



EMC® Watch4net®

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## Delay Filter Admin Guide

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# Preface

## Purpose

The purpose of this guide is to provide configuration and usage information about the Delay Filter.

## Intended Audience

*APG* administrators and system integrators, as well as users responsible of managing data collection configuration should read this document.

## Prerequisites

- The *APG* collector manager must be installed. This filter module may be used with *APG* versions 5.0 and later.

Document Organization

|                  |                                               |
|------------------|-----------------------------------------------|
| 1. Description   | A description of this filter function.        |
| 2. Requirements  | Requirements for this filter.                 |
| 3. Installation  | Instructions on how to install this filter.   |
| 4. Configuration | Instructions on how to configure this filter. |

Common Abbreviations and Acronyms

Not Applicable      There are no abbreviations used in this document.

# 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:

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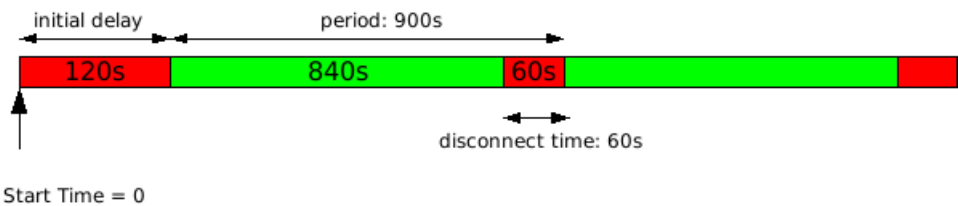
# 1

## Description

The delay filter is used to block values from reaching the next component in the collecting chain for a specified amount of time at startup. It can also be used to block values at a scheduled interval during the collecting process.

The two following cases are covered:

- Wait until X seconds have passed after startup before letting any values go through, then do not block values after that time has elapsed. This is the base case.
- Wait until X seconds have passed after startup before letting any values go through, then accept values for the next Y seconds, then reject them for Z seconds, accept for Y seconds and so on. This case is depicted below, where 120s will pass before values are accepted, values are accepted for the next 840 seconds, blocked for the next 60 seconds, accepted for 840 seconds, blocked for 60 seconds and so on.



# 2

## Requirements

- The APG Collector Manager module must be installed. Versions higher than 5.0 are supported.
- The Fail-Over-Filter shall also be present in the collecting architecture, otherwise the blocking action will impact the collecting process, stopping it completely while this filter is blocking values.



# 3

## Installation

The Delay Filter module may be installed like any other module. The package name is: “delay-filter”. Use the module manager to install this module.

Then, edit the `APG/Collecting/Collector-Manager/Default/conf/collecting.xml` file (location may vary depending upon installation location and Collector-Manager instance name) and insert the following line in the existing configuration. Please refer to the *APG Backend Administration Guide* if unsure on how to do this.

```
<?xml version="1.0" encoding="UTF-8"?>
<config ...>
  <connectors>
    ... connector already defined ...
  </connectors>
  <filters>
    <filter enabled="true" name="Fail-Over-Filter" next="Backend"
      config="..." />
    <filter enabled="true" name="Delay-Filter" next="Fail-Over-Filter"
      config="Delay-Filter/Default/conf/delay-filter.xml" />
    ... previous filter ...
  </filters>
```

The “delay-filter.xml” configuration file should be located in the APG/Collecting/Delay-Filter/Default/conf/ directory. This file will contain your customized configuration for this filter. Edit it as explained in this document’s Configuration section. Then restart the *APG* Collector Manager service.

# 4

## Configuration

This section contains configuration examples as well as the description of the available configuration elements.

To specify a 15 minute delay at startup, use the following parameters:

```
<?xml version="1.0" encoding="UTF-8"?>
<delay-filter-config delay="900" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="delay-filter.xsd"/>
```

To specify a 20 minute delay on startup, then accept values for the next 45 minutes and block them for 15 minutes:

```
<?xml version="1.0" encoding="UTF-8"?>
<delay-filter-config delay="1200" period="3600" disconnectTime="900" xmlns:xsi="http://www.w3.
org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="delay-filter.xsd"/>
```