

Release Notes 1.0.0

Streams Messaging Manager Release Notes

Date published: 2018-08-20

Date modified: 2018-08-20

CLOUDERA

<https://docs.cloudera.com/>

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

What's New in this Release.....	4
Known Issues.....	6
SMM download locations.....	6
Legal Information.....	7

What's New in this Release

Hortonworks Streams Messaging Manager 1.0.0 is an operations monitoring/ management tool that provides end-to-end visibility in an enterprise Apache Kafka environment.

With SMM, you can gain clear insights about your Kafka clusters. You can understand the end-to-end flow of message streams from producers to topics to consumers. SMM helps you troubleshoot your Kafka environment to identify bottlenecks, throughputs, consumer patterns, and traffic flow. SMM enables you to analyze the stream dynamics between producers and consumers using various filters. You can optimize your Kafka environment based on the key performance insights gathered from various brokers and topics. With the tight integration of Apache Atlas, you can gain complete data lineage across multiple Kafka hops, producers and consumers with powerful data flow visualization.

Key features include:

Simplify troubleshooting Kafka environments

SMM provides intelligence-based filtering that allows a user to select a producer, broker, topic or consumer and see only related entities based on the selection. SMM is smart enough to show only those producers that are sending data to the selected topics and show only those consumer groups that are consuming from those topics. The filtering works on the selection of any of the four entities. This enables users to quickly hone in on the root cause when troubleshooting and debugging Kafka issues.

Visualize end-to-end Kafka stream flows

Another powerful feature of SMM is its ability to visualize all the data streams/flows across all your Kafka clusters. You can select any entity and visualize how data flows with respect to the entity selected.

Extend monitoring / management capabilities with REST

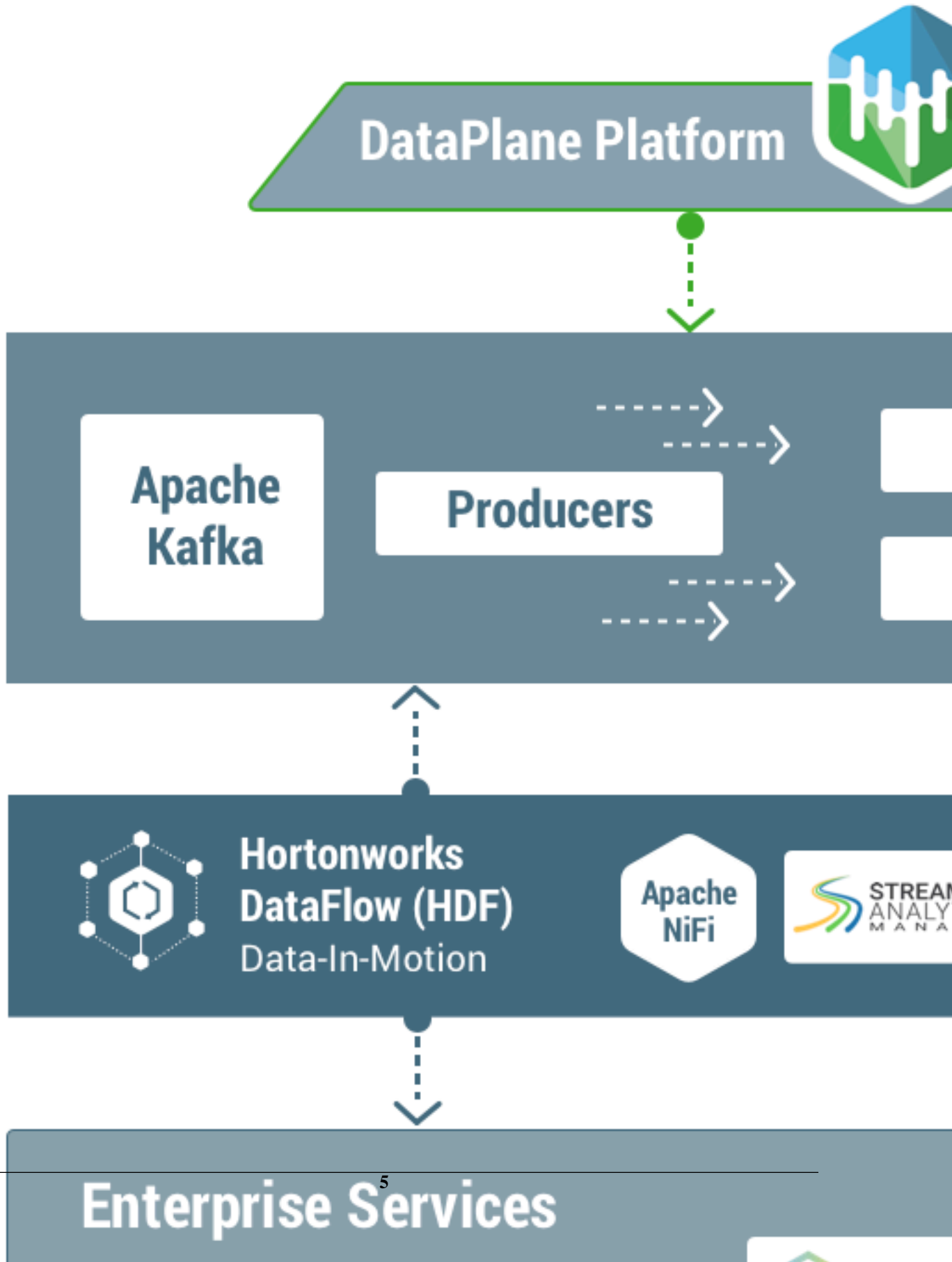
SMM offers REST endpoints for all of its capabilities. This enables developers to integrate SMM with their other enterprise tools such as APM or case/ticketing systems.

