Fusion Monitor Server

2013R1

© 2009-2013 Ping Communication AS

Table of Contents

1   Document Introduction

1.1   Document Purpose

The purpose of this document is to give a tutorial on how to use the Fusion Monitor Server.

1.2   Document Audience

The readers will have some interest in Fusion, but they don't have to be system operators (highest user level).

1.3   Document History

Version	Editor	Date	Changes
1.0.0	Jarl André Hübenthal	25-Feb-09	Initial public release.
1.0.1	Jarl André Hübenthal	23-03-09	Update release
1.0.2	Morten Simonsen	01-Jul-09	No change, just bumped version no.
1.0.3	Jarl André Hübenthal	13-07-09	No change, just bumped version no.
1.0.4	Jarl André Hübenthal	13-07-09	SSL Handshake fix
1.0.6	Jarl André Hübenthal	19-11-09	Fixed default properties, configuring smtp with or without SSL/credentials
1.0.7	Jarl André Hübenthal	23-11-09	Fixed issue with monitor server not able to send email alerts. Added documentation for email alerts.
1.0.8	Jarl André Hübenthal	28-09-10	Better logging
1.0.9	Jarl André Hübenthal	19-10-10	Update release
1.0.10	Jarl André Hübenthal	12-01-11	Reviewed doc
1.3.2	Morten Simonsen	13.02.2013	Completely reworked version, simplified

2   Introduction

The monitor page on Fusion Web is used for monitoring Fusion modules, and is an effective debugging tool in cases where you get a feeling that something is not working as it should in your system. By default the monitor service has a very short interval for checking the modules. So by default you will be able to quickly see if a system has went down.

In addition to being integrated into Fusion Web, you can also check its status directly. You can access it as a standalone application:

```
http://hostname:port/xapsmonitor/
```

The monitor service is currently only checking that the modules are alive and responding, and it does not, at this moment, check if the modules are working as they should. You can debug the modules individually by looking into the syslog and/or logfiles.

You can access the monitor page from the Fusion Web if you have the appropriate rights and if it is set to enabled in xaps-web.properties. You can also access it directly as a standalone application.

3   Configuration

```
# Fusion Monitor Server Properties


# Configure SMTP settings.
# sender and receivers of the alerts.
# separate receivers with a comma

# Set to true to see information about the mail-sending - could be visible in
Catalina.out logs
#alerts.smtp.debug    = false
# SMTP hostname - the below example shows how to use a gmail-account to send emails
alerts.smtp.host     = smtp.gmail.com
# SMTP port
alerts.smtp.port     = 465
# SSL? true/false
alerts.smtp.ssl          = true
# STMP username, may not be necessary for a "local" STMP host
alerts.smtp.user     = your-gmail-user
# STMP password, may not be necessary for a "local" STMP host
alerts.smtp.pass     = your-gmail-password
# Email-address to send monitor messages. Also trigger alarms can end up here.
alerts.to                 = to-email@address.com
# The from address
alerts.from               = from-email@address.com

# Monitoring URL base
# The URL base used to monitor  modules (core, stun, spp, syslog, tr069, web, ws)
# The monitoring is performed by the Monitor-module, and default is to monitor
# the local modules. One could change this urlbase to monitor remote Fusion servers
# instead of the local one, and create a system where two Fusion servers monitor
each other
# (which we would optimal). In case of monitoring local modules, alarms may not
# be sent if the whole server goes down.
# Default is "http://localhost/"
monitor.urlbase     = http://localhost/

# Email URL
# The URL to reach web from outside Fusion (will be used in all emails regarding
Monitor
# Alarms og Trigger Alarms/Reports). Specify the correct hostname of your Fusion
server
# Default is "http://localhost/", which will not work well for most cases!
fusion.urlbase             = http://localhost/


# Database connection
db.xaps.url                = xaps/xaps@jdbc:mysql://localhost:3306/xaps
db.syslog                  = db.xaps
```

The first part of the configuration is about sending email. The example above shows how you could connect to the Gmail-SMTP-server to send an email, but you of course choose other SMTP-servers. The "alerts.to" field can contain a comma separated list of email-addresses. This email address is default for all mail going out of Fusion, so if a Trigger is defined in Fusion, with no email-address specified, this email address will be used.

The monitoring url base decides which server should be monitored. As mentioned in the comment, you could have two Fusion Monitoring Servers monitoring each other...or you could have Fusion Monitor Server running on a separate host from the rest of Fusion.

Fusion.urlbase is a property which makes it easier to identify and link to the server from outside. Thus, email-reports will use this urlbase in the links, even though it may be different from what is actually monitored (monitor.urlbase may still be "localhost").

The last part is to setup database connection. Most likely you do not need to change anything (if you run the database locally) and if you've followed the installation procedure on how to change the password of the database.