

# Hortonworks DataFlow

## Release Notes

(February 28, 2018)

## Hortonworks DataFlow: Release Notes

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# 1. Hortonworks DataFlow 3.1.1 Release Notes

This document provides you with the latest information about the HDF 3.1.1 release and its product documentation.

- [Component Support \[1\]](#)
- [What's New in HDF 3.1.1 \[2\]](#)
- [Unsupported Features \[3\]](#)
- [Deprecated Technologies \[7\]](#)
- [HDF Repository Locations \[8\]](#)
- [HDF Repository Location for IBM Power Systems \[15\]](#)
- [Common Vulnerabilities and Exposures \[15\]](#)
- [Known Issues \[16\]](#)
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## 1.1. Component Support

HDF 3.1.1 includes the following components:

- Apache Ambari 2.6.1
- Apache Kafka 1.0.0
- Apache NiFi 1.5.0
- NiFi Registry 0.1.0
- Apache Ranger 0.7.0
- Apache Storm 1.1.1
- Apache ZooKeeper 3.4.6
- Apache MiNiFi Java Agent 0.4.0
- Apache MiNiFi C++ 0.4.0
- Hortonworks Schema Registry 0.5.0
- Hortonworks Streaming Analytics Manager 0.6.0

## 1.1.1. Component Availability in HDF

Previous HDF releases shipped with the following components versions.

	NiFi	Storm	Kafka	ZooKeeper	Ambari	Ranger	MiniFi Java Agent	MiniFi C++	Streaming Analytics Manager	Schema Registry	NiFi Registry
HDF 3.1.1	1.5.0	1.1.1	1.0.0	3.4.6	2.6.1	0.7.0	0.4.0	0.4.0	0.6.0	0.5.0	0.1.0
HDF 3.1.0	1.5.0	1.1.1	1.0.0	3.4.6	2.6.1	0.7.0	0.4.0	0.4.0	0.6.0	0.5.0	0.1.0
HDF 3.0.3 (IBM Power System only)	1.2.0	1.1.0	0.10.2.1	3.4.6	2.6.0	0.7.0	0.2.0	TP	0.5.0	0.3.0	N/A
HDF 3.0.2	1.2.0	1.1.0	0.10.2.1	3.4.6	2.6.0	0.7.0	0.2.0	TP	0.5.0	0.3.0	N/A
HDF 3.0.1	1.2.0	1.1.0	0.10.2.1	3.4.6	2.5.1	0.7.0	0.2.0	TP	0.5.0	0.3.0	N/A
HDF 3.0.0	1.2.0	1.1.0	0.10.2.1	3.4.6	2.5.1	0.7.0	0.2.0	TP	0.5.0	0.3.0	N/A
HDF 2.1.4	1.1.0	1.0.2	1.10.1	3.4.6	2.4.2.0	0.6.2	0.1.0	TP	N/A	N/A	N/A
HDF 2.1.2	1.1.0	1.0.2	0.10.1	3.4.6	2.4.2.0	0.6.2	0.1.0	TP	N/A	N/A	N/A
HDF 2.1.1	1.1.0	1.0.2	0.10.1	3.4.6	2.4.2.0	0.6.2	0.1.0	TP	N/A	N/A	N/A
HDF 2.1.0	1.1.0	1.0.2	0.10.1	3.4.6	2.4.2.0	0.6.2	0.1.0	TP	N/A	N/A	N/A
HDF 2.0.2	1.0.0	1.0.1	0.10.0.1	3.4.6	2.4.1.0	0.6.0	0.0.1	TP	N/A	N/A	N/A
HDF 2.0.1	1.0.0	1.0.1	0.10.0.1	3.4.6	2.4.1.0	0.6.0	0.0.1	TP	N/A	N/A	N/A
HDF 2.0.0	1.0.0	1.0.1	0.10.0.1	3.4.6	2.4.0.1	0.6.0	0.0.1	TP	N/A	N/A	N/A
HDF 1.2.1	0.6.1	0.10.0	0.9.0.1	3.4.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDF 1.2.0.1	0.6.1	0.10.0	0.9.0.1	3.4.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDF 1.2.0	0.6.0	0.10.0	0.9.0.1	3.4.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDF 1.1.0	0.4.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDF 1.0	0.3.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

## 1.2. What's New in HDF 3.1.1

HDF 3.1.1 is a maintenance release that includes bug fixes and certifies HDF for use on IBM Power Systems.

For information about the HDF 3.1.0 release, see the [HDF 3.1.0 Release Notes](#).

## 1.3. Unsupported Features

Some features exist within HDF 3.1.1, but Hortonworks does not currently support these capabilities.

