



## **EGI Workstation-Based EMS/SPI 4GL Provider**

### Eclipse Generator Integration

#### Product Overview

EGI by Nexbridge brings the Event Management Service (EMS) and the Subsystem Programmatic Interface (SPI) capabilities to the desktop. Developers can easily build EMS C++ and Java class structures for complex event logging needs through the Eclipse workbench. EGI frees the developer from the hassle of writing DDL and compiling dictionaries on the NonStop and is a pure Java product.

#### **Key Features and Benefits**

- Executes as an Eclipse plug-in on any platform supported by Eclipse
- Events can be logged from Java or C++, or off-platform
- SPI commands can be issued to any subsystem from Windows or UNIX
- Platform independent development facility
- Platform independent execution
- Simple interface for developers
- NLS support available

#### **Multiple and Inherited Subsystems**

EGI supports the concept of base subsystems (like ZSPI, ZCOM, and ZEMS) where tokens are defined in one place and used by child subsystems. EGI also supports multiple subsystems co-existing in the same workspace. Your entire EMS structure can be represented quickly and efficiently.

## Generate on Save

Each time you save, EGI regenerates a clean copy of your definitions, suitable for version control systems. The generator is fast and has a small footprint.

## Integrated Eclipse Popup Access

The EGI product extends the Eclipse workbench to include editor windows for managing subsystem definition specifications:

The screenshot shows the 'Overview' tab of the EGI Eclipse popup. It is divided into several sections:

- Subsystem Identification:** Fields for Owner (NEXBRIDG), Name (SPIBRIDG), Number (3), Version (B00), DDL Alias (NSBR), and Description (Nexbridge SpiBridge). It also shows Template Id, Display, and External values.
- Generated Target Locations:** Fields for DDL Dictionary (NSBRDDL), DDL Target Subvolume (NSBRDEF), Ident, Root, Documentation Directory, Javadoc Directory, Template, BAM Summary, C/E/R Output, EVENTCX Output, and EVENTTD Output.
- Dependencies:** A checkbox for 'Subsystem Is A Registrar' and a list of 'Subsystems Needed By This Subsystem' containing 'NEXBRIDG'.
- Protocols Supported:** A list of checkboxes for supported protocols: Supports C++ content, Supports Java content, Supports Native EMS, Display Event Names, Supports EMS over JNI, Supports EMS over JDBC, and Supports SPI Request/Response.

At the bottom, there are 'Add' and 'Delete' buttons, and a navigation bar with tabs for Overview, C++, Java, Enum, Types, Tokens, Maps, Commands, Events, Errors, C/E/R, and XML.

The above screen capture shows a sample of what the EGI plug-in looks like to a user. The Nexbridge RETool product was built using EGI.

## System Requirements

**Software** Eclipse Europa 3.3 or Ganyamede is recommended on the workstation running a Java 6.0 runtime (recommended). S-Series (G06.27+) or NS-Series (H06.09+) is recommended for the SPIBridge component.

**Generates** C++, Java, DDL, EMS, SPI, EMS over JDBC.

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## Ordering information

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Please contact your Nexbridge sales representative or [sales@nexbridge.com](mailto:sales@nexbridge.com) to find out more about the EGI by Nexbridge product. Corporate licenses and volume discounts are available. Annual license fees per seat and per host apply. All information is subject to change.

Please visit <http://www.nexbridge.com/Products> for more information.