CrossTalk™ Liaison Products

HP OpenView TeMIP—HP OpenView Operations Bridge

- Fully featured integration between HP OpenView TeMIP and HP OVO/NNM
- Provides a highly configurable capability for the management of OVO alerts via HP OpenView TeMIP
- Enables the power of these products to be fully utilized in a mixed mode network architecture
- First line fault management integrated through HP OpenView TeMIP, without the need to refer directly to the HP OVO/NNM system
- Features include powerful entity modelling and mapping, full resynchronization, bi-directional alarm status updates and contextual launch of the HP OVO GUI

OVERVIEW

Extensible Entity Model

The bridge can model every type of device (handled by HP OVO) as a different HP OpenView TeMIP class/sub-class. By default all entities are modelled under a default class. HP OVO alarms can be mapped to specific entities, or by default (prior to dataload) all alarms are mapped against a default entity. Device Management AMs can be produced quickly via an automated generation facility (from XML entity class/ subclass definition files) to provide support for new classes.

Dataload Facility

Ability to extract the nodes details from the HP OVO database; generate the HP OpenView TeMIP FCL commands to create and register the related entities and domain members in HP OpenView TeMIP; execute the HP OpenView TeMIP commands on the appropriate HP OpenView TeMIP director.

Configurable Mapping Rules

The Mediation Services AM uses the CrossTalk™ Mapper engine. Rules to translate HP OVO events into HP OV TeMIP events can be modified and dynamically reloaded. The CrossTalk™ Mapper GUI is available as a graphical editor for the mapping rules.

Bi-directional Acknowledge & Terminate

The Alarm Acknowledgement FM is used to propagate bi-directional acknowledgements and terminations. The operator note is also kept in synchronisation from HP OVO to HP OVO TeMIP.

Resynchronisation

The Device AM Current Problem List provides standard resynchronisation between the OCs and the Device Management AMs. The AMs synchronise with HP OVO in the event of communications loss and subsequent reconnection.

Contextual Launch of OVO GUI

From the HP OV TeMIP Client a contextual launch of the HP OVO graphical application is available.

Generic Device Management AM

The Bridge is supplied with a generic device AM supporting the following model:

Class TOB_NODE (Global Class Id 1448)

Subclass Application (1)

Subclass Component (2)

Failover Capability

Mediation Services AM supports configuration of an HP OVO failover host and directive based switching to failover system.

Multiple HP OVO host connection

Mediation Services AM supports configuration of multiple HP OVO host systems.

Configurable HP OVO Agent

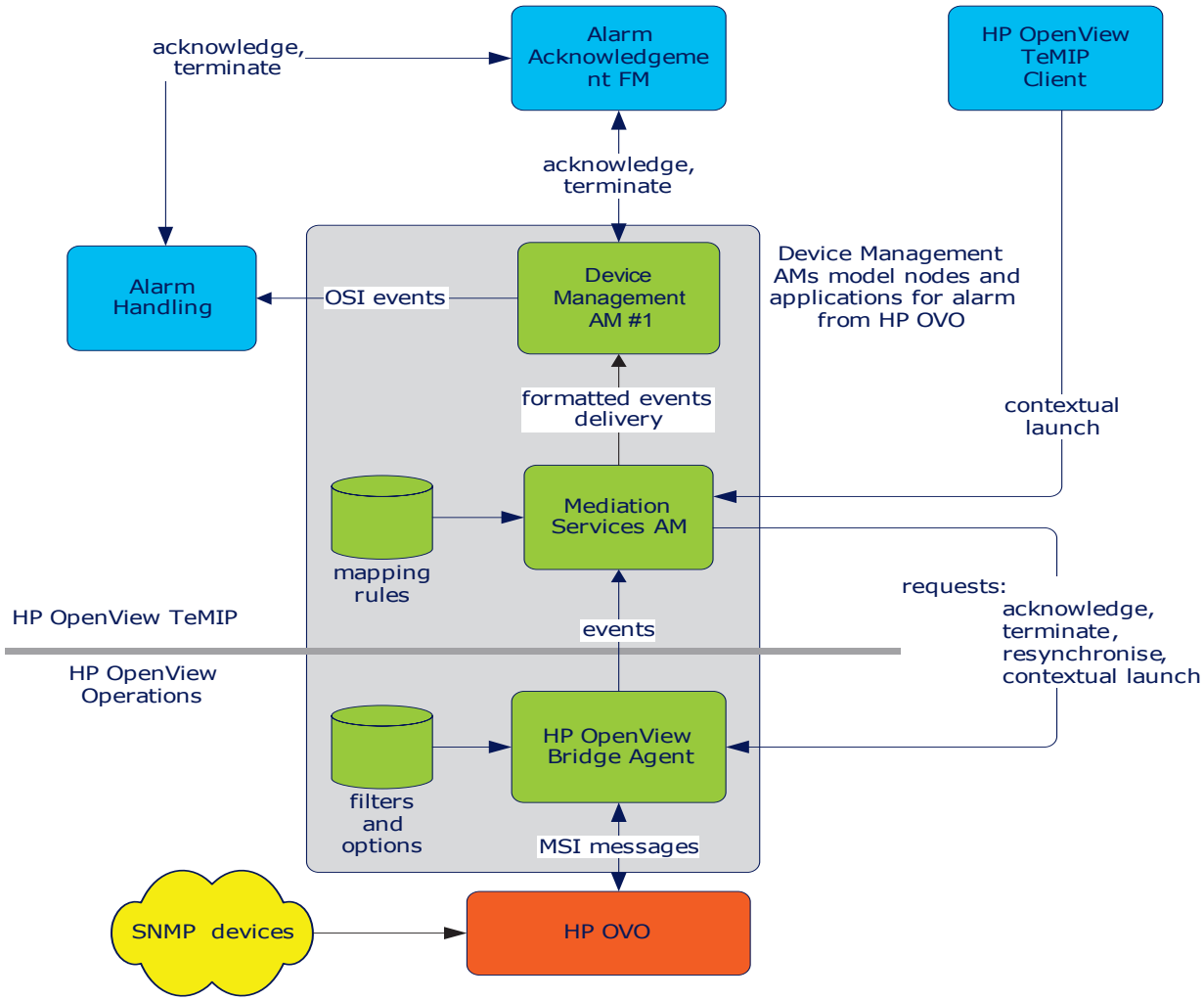
The HP OVO Bridge agent can be configured with sophisticated filters controlling northbound HP OVO message flow.

HP OpenView TeMIP—Operations Bridge

ARCHITECTURE

Traps/alerts from devices managed by HP OVO are forwarded by the HP OVO Bridge Agent to the Mediation Services AM. The Mediation Services AM maps the HP OVO alarm attributes to TeMIP OSI event attributes. A specific HP OV TeMIP/HP OVO Bridge set of configurable mapping rules provide the mapping capability. Once mapping has been completed the Mediation Services AM forwards the event details to the appropriate device AM providing the entity model to which the alarm is targeted. The device AMs generate TeMIP OSI events based on the event details passed from the Mediation Services AM.

The following diagram shows the interactions between all components operating in the solution:



Systems Mechanics Ltd
Ferndale Court, 4 West End Road, Mortimer, Reading, RG7 3SY
Tel: +44 (0)118 9332220 Fax:+44 (0)118 9333807
Email: sales@sysmech.co.uk

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