- [Technical Preview Features \[3\]](#)
- [Community Driven Features \[3\]](#)
- [Unsupported Customizations \[7\]](#)

### 1.3.1. Technical Preview Features

The following features are available within HDF 3.1.1 but are not ready for production deployment. Hortonworks encourages you to explore these technical preview features in non-production environments and provide feedback on your experiences through the [Hortonworks Community Forums](#).

**Table 1.1. Technical Previews**

Component	Feature
MiNiFi	Android/iOS MiNiFi libraries for mobile integration

### 1.3.2. Community Driven Features

The following features are developed and tested by the Hortonworks community but are not officially supported by Hortonworks. These features are excluded for a variety of reasons, including insufficient reliability or incomplete test case coverage, declaration of non-production readiness by the community at large, and feature deviation from Hortonworks best practices. Do not use these features in your production environments.

#### Community Driven Kafka features

- Kafka Connect
- Kafka Streams

#### Community Driven NiFi Tools and Services

- Embedded ZooKeeper
- Sensitive key migration toolkit

#### Community Driven NiFi Processors

- AttributeRollingWindow
- AWSCredentialsProviderControllerService
- CompareFuzzyHash
- ConsumeAzureEventHub

- ConsumeEWS
- ConsumeIMAP
- ConsumeKafka\_0\_11
- ConsumeKafkaRecord\_0\_11
- ConsumePOP3
- ConvertExcelToCSVProcessor
- CountText
- DebugFlow
- DeleteDynamoDB
- DeleteGCXObject
- DeleteHDFS
- DeleteMongo
- DeleteRethinkDB
- ExecuteFlumeSink
- ExecuteFlumeSource
- ExecuteSparkInteractive
- ExtractCCDAAttributes
- ExtractEmailAttachments
- ExtractEmailHeaders
- ExtractMediaMetadata
- ExtractTNEFAttachments
- FetchAzureBlobStorage
- FetchGCXObject
- FuzzyHashContent
- GetDynamoDB
- GetHDFSEvents
- GetRethinkDB
- GetSNMP



- InvokeGRPC
- ISPEnrichIP
- InferAvroSchema
- ListenBeats
- ListenGRPC
- ListenLumberjack
- ListenSMTP
- ListAzureBlobStorage
- ListGCSBucket
- ListS3
- LogMessage
- ModifyBytes
- MoveHDFS
- PublishKafka\_0\_11
- PublishKafkaRecord\_0\_11
- PutKudu
- PutMongoRecord
- PutRethinkDB
- OrcFormatConversion
- PutAzureBlobStorage
- PutDynamoDB
- PutGCSObject
- PutIgniteCache
- PutKinesisFirehose
- PutKinesisStream
- PutLambda
- PutSlack
- PutTCP

- PutUDP
- QueryDNS
- SetSNMP
- SpringContextProcessor
- StoreInKiteDataset



### Note

HDF 3.1.x does not support Hive 2. As a result, NiFi Processors working with Hive (PutHiveQL, PutHiveStreaming, SelectHiveQL) and the NiFi Controller Service HiveConnectionPool may not support Hive 2.

### Community Driven NiFi Controller Services

- AWSCredentialsProviderControllerService
- ConfluentSchemaRegistry
- GCPCredentialsControllerService
- GraphiteMetricReporterService
- IPLookupService
- JettyWebSocketClient
- JettyWebSocketServer
- LivySessionController
- MongoDBControllerService
- MongoDBLookupService
- PropertiesFileLookupService
- RedisConnectionPoolService
- RedisDistributedMapCacheClientService
- SimpleCsvFileLookupService
- SimpleKeyValueLookupService
- XMLFileLookupService

### Community Driven NiFi Reporting Tasks

- DataDogReportingTask

- MetricsReportingTask
- SiteToSiteBulletinReportingTask
- SiteToSiteStatusReportingTask
- StandardGangliaReporter

### 1.3.3. Unsupported Customizations

Hortonworks cannot guarantee that default NiFi processors are compatible with proprietary protocol implementations or proprietary interface extensions. For example, we support interfaces like JMS and JDBC that are built around standards, specifications, or open protocols. But we do not support customizations of those interfaces, or proprietary extensions built on top of those interfaces.

## 1.4. Deprecated Technologies

This section points out any technology from previous releases that has been deprecated or removed from this release (operating systems, Java versions, databases, product features). Use this section as a guide for your implementation plans.

Deprecated	Technology that Hortonworks is removing in a future release. Deprecated items are supported until they are removed; deprecation gives you time to plan for removal.
Removed	Technology that Hortonworks has removed from production and is no longer supported.

