Tivoli. software

Netcool/OMNIbus Integration Module

for

ADVA Optical Networking FSP-NM

Release 07

Tivoli Netcool Technology Program

(IBM Developed Integration – February 28, 2011)

Tivoli Netcool Technology Program

Introduction

This document describes the integration of ADVA Optical Networking FSP-NM with the real-time event- and fault-management solution Netcool/OMNIbus, part of the IBM Tivoli Netcool product suite.

This integration has been developed by the IBM Tivoli Netcool Technology Program team, with the technical cooperation and assistance of ADVA Optical Networking AG. The integration has been tested and validated by the IBM release engineering team.

The Netcool/OMNIbus Integration Module is made available, maintained and supported by IBM. The integration package is available for download from the IBM Tivoli Open Process Automation Library (OPAL) site.

This document provides the following information:

- Description of the functionality of the integration
- Software prerequisites
- Release/ version information
- Installation guide
- Screenshots of the fully configured integration

Netcool/OMNIbus Integration Module - Description

The Netcool/OMNIbus Integration Module for ADVA Optical Networking FSP-NM provides a log-file based integration between the ADVA Optical Networking FSP Network Manager and Netcool/OMNIbus. The ADVA Optical Networking FSP Network Manager logs alarms and events into an ASCII logfile that is being monitored by Netcool/OMNIbus via the Generic LogFile probe and the associated configuration rules file developed by IBM. The ADVA Optical Networking FSP Network Manager will notify Netcool of any alarms and events supported by the ADVA Optical Networking event and alarm catalogs.

This IBM-developed Netcool/OMNIbus Integration Module provides the following functionality:
- Automated deduplication of events and alarms in Netcool/OMNIbus
- Automated 'Generic Clear' correlation of problem/resolution events
- Informative and descriptive event presentation in Netcool/OMNIbus

Netcool/OMNIbus Integration Module – Release number and content

This Netcool/OMNIbus Integration Module for ADVA Optical Networking FSP-NM release 07 includes the following files:

- `adva-FSPNM.glf.rules`
- `adva-FSPNM.glf.lookup`

Software Requirements and Dependencies

- Netcool/OMNIbus v3.6 or v7.x
- Netcool/OMNIbus Generic LogFile Probe (nco_p_glf)
- ADVA Optical Networking FSP-NM release 3.3 or later (includes support for 6.4.2)

Installation of Probe Rules files

Please note that it is assumed that $OMNIHOME is set to "/opt/netcool/omnibus". If a different path is used, replace all instances of "/opt/netcool/omnibus" below with the appropriate path.

1. **Copy the following files to $OMNIHOME/probes/<arch>**

   - `adva-FSPNM.glf.rules`
   - `adva-FSPNM.glf.lookup`

2. **These amendments should be made in $OMNIHOME/probes/<arch>/glf.props:**

```
RulesFile        : '$OMNIHOME/probes/<arch>/adva-FSPNM.glf.rules'
LogFileName      : '<path_to_logfile>/eventlog.csv'
LineSeparator    : '\n'
ValueSeparator   : '|'
IgnoreNullFields : 0
QuoteCharacter   : 034
```

3. **The reference to adva-FSPNM.glf.lookup in the adva-FSPNM.glf.rules file should be configured to point to the appropriate location.**

4. **Create a new Class in the Object Server with the following values**

```
Class Number = 40565
Class Description = ADVA FSP-NM
```

   Resync the Object Server Classes in your Netcool/OMNIbus EventList.

5. **Restart the Generic LogFile Probe (nco_p_glf).**

Notes

See the individual files for additional version information.

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Screenshot Example

The following figure shows an example of a Netcool/OMNIbus EventList, populated with ADVA Optical Networking FSP-NM events:

References

- FSP_Network_Manager_v6_4_1_ReleaseNotes_Rev-A.pdf
- alarmMap_642.csv and eventMap_642.csv (updated alarm- and event-tables)

Appendix A. Notices

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