

CrossTalk™ Alarm Logging Services

Alarm Logging for OSI Events and Alarm Objects

- ◆ Provides a generic logging facility within the HP TeMIP framework
- ◆ Supports capture and storage of OSI events at the Access Module level
- ◆ Supports capture and storage of Alarm Objects at the Operation Context level
- ◆ Essential tool for retaining a record of filtered alarms in the HP TeMIP framework
- ◆ Allows analysis of Low Level Event Filtering policy and raw alarm history

The CrossTalk™ Alarm Logging services provides a facility within the HP TeMIP framework to log OSI events at the low-level event filtering level or at the alarm object level. It supports alarm logging for GAT, IST, OSI and Corba AMs without the need to modify or rebuild Access Modules.

The CrossTalk™ Alarm Logger, which operates on OSI events, can be configured to output logged alarms using different Log Modules. The following Log Modules are provided with the standard product:

- ◆ Operation Context Log Module
- ◆ ASCII File Log Module

The following optional Log Modules are also available:

- ◆ Oracle Log Module
- ◆ XML Log Module
- ◆ TCP/IP Log Module

Operation Context Log Module

Alarms are captured in real time and written to one or more Operation Contexts, where they can be exported into Oracle using the standard HP TeMIP archive mechanism.

ASCII File Log Module

This Log Module outputs alarms to an ASCII text file in comma separated value (csv) record format, for processing by other systems.

Oracle Log Module

Alarms are stored directly into Oracle in real time. This supports the standard Oracle Alarm Logging Database product from SysMech, or can be customized to support a bespoke Database schema.

XML Log Module

Alarms are stored in an XML file for processing by other systems.

TCP/IP Log Module

Alarms are logged to a TCP/IP socket for processing by other systems.

Logged Alarm Browsing

The Alarm Logging Services are complimented by the CrossTalk™ Archive Alarm Viewer, which can be used to view all alarms in the HP TeMIP archive alarm database.

Log Modes

The Alarm Logger can be configured to operate in two modes:

Log Mode Filtered: in this mode only alarms that are blocked by HP TeMIP Low Level Event Filtering are logged. The alarms are tagged with full details of the filter that blocked them.

Log Mode All: in this mode all alarms are logged.

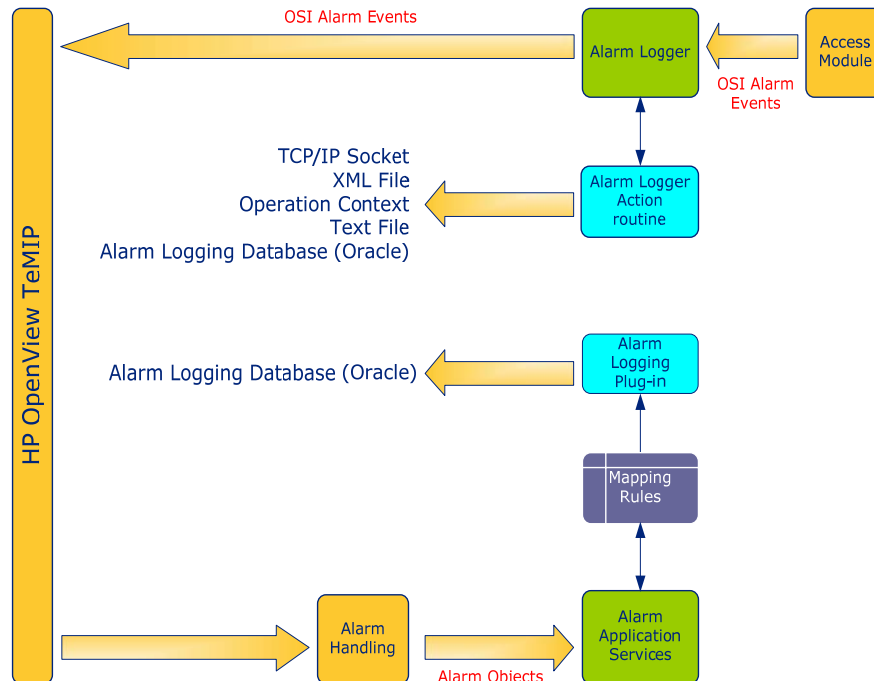
The Alarm Logger provides the following functionality:

- ◆ Control of Logging Scope
- ◆ Suspend/Resume Alarm Logging
- ◆ Log Module control for alarm output
- ◆ Log Mode (Filtered or All)
- ◆ Set Log Tag that is written to every logged alarm

Alarm Object Logging Plug-in

Alternative logging capability, providing ability to log OC located Alarm Object data via Alarm Application Services to the Alarm Logging Database product from SysMech.

CrossTalk™ Alarm Logging Services



Key Features:

- ◆ Captures and stores OSI events that are blocked as a result of the use of HP TeMIP Low Level Event Filtering, enabling analysis of Event Filtering policy and raw alarm history
- ◆ Alarm Objects collected in OCs can optionally be logged using the CrossTalk™ AAS in conjunction with Alarm Logging plug-in
- ◆ Generic Alarm Logging facility that is independent of Access Module type, i.e. supports GAT, OSI, IST and CORBA AMs
- ◆ No modifications required to Access Modules which have support for HP TeMIP low level event filtering
- ◆ Modular architecture supporting different Log Modules for output of logged alarms
- ◆ Operation Context Log Module creates Alarm Objects in one or more Operation Contexts for viewing and archiving to Oracle
- ◆ ASCII File Log Module outputs alarms to ASCII Text File
- ◆ Other Log Modules available for direct output to Oracle, XML, TCP/IP, etc.
- ◆ Supports the Oracle Alarm Logging Database product from SysMech, or can be customized to support a customer provided Database schema
- ◆ Alarms tagged with full details of the HP TeMIP Low Level Event Filter that blocked them
- ◆ Complimented by the CrossTalk™ Archive Alarm Viewer to view standard or filtered alarms in the Oracle Alarm Logging Database or standard HP TeMIP archive alarm database
- ◆ Configurable to log all alarms from an Access Module, or just filtered alarms

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