**Table 1.2. Deprecated Operating Systems**

Operating System	Release Deprecated	Release Removed
Ubuntu 12	HDF 3.0.0	HDF 3.0.0
Debian 6	HDF 2.1.2	HDF 3.0.0

**Table 1.3. Deprecated NiFi Processors**

Processor	Release Deprecated
ConvertCSVToAvro	HDF 3.0.0
ConvertJSONToAvro	HDF 3.0.0
GetKafka	HDF 2.0.0
PutKafka	HDF 2.0.0
EvaluateRegularExpression	HDF 1.0.0

**Table 1.4. Deprecated Kafka APIs**

API	Release Deprecated	Use Instead
kafka.producer.Producer	HDF 3.1.0	org.apache.kafka.clients.producer.KafkaProducer
kafka.consumer.SimpleConsumer	HDF 3.1.0	org.apache.kafka.clients.consumer.KafkaConsumer
SecurityProtocol.PLAINTEXTSASL	HDF 3.1.0	SASL_PLAINTEXT

## 1.5. HDF Repository Locations

Use the following table to identify the HDF 3.1.1 repository location for your operating system and operational objectives. HDF 3.1.1 supports the following operating systems:

- [RHEL/Oracle Linux/CentOS 6 HDF repository & additional download locations \[8\]](#)
- [RHEL/Oracle Linux/CentOS 7 HDF repository & additional download locations \[9\]](#)
- [SLES 11 SP3/SP4 HDF repository & additional download locations \[10\]](#)
- [SLES 12 HDF repository & additional download locations \[11\]](#)
- [Ubuntu 14 HDF repository & additional download locations \[12\]](#)
- [Table 1.10, "Ubuntu 16 HDF repository & additional download locations" \[13\]](#)
- [Debian 7 HDF repository & additional download locations \[14\]](#)
- [Table 1.12, "NiFi and MiNiFi MSI files" \[15\]](#)

**Table 1.5. RHEL/Oracle Linux/CentOS 6 HDF repository & additional download locations**

OS	Format	Download location	
RHEL/Oracle Linux/CentOS 6 (64-bit):	HDF Build number	3.1.1.0-35	
	HDF Base URL	<a href="http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0">http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0</a>	
	HDF Repo	<a href="http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/hdf.repo">http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/hdf.repo</a>	
	RPM tarball	<a href="http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos6-rpm.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos6-rpm.tar.gz</a>	
	Tars tarball	<a href="http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos6-tars-tarball.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos6-tars-tarball.tar.gz</a>	
	HDF Management Pack	<a href="http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz</a>	
	MiNiFi C++	<a href="http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.4.0-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos6/3.x/updates/3.1.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.4.0-bin.tar.gz</a>	
	<b>HDP and Ambari Repositories</b>		
	Ambari	<a href="http://public-repo-1.hortonworks.com/ambari/centos6/2.x/updates/2.6.1.0/ambari.repo">http://public-repo-1.hortonworks.com/ambari/centos6/2.x/updates/2.6.1.0/ambari.repo</a>	
	HDP	<a href="http://public-repo-1.hortonworks.com/HDP/centos6/2.x/updates/2.6.4.0/hdp.repo">http://public-repo-1.hortonworks.com/HDP/centos6/2.x/updates/2.6.4.0/hdp.repo</a>	
	HDP-UTILS Base URL	<a href="http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/centos6">http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/centos6</a>	
	<b>OS Agnostic Downloads</b>		
	NiFi only	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>	
NiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		

OS	Format	Download location
	Docker Hub	<a href="https://hub.docker.com/r/hortonworks/nifi/">https://hub.docker.com/r/hortonworks/nifi/</a> Tags are latest and 3.1.1.0
	NiFi Registry	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	MINiFi Java Agent	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	MINiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	iOS/Android Libraries	<ul style="list-style-type: none"> <li>• Android – <a href="https://github.com/hortonworks/nifi-android-s2s">https://github.com/hortonworks/nifi-android-s2s</a></li> <li>• iOS – <a href="https://github.com/hortonworks/nifi-ios-s2s">https://github.com/hortonworks/nifi-ios-s2s</a></li> </ul>

