

New Features

This chapter covers the following topics:

- Natural for Ajax
 - Object Types
 - Statements
 - System Variables
 - Application Programming Interfaces
 - Natural Runtime
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Natural for Ajax

Using the new product Natural for Ajax, you can create rich internet applications which use the Ajax (Asynchronous JavaScript and XML) technology. These rich internet applications use the Natural Web I/O Interface. This interface is available on UNIX and mainframe platforms only. The language extensions which have been made for this purpose (such as the new statement `PROCESS PAGE`) are listed in the remainder of these Release Notes.

A new example library, `SYSEXNJX`, is available for Natural for Ajax.

For detailed information on the installation and usage of Natural for Ajax, see the new *Natural for Ajax* documentation.

Object Types

The new object type "adapter" is provided in this version. It is used to represent a rich GUI page in a Natural application. For further information on this object type, see *Processing a Rich GUI Page - Adapter* in the *Programming Guide*.

Natural (system commands, utilities, etc.) has been enhanced in order to support this new object type.

Note:

The `EDIT` command is not currently supported for this new object type. A specific editor for objects of type "adapter" is planned for a future version.

Statements

The following new Natural statement is provided in this version:

| Statement | Description |
|---------------------------|---|
| <code>PROCESS PAGE</code> | Passes application data to a rich GUI page. |

System Variables

The following new Natural system variables are provided in this version:

| System Variable | Description |
|-----------------|--|
| *BROWSER-IO | Indicates that the application is running in a web browser. An application can run in a web browser either via the Natural Web I/O Interface or by using Natural for Ajax. |
| *PAGE-EVENT | Contains the name of the current event delivered from Natural for Ajax. It is used for rich GUI programming with the PROCESS PAGE statement. |
| *PAGE-LEVEL | Contains the level of the active PROCESS PAGE MODAL statements blocks. |

Application Programming Interfaces

The utility SYSEXT provides the following new application programming interfaces (APIs):

| API | Description |
|----------|--|
| USR2075N | Terminate EntireX Broker Service. Used with Natural Remote Procedure Call (RPC). |
| USR4003N | Retrieve Natural stack information (alphanumeric). |
| USR4004N | Retrieve dynamic Natural profile parameters. |
| USR6303N | Retrieve Natural stack information (Unicode). |

Natural Runtime

A new Natural Runtime application called *natrt.exe* is provided. This so-called "mini runtime" decreases the consumption of system resources. For further information, see *Starting the Application on the Runtime Workstation* in the *Operations* documentation.