



EMC® Watch4net®

Version 6.3u2

Property Concat Filter Admin Guide

P/N: pending

Rev : 40030

EMC²

Copyright ©2010 - 2014 EMC Corporation. All rights reserved. Published in the USA.

Published April, 2014

EMC believes the information in this publication is accurate as of its publication date. The information is subject to change without notice.

The information in this publication is provided as is. EMC Corporation makes no representations or warranties of any kind with respect to the information in this publication, and specifically disclaims implied warranties of merchantability or fitness for a particular purpose. Use, copying, and distribution of any EMC software described in this publication requires an applicable software license.

EMC², EMC, and the EMC logo are registered trademarks or trademarks of EMC Corporation in the United States and other countries. All other trademarks used herein are the property of their respective owners.

For the most up-to-date regulatory document for your product line, go to EMC Online Support (<https://support.emc.com>).

Contents

Preface	iii
Purpose	iii
Intended Audience	iii
Prerequisites	iii
Document Organization	iv
Common Abbreviations and Acronyms	iv
Where to get help	v
1 Description	1
2 Installation	3
3 Configuration	5
1 Configuration example	5
2 Example	6

Preface

Purpose

The purpose of this guide is to provide configuration and usage information about the Property Concat 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 Property Concat Filter is used to concatenate property values into a new property.

2

Installation

The Property Concat Filter module may be installed like any other module. The package name is: “property-concat-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>
    ... next filter ...
    <filter enabled="true" name="MyFilter" next="NextFilter"
      config="Property-Concat-Filter/Default/conf/property-concat-filter.xml" />
    ... previous filter ...
  </filters>
```

The “property-concat-filter.xml” configuration file should be located in the APG/Collecting/Property-Concat-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.

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"?>
<tns:config xmlns:tns="http://www.watch4net.com/property-concat-filter" xmlns:xsi="http://www.
w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.watch4net.com/property-concat-
filter,property-concat-filter.xsd">
  <tns:concat-properties removeSourceProperties="false">
    <tns:property-name-value>HistoryCollectionSense</tns:property-name-value>
    <tns:new-property-name>tagOwner</tns:new-property-name>
    <tns:concat-separator>.</tns:concat-separator>
    <tns:source-property-name>owner</tns:source-property-name>
    <tns:source-property-name>tag</tns:source-property-name>
  </tns:concat-properties>
</tns:config>
```

Elements and attributes are as follows:

- `<tns:concat-properties>` The concat-properties element defines a property generating action. At least one action must be defined here. The `removeSourceProperties` attribute defaults to false. Setting this to true results in removing the properties used to generate the new property.
- `<tns:property-name-value>` Selects raw values processed by this filter, based on their name property. In this particular case, raw values with name="HistoryCollectionSense" will be selected, others are ignored. One or more `<tns:property-name-value>` may be specified in the configuration.
- `<tns:new-property-name>` The new property, which contains the concatenated property values.
- `<tns:concat-separator>` The field separator, used to separate the values in the generated property. A printable ASCII 7bit character should be used here. This separator is optional.
- `<tns:source-property-name>` The source property, used to designate the value to concatenate. At least one property must be specified here. The concatenation process follows the order of the declared source properties.

2 Example

Given the configuration shown in the previous section, the following raw value will be processed by the filter:

```
(r)1263501905: group::W4NSnmp-1.10.10.10.10.stdIfT3..1.5..1.-285423075({ifname=Fa0,
name=HistoryCollectionSense, owner=me, tag=anothertag
```

The processed raw value will have one more property: *tagOwner*:

```
(r)1263501905: group::W4NSnmp-1.10.10.10.10.stdIfT3..1.5..1.-285423075({ifname=Fa0,  
name=HistoryCollectionSense, owner=me, tag=anothertag, tagowner=me.anothertag
```

Note: Missing properties will not appear in the generated property.