**Table 1.6. RHEL/Oracle Linux/CentOS 7 HDF repository & additional download locations**

OS	Format	Download location	
RHEL/Oracle Linux/CentOS 7 (64-bit):	HDF Build Number	3.1.1.0-35	
	HDF Base URL	<a href="http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0">http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0</a>	
	HDF Repo	<a href="http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/hdf.repo">http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/hdf.repo</a>	
	RPM tarball	<a href="http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos7-rpm.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos7-rpm.tar.gz</a>	
	Tars tarball	<a href="http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos7-tars-tarball.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos7-tars-tarball.tar.gz</a>	
	HDF Management Pack	<a href="http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz</a>	
	MINiFi C++ Agent	<a href="http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.4.0-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos7/3.x/updates/3.1.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.4.0-bin.tar.gz</a>	
	<b>HDP and Ambari Repositories</b>		
	Ambari	<a href="http://public-repo-1.hortonworks.com/ambari/centos7/2.x/updates/2.6.1.0/ambari.repo">http://public-repo-1.hortonworks.com/ambari/centos7/2.x/updates/2.6.1.0/ambari.repo</a>	
	HDP	<a href="http://public-repo-1.hortonworks.com/HDP/centos7/2.x/updates/2.6.4.0/hdp.repo">http://public-repo-1.hortonworks.com/HDP/centos7/2.x/updates/2.6.4.0/hdp.repo</a>	
	HDP-UTILS Base URL	<a href="http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/centos7">http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/centos7</a>	
	<b>OS Agnostic Downloads</b>		
	NiFi only	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>	
NiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
Docker Hub	<a href="https://hub.docker.com/r/hortonworks/nifi/">https://hub.docker.com/r/hortonworks/nifi/</a>		

OS	Format	Download location
		Tags are latest and 3.1.1.0
	NiFi Registry	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	MiNiFi Java Agent	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	MiNiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	iOS/Android Libraries	<ul style="list-style-type: none"> <li>• Android – <a href="https://github.com/hortonworks/nifi-android-s2s">https://github.com/hortonworks/nifi-android-s2s</a></li> <li>• iOS – <a href="https://github.com/hortonworks/nifi-ios-s2s">https://github.com/hortonworks/nifi-ios-s2s</a></li> </ul>

**Table 1.7. SLES 11 SP3/SP4 HDF repository & additional download locations**

OS	Format	Download location
SUSE Enterprise Linux 11 SP3, SP4	HDF Build Number	3.1.1.0-35
	HDF Base URL	<a href="http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0">http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0</a>
	Repo	<a href="http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0/hdf.repo">http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0/hdf.repo</a>
	RPM tarball	<a href="http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0/HDF-3.1.1.0-suse11sp3-rpm.tar.gz">http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0/HDF-3.1.1.0-suse11sp3-rpm.tar.gz</a>
	Tars tarball	<a href="http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0/HDF-3.1.1.0-suse11sp3-tars-tarball.tar.gz">http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0/HDF-3.1.1.0-suse11sp3-tars-tarball.tar.gz</a>
	HDF Management Pack	<a href="http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz">http://public-repo-1.hortonworks.com/HDF/suse11sp3/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz</a>
	<b>HDP and Ambari Repositories</b>	
	Ambari	<a href="http://public-repo-1.hortonworks.com/ambari/suse11/2.x/updates/2.6.1.0/ambari.repo">http://public-repo-1.hortonworks.com/ambari/suse11/2.x/updates/2.6.1.0/ambari.repo</a>
	HDP	<a href="http://public-repo-1.hortonworks.com/HDP/suse11sp3/2.x/updates/2.6.4.0/hdp.repo">http://public-repo-1.hortonworks.com/HDP/suse11sp3/2.x/updates/2.6.4.0/hdp.repo</a>
	HDP-UTILS Base URL	<a href="http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/suse11sp3">http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/suse11sp3</a>
	<b>OS Agnostic Downloads</b>	
	NiFi only	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	NiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
Docker Hub	<a href="https://hub.docker.com/r/hortonworks/nifi/">https://hub.docker.com/r/hortonworks/nifi/</a> Tags are latest and 3.1.1.0	
NiFi Registry	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip</a></li> </ul>	

OS	Format	Download location
		<ul style="list-style-type: none"> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	MiNiFi Java Agent	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	MiNiFi Toolkit	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	iOS/Android Libraries	<ul style="list-style-type: none"> <li>Android – <a href="https://github.com/hortonworks/nifi-android-s2s">https://github.com/hortonworks/nifi-android-s2s</a></li> <li>iOS – <a href="https://github.com/hortonworks/nifi-ios-s2s">https://github.com/hortonworks/nifi-ios-s2s</a></li> </ul>