Track data lineage and governance from edge-to-enterprise

SMM has been fully integrated with Apache Atlas for governance and data lineage, Apache Ranger for security and access control management, Apache Ambari for infrastructure level monitoring and lifecycle actions for the cluster, and Grafana to be able to graph Kafka metrics over time. See below for an example of SMM and Atlas Integration.

Adopt hybrid cloud deployments for Kafka

SMM is delivered as a DataPlane Platform app. This enables customers to have a single SMM instance manage multiple Kafka clusters within their organization and support hybrid cloud deployments.



Known Issues

SMM has no known issues at this time.

SMM download locations

Use the following tables to identify the Streams Messaging Manager (SMM) repository locations for your operating system and operational objectives.



Note: You must have your download credentials to access the SMM files in the repository. Download credentials are provided as part of the subscription fulfillment process. Your download credential is not the same as the credential you use to access the support portal. Additionally, you can also get your download credentials in the following ways:

- Contact your Cloudera sales representative.
- File a non-technical case within the [Cloudera support portal](#) for our Support team to assist you.

SMM Rest Server (HDF/HDP)

Table 1: Amazon Linux 2

File	Location
RPM Tarball	https://archive.cloudera.com/p/smm/1.0.0.0-155/amazonlinux2/smm-1.0.0.0-amazonlinux2-rpm.tar.gz
Management Pack	https://archive.cloudera.com/p/smm/1.0.0.0-155/amazonlinux2/smm-ambari-mpack-0.1.0.1.0.0.0-155.tar.gz

Table 2: CentOS 7

File	Location
RPM Tarball (IBM Power)	https://archive.cloudera.com/p/smm/1.0.0.0-155/centos7-ppc/smm-1.0.0.0-centos7-ppc-rpm.tar.gz
Management Pack (IBM Power)	https://archive.cloudera.com/p/smm/1.0.0.0-155/centos7-ppc/smm-ambari-mpack-0.1.0.1.0.0.0-155.tar.gz
RPM Tarball	https://archive.cloudera.com/p/smm/1.0.0.0-155/centos7/smm-1.0.0.0-centos7-rpm.tar.gz
Management Pack	https://archive.cloudera.com/p/smm/1.0.0.0-155/centos7/smm-ambari-mpack-0.1.0.1.0.0.0-155.tar.gz

Table 3: Debian 9

File	Location
Deb Tarball	https://archive.cloudera.com/p/smm/1.0.0.0-155/debian9/smm-1.0.0.0-debian9-deb.tar.gz
Management Pack	https://archive.cloudera.com/p/smm/1.0.0.0-155/debian9/smm-ambari-mpack-0.1.0.1.0.0.0-155.tar.gz

