

Using Separate Ports in EFM

Date published: 2019-04-15

Date modified: 2024-07-23



Legal Notice

© Cloudera Inc. 2024. All rights reserved.

The documentation is and contains Cloudera proprietary information protected by copyright and other intellectual property rights. No license under copyright or any other intellectual property right is granted herein.

Unless otherwise noted, scripts and sample code are licensed under the Apache License, Version 2.0.

Copyright information for Cloudera software may be found within the documentation accompanying each component in a particular release.

Cloudera software includes software from various open source or other third party projects, and may be released under the Apache Software License 2.0 (“ASLv2”), the Affero General Public License version 3 (AGPLv3), or other license terms. Other software included may be released under the terms of alternative open source licenses. Please review the license and notice files accompanying the software for additional licensing information.

Please visit the Cloudera software product page for more information on Cloudera software. For more information on Cloudera support services, please visit either the Support or Sales page. Feel free to contact us directly to discuss your specific needs.

Cloudera reserves the right to change any products at any time, and without notice. Cloudera assumes no responsibility nor liability arising from the use of products, except as expressly agreed to in writing by Cloudera.

Cloudera, Cloudera Altus, HUE, Impala, Cloudera Impala, and other Cloudera marks are registered or unregistered trademarks in the United States and other countries. All other trademarks are the property of their respective owners.

Disclaimer: EXCEPT AS EXPRESSLY PROVIDED IN A WRITTEN AGREEMENT WITH CLOUDERA, CLOUDERA DOES NOT MAKE NOR GIVE ANY REPRESENTATION, WARRANTY, NOR COVENANT OF ANY KIND, WHETHER EXPRESS OR IMPLIED, IN CONNECTION WITH CLOUDERA TECHNOLOGY OR RELATED SUPPORT PROVIDED IN CONNECTION THEREWITH. CLOUDERA DOES NOT WARRANT THAT CLOUDERA PRODUCTS NOR SOFTWARE WILL OPERATE UNINTERRUPTED NOR THAT IT WILL BE FREE FROM DEFECTS NOR ERRORS, THAT IT WILL PROTECT YOUR DATA FROM LOSS, CORRUPTION NOR UNAVAILABILITY, NOR THAT IT WILL MEET ALL OF CUSTOMER’S BUSINESS REQUIREMENTS. WITHOUT LIMITING THE FOREGOING, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, CLOUDERA EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, QUALITY, NON-INFRINGEMENT, TITLE, AND FITNESS FOR A PARTICULAR PURPOSE AND ANY REPRESENTATION, WARRANTY, OR COVENANT BASED ON COURSE OF DEALING OR USAGE IN TRADE.

Contents

Using separate ports in EFM.....	4
---	----------

Using separate ports in EFM

You can make Edge Flow Manager (EFM) listen to separate ports for UI and C2 type of requests. To do so, you need to uncomment the `#efm.server.c2Port=` property in the `efm.properties` file, and set a valid port number as the value of the `#efm.server.c2Port=` property.

The EFM REST API can be divided into two logical parts. The first group comprises the REST endpoints which are used by the users to create flows, manage credentials, and so on through the UI, called UI endpoints. The second group comprises the REST endpoints which are used by the MiNiFi agent to communicate with EFM, called C2 endpoints. With the default configuration, EFM listens to port configured with the `efm.server.port` property for all kinds of requests.

There could be cases where distinction between the UI and C2 traffic needs to be made on the network level.

A property is introduced in the `efm.properties` file to enable separate UI and C2 communication.

```
#efm.server.c2Port=
```

By default it is commented out so EFM listens to the port set with the `efm.server.port` property.

If you want to make EFM listen to separate ports for UI and C2 type of requests, uncomment the `efm.server.c2Port` property and set a valid port number.



Important: If you uncomment the `efm.server.c2Port` property but do not set a value, EFM startup process fails with the following error message:

```
Reason: The elements [efm.server.c2port] were left unbound.
```

If both ports are correctly configured, the following additional log messages should appear when EFM startup process concludes:

```
>>> Base URL for C2 REST API: http://localhost:10091/efm/api/c2-prot  
ocol  
>>> Swagger REST API docs for C2: http://localhost:10091/efm/api/sw  
agger
```



Note: The Swagger REST API documentation is accessible on both `efm.server.port` and `efm.server.c2Port`. If you want to use Swagger to communicate with UI endpoints, please open Swagger on `efm.server.port`. For sending requests to C2 endpoints, please open Swagger on `efm.server.c2port`.