**Table 1.8. SLES 12 HDF repository & additional download locations**

OS	Format	Download location	
SUSE Linux Enterprise Server (SLES) v12 SP1	HDF Build Number	3.1.1.0-35	
	HDF Base URL	<a href="http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0">http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0</a>	
	Repo	<a href="http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0/hdf.repo">http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0/hdf.repo</a>	
	RPM tarball	<a href="http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0/HDF-3.1.1.0-sles12-rpm.tar.gz">http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0/HDF-3.1.1.0-sles12-rpm.tar.gz</a>	
	Tars tarball	<a href="http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0/HDF-3.1.1.0-sles12-tars-tarball.tar.gz">http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0/HDF-3.1.1.0-sles12-tars-tarball.tar.gz</a>	
	HDF Management Pack	<a href="http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz">http://public-repo-1.hortonworks.com/HDF/sles12/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz</a>	
	<b>HDP and Ambari Repositories</b>		
	Ambari	<a href="http://public-repo-1.hortonworks.com/ambari/sles12/2.x/updates/2.6.1.0/ambari.repo">http://public-repo-1.hortonworks.com/ambari/sles12/2.x/updates/2.6.1.0/ambari.repo</a>	
	HDP	<a href="http://public-repo-1.hortonworks.com/HDP/sles12/2.x/updates/2.6.4.0/hdp.repo">http://public-repo-1.hortonworks.com/HDP/sles12/2.x/updates/2.6.4.0/hdp.repo</a>	
	HDP-UTILS Base URL	<a href="http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/sles12">http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/sles12</a>	
<b>OS Agnostic Downloads</b>			
NiFi only	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
NiFi Toolkit	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
Docker Hub	<a href="https://hub.docker.com/r/hortonworks/nifi/">https://hub.docker.com/r/hortonworks/nifi/</a> Tags are latest and 3.1.1.0		
NiFi Registry	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
MiNiFi Java Agent	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip</a></li> </ul>		

OS	Format	Download location
		<ul style="list-style-type: none"> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	Minifi Toolkit	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	iOS/Android Libraries	<ul style="list-style-type: none"> <li>Android – <a href="https://github.com/hortonworks/nifi-android-s2s">https://github.com/hortonworks/nifi-android-s2s</a></li> <li>iOS – <a href="https://github.com/hortonworks/nifi-ios-s2s">https://github.com/hortonworks/nifi-ios-s2s</a></li> </ul>

**Table 1.9. Ubuntu 14 HDF repository & additional download locations**

OS	Format	Download location	
Ubuntu Trusty (14.04) (64-bit)	HDF Build Number	3.1.1.0-35	
	HDF Base URL	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0">http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0</a>	
	Repo	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0/hdf.list">http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0/hdf.list</a>	
	Deb tarball	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0/HDF-3.1.1.0-ubuntu14-deb.tar.gz">http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0/HDF-3.1.1.0-ubuntu14-deb.tar.gz</a>	
	Tars tarball	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0/HDF-3.1.1.0-ubuntu14-tars-tarball.tar.gz">http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0/HDF-3.1.1.0-ubuntu14-tars-tarball.tar.gz</a>	
	HDF Management Pack	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz">http://public-repo-1.hortonworks.com/HDF/ubuntu14/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz</a>	
	<b>HDP and Ambari Repositories</b>		
	Ambari	<a href="http://public-repo-1.hortonworks.com/ambari/ubuntu14/2.x/updates/2.6.1.0/ambari.list">http://public-repo-1.hortonworks.com/ambari/ubuntu14/2.x/updates/2.6.1.0/ambari.list</a>	
	HDP	<a href="http://public-repo-1.hortonworks.com/HDP/ubuntu14/2.x/updates/2.6.4.0/hdp.list">http://public-repo-1.hortonworks.com/HDP/ubuntu14/2.x/updates/2.6.4.0/hdp.list</a>	
	HDP-UTILS Base URL	<a href="http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/ubuntu14">http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/ubuntu14</a>	
	<b>OS Agnostic Downloads</b>		
	NiFi only	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>	
	NiFi Toolkit	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>	
Docker Hub	<a href="https://hub.docker.com/r/hortonworks/nifi/">https://hub.docker.com/r/hortonworks/nifi/</a> Tags are latest and 3.1.1.0		
NiFi Registry	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
Minifi Java Agent	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
Minifi Toolkit	<ul style="list-style-type: none"> <li>Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip</a></li> </ul>		



OS	Format	Download location
		<ul style="list-style-type: none"> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>
	iOS/Android Libraries	<ul style="list-style-type: none"> <li>• Android – <a href="https://github.com/hortonworks/nifi-android-s2s">https://github.com/hortonworks/nifi-android-s2s</a></li> <li>• iOS – <a href="https://github.com/hortonworks/nifi-ios-s2s">https://github.com/hortonworks/nifi-ios-s2s</a></li> </ul>

