



EMC® Watch4net®

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APG Self-Monitoring Collector Admin Guide

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Preface

Purpose

The purpose of this guide is to provide information about the *APG Self-Monitoring Collector* and the way to use it. This guide includes all necessary information to configure and run.

Intended Audience

This guide is intended to be read by any administrator who wants to enable APG-Health collect.

Prerequisites

APG Self-Monitoring Collector needs the APG Collector-Manager to work.

Document Organization

1. Overview	This section exposes the features of the <i>APG Self-Monitoring Collector</i>
2. Configuration	This section teaches how to configure the <i>APG Self-Monitoring Collector</i>

Where to get help

EMC support, product, and licensing information can be obtained as follows:

PRODUCT INFORMATION - For documentation, release notes, software updates, or information about EMC products, go to EMC Online Support at:

<https://support.emc.com>

TECHNICAL SUPPORT - Go to EMC Online Support and click Service Center. You will see several options for contacting EMC Technical Support. Note that to open a service request, you must have a valid support agreement. Contact your EMC sales representative for details about obtaining a valid support agreement or with questions about your account.

1

Overview

The *APG Self-Monitoring Collector* has been designed to collect raw values from *APG* modules. It collects data to give a status on the health of *APG*. For now, the *APG* Backend, Frontend and Collector-Manager automatically provide data for *APG* health.

1 Features

1.1 Auto Discovery

The *APG Self-Monitoring Collector* automatically detects every module installed in the same *APG* install. It collects data from every *APG*-Health compatible module (many modules are now supported).

Configuration

1 *APG Self-Monitoring Collector* Configuration

The configuration file for the *APG Self-Monitoring Collector* is named *apg-self-monitoring-collector.xml*. To use the *APG Self-Monitoring Collector*, the APG-Collector-Manager configuration file *collecting.xml* must refer to this file. Here is an example :

```
<!-- This is the apg-self-monitoring-collector -->
<collector enabled="true" name="APG_HEALTH" next="PropertyTaggingFilter" config="APG-Self-Monitoring-Collector/Default/conf/apg-self-monitoring-collector.xml" />
```

The *APG Self-Monitoring Collector* configuration file contains polling options to collect data.

Note: All *APG Self-Monitoring Collector* configuration files are located in its `conf` directory.

Here is an example of the default configuration file.

```
<?xml version="1.0" encoding="UTF-8"?>
<apg-self-monitoring-collector-configuration xmlns="http://www.watch4net.com/APG/Collector/
APGSelfMonitoringCollector" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.watch4net.com/APG/Collector/APGSelfMonitoringCollector_1.0/apg-
self-monitoring-collector.xsd_1.0">
  <default-polling>
    <group>group</group>
    <period>300</period>
    <connection pool-size="5"/>
    <properties refresh="6"/>
  </default-polling>
  <locations>
    <location id="LOCAL">
      <local/>
    </location>
  </locations>
</apg-self-monitoring-collector-configuration>
```

1.1 Default polling

This tag defines default polling options for each location.

group Aggregation and retention group.

period Polling period in seconds.

connection pool size Maximum concurrent threads running.

properties refresh When to refresh properties. There are two notations allowed. The first one: a positive integer (n) to call refresh properties on (n) polls. In this example (5) means refresh properties each (5) polling. The second notation allowed is a time and a delay formatted like this : HH:MM/(seconds). For example: 00:00/21600 means that properties will be refreshed each midnight (00:00) and every six hours (21600 seconds is equal to 6 hours).

Note: When refreshing properties on scheduled time, the refresh will be done with the nearest following polling. For example, if the polling period is 720 (15 minutes) and the refresh properties option is set to 00:00/21600, the first refresh of each day will be done between 00:00 and 00:15 at the same time of the polling.

1.2 Locations

Each location tag represents a different JMX enabled JAVA application.

local Enable auto-discovery for locally installed *APG* modules. When starting a new APG-Health compatible module in *APG*, the app will automatically detect it and start polling it.