabs

A row of coloured tabs can be inserted at the base of the Arena application window beneath the workspace and above the status bar. These tabs are designed to provide instant access to your most frequently used workspaces and to allow you switch between workspaces quickly and easily.

Using options on the pop-up menu associated with the workspace tab bar and with individual tabs, you can insert new tabs and delete existing ones.

Using options on a workspace tab's property sheet, you can associate any saved workspace with that tab so that it is immediately opened when you click on the tab. Other options on the property sheet allow you to label the tab and to change its colour.

An option on the General tab of the application's property sheet allows you to hide/redisplay the workspace tab bar and all associated tabs.

Default Workspace

The first of the workspace tabs on the workspace tab bar is named STARTUP. If you associate a workspace with this tab, that workspace is automatically opened whenever you start +Arena. It is the default workspace.

Supported Frame Types

⁺Arena workspaces currently support the following frame types:

- Pages, Quotes, and Chains
- Quotelists
- Horizontal and Vertical Tickers
- Graphs (real-time & TS1 data)
- Composite Frames
- Published Frames
- News (Indexes and Stories)
- Internet Pages
- Time & Sales Logs
- Reuters News Sessions
- Arena TV
- OLE Objects
- OLE Controls (OCXs)
- Labels
- Buttons

Workspaces and Tree View

The Workspace section of ⁺Arena's tree view lists all the types of objects that can be contained within a workspace. Under each type, it lists all the examples of that type included in the current workspace, including hidden frames. For example, the Pages category lists all page-based objects included in your workspace, and the Tickers category lists all tickers currently open in your workspace and the items included in each.

The Workspace section of the tree view therefore provides an overview of the entire contents of your workspace, and the pop-up menu associated with each item section provides Delete and Properties commands which enable you to delete or to view and change its properties.

Clicking on a frame name in tree view brings that frame to the foreground, makes the frame active, and, if it is a hidden frame, redisplays it.

If you wish to create more space for displaying frames in your Workspace, you can reduce the width of the tree view, or you can hide it completely.

IAW Layouts and ⁺Arena

Layouts created using the InVision⁺ Advanced Workstation are not directly supported by *Arena. However, using the IAW Layout Conversion tool, you can open IAW layout in Arena and then save it as an Arena workspace. Arena positions frames in the workspace in an approximation of their positions in the IAW layout. It automatically creates graph items (IDF files) for any IAW data collections included in a graph in the layout and immediately begins collecting data for those items.