



EMC® Watch4net®

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HexToDecIpAddressConverter Filter Admin Guide

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EMC²

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Preface

Purpose

The purpose of this guide is to provide configuration and usage information about the HexToDecIpAddressConverter 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. Installation	Instructions on how to install this filter.
3. 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:

<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

Description

The HexToDecIpAddressConverter Filter is used to convert Hexadecimal IP Address strings (0x00 0x00 0x00 0x00) to a decimal format (0.0.0.0). It may also be used to convert Hexadecimal MAC Address (0x00 0x00 0x00 0x00 0x00 0x00) to a more standard MAC address format (00-00-00-00-00-00).

2

Installation

The HexToDecIpAddressConverter Filter is contained in the “ip-sla-filter” module. The package name is: “ip-sla-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 (if not already installed).

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>
    ... next filter ...
    <filter enabled="true" name="HexToDecIPAddressConverter" next="PropertyTaggingFilter"
      type="HexToDecIpAddressConverter"
      config="IP-SLA-Filter/Default/conf/hex-to-dec-ip-address-converter.xml" />
    ... previous filter ...
  </filters>
```

The “hex-to-dec-ip-address-converter.xml” configuration file should be located in the APG/Collecting/IP-SLA-Filter/Default/conf/ directory. This file will contain your customized configuration for this filter. Create and edit as explained in this document's Configuration section. Then restart the *APG* Collector Manager service.

3

Configuration

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

1 Configuration example

Let's use the following example in order to create a configuration for this filter:

```
<?xml version="1.0" encoding="UTF-8"?>
<p:hex-to-dec-ip-address-converter-config xmlns:p="http://www.watch4net.com/hex-to-dec-ip-
address-converter"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.watch4net.com/hex-to-dec-ip-address-converter_hex-to-dec-ip-
address-converter.xsd">
  <p:property>ifacemac</p:property>
  <p:property>trgadr</p:property>
  <p:property>colladdr</p:property>
  <p:property>srcadr</p:property>
  <p:property>dnstradr</p:property>
  <p:property>namesrvr</p:property>
</p:hex-to-dec-ip-address-converter-config>
```

Note: Please use an XML editor which supports XML schema validation to edit this configuration file.

2 Configuration elements description

Elements are as follows:

- `<p:property>` : This element specifies the raw value property name which contains the hexadecimal string to convert.