**Table 1.10. Ubuntu 16 HDF repository & additional download locations**

OS	Format	Download location	
Ubuntu Trusty 16 (64-bit)	HDF Build Number	3.1.1.0-35	
	HDF Base URL	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0">http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0</a>	
	Repo	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/hdf.list">http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/hdf.list</a>	
	Deb tarball	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/HDF-3.1.1.0-ubuntu16-deb.tar.gz">http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/HDF-3.1.1.0-ubuntu16-deb.tar.gz</a>	
	Tars tarball	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/HDF-3.1.1.0-ubuntu16-tars-tarball.tar.gz">http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/HDF-3.1.1.0-ubuntu16-tars-tarball.tar.gz</a>	
	HDF Management Pack	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz">http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz</a>	
	MiNiFi C++ Agent	<a href="http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.4.0-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/ubuntu16/3.x/updates/3.1.1.0/tars/nifi-minifi-cpp/nifi-minifi-cpp-0.4.0-bin.tar.gz</a>	
	<b>HDP and Ambari Repositories</b>		
	Ambari	<a href="http://public-repo-1.hortonworks.com/ambari/ubuntu16/2.x/updates/2.6.1.0/ambari.list">http://public-repo-1.hortonworks.com/ambari/ubuntu16/2.x/updates/2.6.1.0/ambari.list</a>	
	HDP	<a href="http://public-repo-1.hortonworks.com/HDP/ubuntu16/2.x/updates/2.6.4.0/hdp.list">http://public-repo-1.hortonworks.com/HDP/ubuntu16/2.x/updates/2.6.4.0/hdp.list</a>	
	HDP-UTILS Base URL	<a href="http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/ubuntu16">http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/ubuntu16</a>	
	<b>OS Agnostic Downloads</b>		
	NiFi only	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>	
	NiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>	
Docker Hub	<a href="https://hub.docker.com/r/hortonworks/nifi/">https://hub.docker.com/r/hortonworks/nifi/</a> Tags are latest and 3.1.1.0		
NiFi Registry	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
MiNiFi Java Agent	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
MiNiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		

OS	Format	Download location
	iOS/Android Libraries	<ul style="list-style-type: none"> <li>• Android – <a href="https://github.com/hortonworks/nifi-android-s2s">https://github.com/hortonworks/nifi-android-s2s</a></li> <li>• iOS – <a href="https://github.com/hortonworks/nifi-ios-s2s">https://github.com/hortonworks/nifi-ios-s2s</a></li> </ul>

**Table 1.11. Debian 7 HDF repository & additional download locations**

OS	Format	Download location	
Debian 7	HDF Build Number	3.1.1.0-35	
	HDF Base URL	<a href="http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0">http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0</a>	
	Repo	<a href="http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0/hdf.list">http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0/hdf.list</a>	
	Deb tarball	<a href="http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0/HDF-3.1.1.0-debian7-deb.tar.gz">http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0/HDF-3.1.1.0-debian7-deb.tar.gz</a>	
	Tars tarball	<a href="http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0/HDF-3.1.1.0-debian7-tars-tarball.tar.gz">http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0/HDF-3.1.1.0-debian7-tars-tarball.tar.gz</a>	
	HDF Management Pack	<a href="http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz">http://public-repo-1.hortonworks.com/HDF/debian7/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz</a>	
	<b>HDP and Ambari Repositories</b>		
	Ambari	<a href="http://public-repo-1.hortonworks.com/ambari/debian7/2.x/updates/2.6.1.0/ambari.list">http://public-repo-1.hortonworks.com/ambari/debian7/2.x/updates/2.6.1.0/ambari.list</a>	
	HDP	<a href="http://public-repo-1.hortonworks.com/HDP/debian7/2.x/updates/2.6.4.0/hdp.list">http://public-repo-1.hortonworks.com/HDP/debian7/2.x/updates/2.6.4.0/hdp.list</a>	
	HDP-UTILS Base URL	<a href="http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/debian7">http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/debian7</a>	
	<b>OS Agnostic Downloads</b>		
	NiFi only	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>	
	NiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-toolkit-1.5.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>	
	Docker Hub	<a href="https://hub.docker.com/r/hortonworks/nifi/">https://hub.docker.com/r/hortonworks/nifi/</a> Tags are latest and 3.1.1.0	
NiFi Registry	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/nifi-registry-0.1.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
MiNiFi Java Agent	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
MiNiFi Toolkit	<ul style="list-style-type: none"> <li>• Zip File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.zip</a></li> <li>• Tar.gz File – <a href="http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz">http://public-repo-1.hortonworks.com/HDF/3.1.1.0/minifi-toolkit-0.4.0.3.1.1.0-35-bin.tar.gz</a></li> </ul>		
iOS/Android Libraries	<ul style="list-style-type: none"> <li>• Android – <a href="https://github.com/hortonworks/nifi-android-s2s">https://github.com/hortonworks/nifi-android-s2s</a></li> <li>• iOS – <a href="https://github.com/hortonworks/nifi-ios-s2s">https://github.com/hortonworks/nifi-ios-s2s</a></li> </ul>		

