Business Partner

Pretty Fast Messaging (PFM) for EMS Medium Edition

EMS Message Distribution, Presentation, and Manipulation

Product Overview

PFM offers a unique way of processing and presenting EMS messages by shifting the workload from NonStop™ Servers to workstations. Using the power of the Java 6 Runtime Environment, couple with a unique understanding of how the NonStop Event Management System behaves, Nexbridge has developed a suite of facilities for getting the most out of EMS without wasting precious CPU cycles on your NonStop Servers.

Key features and benefits

- Message distribution through SSH for secure distribution
- No EMS parsing or template processing on NonStop Servers
- EMS parsing done through Java classes on workstations
- Standard template support on workstations
- Simple event Export to Microsoft Excel
- Quick chart view
- Multiple templates can be used simultaneously
- Internationalization of templates and cause/effect/recovery

The heart of PFM is the EMS/SPI core parser; a Java class library that knows about the internal format of the Subsystem Programmatic Interface (SPI) message buffer. It converts EMS messages into workstation-based objects that can be easily processed by application programs. The EMS/SPI core parser can run entirely on a workstation, so that all processing is offloaded from NonStop Servers.

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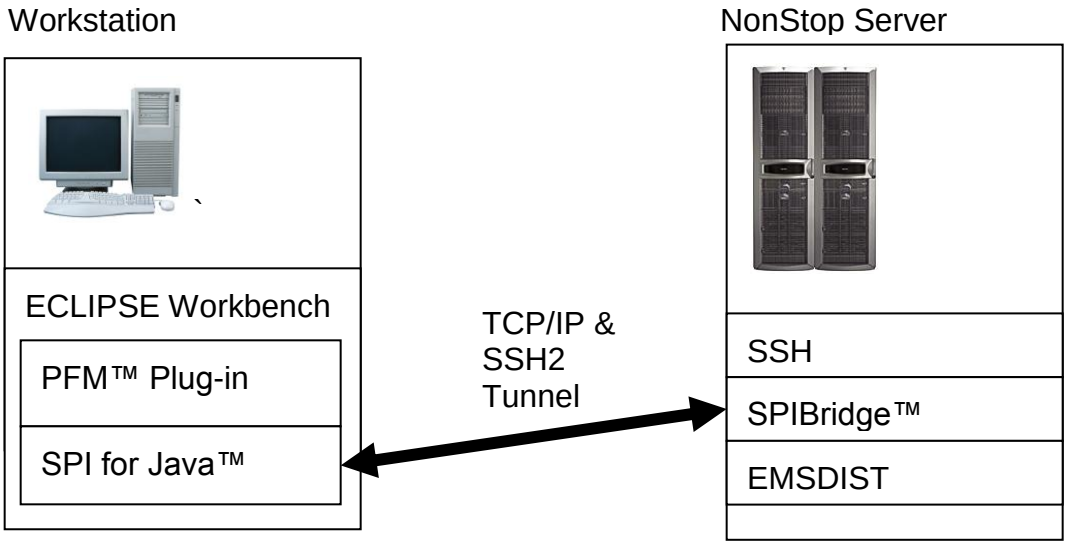
PFM Medium Edition Architectural Overview

PFM has a straightforward architecture that enables it to provide efficient and reliable capabilities:



Note that SPIBridge™ is a required component. RETool communicates with EMSDIST using the SPIBridge™ client and server using SPI for Java™[i]. EMSDIST acts as a consumer distributor and performs message pass-through for up to ten EMS collectors.

Using SSH for communication, PFM ensures that confidential event data is not visible in-the-clear on unsecured networks. This means that even support staff operating remotely can securely monitor EMS.

This product has many variants. Please discuss your needs with your Nexbridge sales associate.

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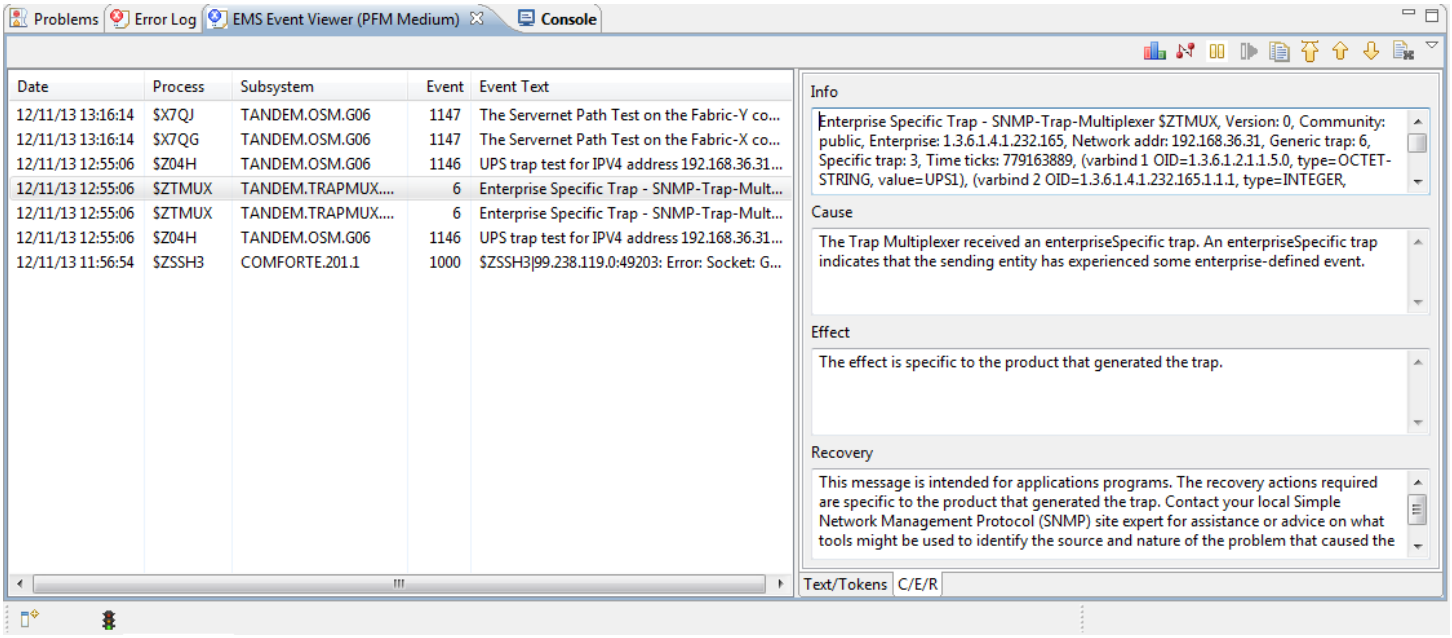
The Event View