Table 4: SLES 12

File	Location
RPM Tarball	https://archive.cloudera.com/p/smm/1.0.0.0-155/sles12/smm-1.0.0.0-sles12-rpm.tar.gz
Management Pack	https://archive.cloudera.com/p/smm/1.0.0.0-155/sles12/smm-ambari-mpack-0.1.0.1.0.0.0-155.tar.gz

Table 5: Ubuntu 12

File	Location
Deb Tarball	https://archive.cloudera.com/p/smm/1.0.0.0-155/ubuntu12/smm-1.0.0.0-ubuntu12-deb.tar.gz
Management Pack	https://archive.cloudera.com/p/smm/1.0.0.0-155/ubuntu12/smm-ambari-mpack-0.1.0.1.0.0.0-155.tar.gz

Table 6: Ubuntu 14

File	Location
Deb Tarball	https://archive.cloudera.com/p/smm/1.0.0.0-155/ubuntu14/smm-1.0.0.0-ubuntu14-deb.tar.gz
Management Pack	https://archive.cloudera.com/p/smm/1.0.0.0-155/ubuntu14/smm-ambari-mpack-0.1.0.1.0.0.0-155.tar.gz

Table 7: Ubuntu 16

File	Location
Deb Tarball	https://archive.cloudera.com/p/smm/1.0.0.0-155/ubuntu16/smm-1.0.0.0-ubuntu16-deb.tar.gz
Management Pack	https://archive.cloudera.com/p/smm/1.0.0.0-155/ubuntu16/smm-ambari-mpack-0.1.0.1.0.0.0-155.tar.gz

SMM-APP (HDF/HDP)**Table 8: CentOS 7**

File	Location
RPM Tarball	https://archive.cloudera.com/p/SMM-APP/1.0.0.0-46/centos7/SMM-APP-1.0.0.0-centos7-rpm.tar.gz
Tars Tarball	https://archive.cloudera.com/p/SMM-APP/1.0.0.0-46/SMM-APP-1.0.0.0-centos7-tars-tarball.tar.gz

Legal Information

Please visit the Streams Messaging Manager page for more information on Hortonworks SMM technology. For more information on Hortonworks support services, please visit either the Support or Training page. Feel free to contact us directly to discuss your specific needs.

Hortonworks reserves the right to change any products described herein at any time, and without notice. Hortonworks assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by Hortonworks.

Disclaimer: EXCEPT AS EXPRESSLY PROVIDED IN A WRITTEN AGREEMENT WITH HORTONWORKS, HORTONWORKS DOES NOT MAKE OR GIVE ANY REPRESENTATION, WARRANTY, OR COVENANT OF ANY KIND, WHETHER EXPRESS OR IMPLIED, IN CONNECTION WITH HORTONWORKS TECHNOLOGY OR RELATED SUPPORT PROVIDED IN CONNECTION THEREWITH. HORTONWORKS DOES NOT WARRANT THAT SMM WILL OPERATE UNINTERRUPTED OR THAT IT WILL BE FREE FROM DEFECTS OR ERRORS, THAT IT WILL PROTECT YOUR DATA FROM LOSS, CORRUPTION OR UNAVAILABILITY, OR THAT SMM WILL MEET ALL OF CUSTOMER'S BUSINESS REQUIREMENTS. WITHOUT LIMITING THE FOREGOING, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, HORTONWORKS 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.

Open Source: Open source software licensing information for third party software used in connection with or included in the Streams Messaging Manager software may be found in documentation accompanying the delivery of Hortonworks Streams Messaging Manager software.

HORTONWORKS PROVIDES SEPARATELY LICENSED CODE, INCLUDING ALL OPEN SOURCE SOFTWARE, TO CUSTOMER WITHOUT WARRANTIES OF ANY KIND. HORTONWORKS DISCLAIMS ANY AND ALL EXPRESS AND IMPLIED WARRANTIES WITH RESPECT TO SEPARATELY LICENSED CODE, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.