**Table 1.12. NiFi and MiNiFi MSI files**

File	Location
NiFi MSI	<a href="http://public-repo-1.hortonworks.com/HDF/windows/3.x/updates/3.1.1.0/nifi-3.1.1.0-35.msi">http://public-repo-1.hortonworks.com/HDF/windows/3.x/updates/3.1.1.0/nifi-3.1.1.0-35.msi</a>
MiNiFi MSI	<a href="http://public-repo-1.hortonworks.com/HDF/windows/3.x/updates/3.1.1.0/minifi-3.1.1.0-35.msi">http://public-repo-1.hortonworks.com/HDF/windows/3.x/updates/3.1.1.0/minifi-3.1.1.0-35.msi</a>

## 1.6. HDF Repository Location for IBM Power Systems

**Table 1.13. RHEL 7 HDF repository & additional download locations**

OS	Format	Download location
RHEL 7 (64-bit):	HDF Build Number	3.1.1.0-35
	HDF Base URL	<a href="http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0">http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0</a>
	HDF Repo	<a href="http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0/hdf.repo">http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0/hdf.repo</a>
	RPM tarball	<a href="http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos7-ppc-rpm.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos7-ppc-rpm.tar.gz</a>
	Tars tarball	<a href="http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos7-ppc-tars-tarball.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0/HDF-3.1.1.0-centos7-ppc-tars-tarball.tar.gz</a>
	HDF Management Pack	<a href="http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz">http://public-repo-1.hortonworks.com/HDF/centos7-ppc/3.x/updates/3.1.1.0/tars/hdf_ambari_mp/hdf-ambari-mpack-3.1.1.0-35.tar.gz</a>
	<b>HDP and Ambari Repositories</b>	
	Ambari	<a href="http://public-repo-1.hortonworks.com/ambari/centos7-ppc/2.x/updates/2.6.1.0/ambari.repo">http://public-repo-1.hortonworks.com/ambari/centos7-ppc/2.x/updates/2.6.1.0/ambari.repo</a>
	HDP	<a href="http://public-repo-1.hortonworks.com/HDP/centos7-ppc/2.x/updates/2.6.4.0/hdp.repo">http://public-repo-1.hortonworks.com/HDP/centos7-ppc/2.x/updates/2.6.4.0/hdp.repo</a>
	HDP-UTILS	<a href="http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/centos7-ppc/hdp-util.repo">http://public-repo-1.hortonworks.com/HDP-UTILS-1.1.0.22/repos/centos7-ppc/hdp-util.repo</a>

## 1.7. Common Vulnerabilities and Exposures

The following CVEs have been fixed in HDF 3.1.x.

### 1.7.1. CVE-2017-12632

**Summary:** Apache NiFi host header poisoning issue

**Severity:** Medium

**Versions Affected:** Apache NiFi 0.1.0 - 1.4.0, HDF 1.x, 2.x, 3.0.x

**Description:** A malicious host header in an incoming HTTP request could cause NiFi to load resources from an external server.

**Mitigation:** The fix to sanitize host headers and compare to a controlled whitelist was applied on the Apache NiFi 1.5.0 release. HDF users should upgrade to HDF 3.1.0.

### 1.7.2. CVE-2017-15697

**Summary:** Apache NiFi XSS issue in context path handling

**Severity:** Moderate

**Versions Affected:** Apache NiFi 1.0.0 - 1.4.0, HDF 2.0.0 - 3.0.x

**Description:** A malicious X-ProxyContextPath or X-Forwarded-Context header containing external resources or embedded code could cause remote code execution.

**Mitigation:** The fix to properly handle these headers was applied on the Apache NiFi 1.5.0 release. HDF users should upgrade to HDF 3.1.0.

### 1.7.3. CVE-2017-12623

**Summary:** Apache NiFi XXE issue in template XML upload

**Severity:** Important

**Versions Affected:** Apache NiFi 1.0.0 - 1.3.0; HDF 2.x, 3.0.0 - 3.0.1.1

**Impact:** Any authenticated user could upload a template which contained malicious code and accessed sensitive files via an XML External Entity (XXE) attack.

**Mitigation:** The fix to properly handle XML External Entities was applied on the Apache NiFi 1.4.0 release. Users running a prior 1.x release should upgrade to the appropriate release. HDF users should upgrade to HDF 3.1.0.

### 1.7.4. CVE-2017-15703

**Summary:** Apache NiFi Java deserialization issue in template XML upload

**Severity:** Moderate

**Versions Affected:** Apache NiFi 1.0.0 - 1.3.0; HDF 2.x, 3.0.0 - 3.0.1.1

**Description:** Any authenticated user (valid client certificate but without ACL permissions) could upload a template which contained malicious code and caused a denial of service via Java deserialization attack.