PFM has a simple view of events, with a single table showing all events. Selecting an event immediately shows the cause, effect, and recovery information, if available in EVENTTD, any available EVENTCX files, or XML description files that can be created for any language.



The table can be simply sorted by clicking on any column header. The *Event Text* column displays either the values any available template in the system configured template file, and/or any other file set that you specify. PFM Medium supports at least ten template files.

Template files are cached locally. They are downloaded when PFM runs initially and automatically after the files change. PFM also reads the system configuration from $ZZKRN to determine the current template file in use.

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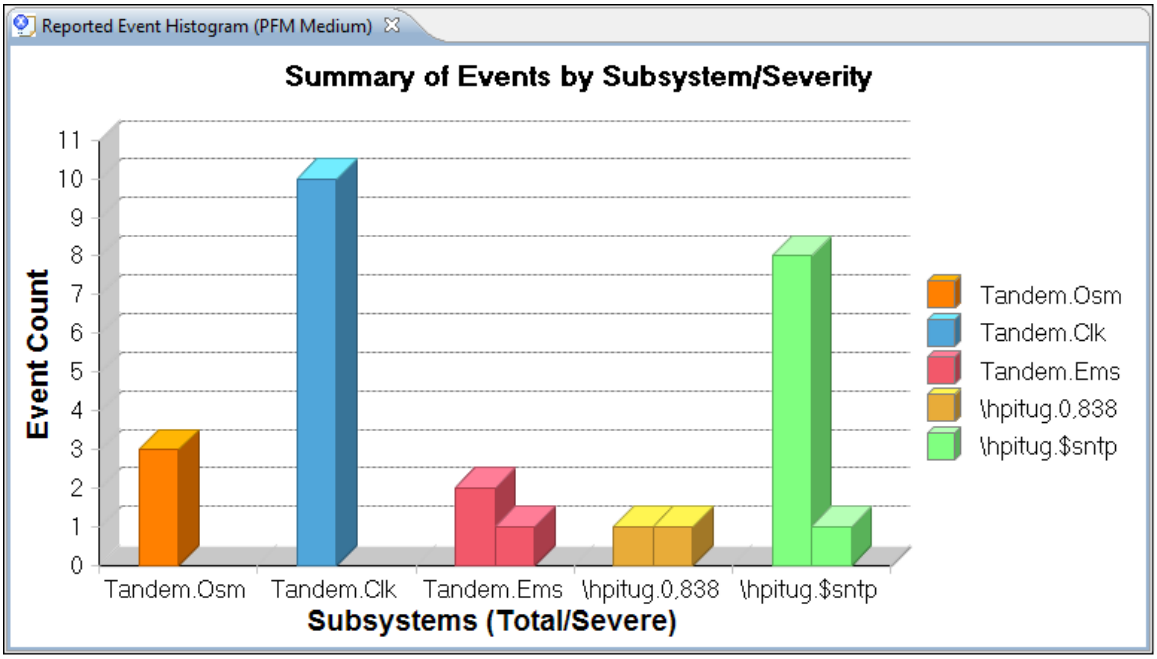
The Chart View

By clicking on the chart icon, users direct PFM to compute a histogram of events, by subsystem or process, with a separate bar for those with emphasis. This allows you to quickly identify subsystems that are contributing to problems on your system.



Filter Support

Users are also able to specify host-based filters. Configured using ECLIPSE Preferences, users can specify up to ten filters that EMSDIST will apply before sending events to PFM.

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Technical specifications

System requirements

Hardware	HP NonStop Integrity Server HP NonStop Blade Server
Software	Java 6 Runtime Environment Eclipse Plug-in and RCP Platforms NonStop SSH2

Supported HP platforms

Hardware	HP NonStop Integrity and Blade Servers
Software	NonStop Operating System and OSS RVU H06.23 or greater NonStop Operating System and OSS RVU J06.12 or greater
Workstations	Windows 2000, XP, Vista, Vista64*, Windows 7 MAC OS 10.6+ Linux (various flavours)

Ordering information

Please contact your Nexbridge sales representative or sales@nexbridge.com to find out more about the PFM by Nexbridge product. Corporate licenses and volume discounts are available. Initial license fees and recurring maintenance fees may apply. All information is subject to change.

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

* RCP Workstation support is currently limited to Windows Eclipse platform only. Other platforms can be support on request. Integration with full ECLIPSE is supported on any platform. PFM has no platform limitations of its own.

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