



# Hortonworks Data Platform 2.3

## GOVERNANCE & INTEGRATION

Apache Atlas

Apache Falcon

Apache Sqoop

Apache Flume

Apache Kafka

## BATCH, INTERACTIVE & REAL-TIME DATA ACCESS

Apache Pig

Apache Hive

Cascading

Apache HBase

Apache Accumulo

Apache Solr

Apache Saprk

Apache Storm

**YARN : Data Operating System**  
(Cluster Resource Management)

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**HDFS**

(Hadoop Distributed File System)

## SECURITY

Apache Ranger

Apache Knox

Kerberos

## OPERATIONS

Apache Ambari

Apache ZooKeeper

Apache Oozie

Cloudbreak

## Deployment Choice

Linux

Windows

On-premises

Cloud