**Mitigation:** The fix to properly handle Java deserialization was applied on the Apache NiFi 1.4.0 release. HDF users should upgrade to HDF 3.1.0.

## 1.8. Known Issues

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-97319		Ambari/NiFi	<p><b>Issue:</b> After you have upgraded HDF services on an HDP cluster, you may experience issues starting NiFi.</p> <p><b>Problem:</b> After upgrade, NiFi starts but Ambari reports that it is stopped. The command line NiFi service is running on the host.</p> <p><b>Workaround:</b> To work around this issue, click the Ambari <b>Restart All</b> option for NiFi. NiFi starts successfully.</p>
BUG-94090		SAM	<p><b>Issue:</b> You may be unable to import some topologies from HDF 3.0.x</p> <p><b>Problem:</b> When you have a new HDF 3.1.0 installation, you cannot import topologies created in HDF 3.0.x.</p> <p><b>Workaround:</b> To work around this issue, you can upgrade your existing version of HDF to HDF 3.1.0.</p>
		NiFi	<p><b>Issue:</b> When you have upgraded HDF services on your HDP cluster, the NiFi version number displayed in Ambari does not change from NiFi 1.2.0 to NiFi 1.5.0.</p>

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			<p><b>Workaround:</b> After performing the upgrade scenario for HDF services on an HDP cluster as documented in the <i>Ambari Managed HDF Upgrade</i> documentation, disregard the NiFi version displayed in Ambari. NiFi has been successfully upgraded.</p>
		NiFi	<p><b>Issue:</b> Unable to load native library.</p> <p><b>Associated error message:</b> You may encounter an error message similar to one of the following:</p> <ul style="list-style-type: none"> <li>Failed to write to HDFS of libhadoop was built without snappy support... Native snappy library not available: this version of libhadoop was built without snappy support.</li> <li>Failed to load native-hadoop with error: java.lang.UnsatisfiedLinkError: Native Library /path/to/hadoop/lib/native/libhadoop.so.1.0.0 already loaded in another classloader</li> </ul> <p><b>Problem:</b> Native libraries can only be loaded into the Java runtime by a single ClassLoader. Once a ClassLoader loads a native library, subsequent attempts to load that same native library by a different ClassLoader will fail. If multiple components in NiFi attempt to load a native library, it will fail to do so and the components may fail to execute if it attempts to use those native libraries. Whether those components fail ultimately depend on the order they are loaded and executed which is not guaranteed by NiFi. This will occur most frequently with components that leverage the native Hadoop library. These components include but are not limited to:</p> <ul style="list-style-type: none"> <li>NiFi Ranger Authorizer</li> <li>Any HDFS Processors</li> <li>Any HBase Processors</li> <li>Any Hive Processors</li> </ul> <p><b>Workaround:</b> This issue is most frequently encountered using an HDFS Processor with a Compression Codec that Hadoop leverages native libraries to implement. In this scenario, the dataflow can be updated to utilize a CompressContent Processor before/after the HDFS Processor to apply the desired compression. The CompressContent does not leverage native libraries and will not be susceptible to this known issue.</p>
BUG-94989		Storm/Ambari	<p><b>Issue:</b> When performing an Ambari managed rolling upgrade, you may encounter an inaccurate warning message indicating that Storm topologies need to be stopped.</p> <p><b>Associated error message:</b> Storm topologies need to stop.</p> <p><b>Workaround:</b> You may safely ignore this error message. Storm topologies do not need to be stopped before performing a rolling upgrade.</p>
	<a href="#">KNOX-1108</a>	NiFi/Knox	<p><b>Issue:</b> NiFi/Knox integration does not support HA.</p> <p>In NiFiHaDispatch, executeRequest is overridden and does not have the try/catch block in DefaultHaDispatch's</p>

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			executeRequest method which is used to catch exceptions and begin the fail over process. <b>Workaround:</b> There is no workaround for this issue.
BUG-90903	N/A	NiFi/Knox	<b>Issue:</b> Knox HA failover for NiFi is not supported. <b>Workaround:</b> There is no workaround for this issue.
BUG-63132	N/A	Storm	<b>Summary:</b> Solr bolt does not run in a Kerberos environment. <b>Associated error message:</b> The following is an example:  <pre>[ERROR] Request to collection hadoop_logs failed due to (401) org.apache.solr.client.solrj.impl.HttpSolrClient \$RemoteSolrException: Error from server at http:[...] Error 401 Authentication required</pre> <b>Workaround:</b> None at this time.

## 1.9. Third-Party Licenses

HDF 3.1.1 deploys numerous third-party licenses and dependencies, all of which are compatible with the Apache software license. For complete third-party license information, see the licenses and notice files contained within the distribution.