



教你通过官网查找  
**hadoop、hbase、hive**版本兼容信息

时间：2015年10月14日

问题导读

**1.如何查看hbase与hadoop的兼容?**

**2.hive是否与所有hadoop兼容?**

**3.hadoop2.7.1 hbase1.2.x hive1.2.0是否兼容?**



打算做一个比较新的版本兼容,，版本的兼容是一个问题。那么如何来看是否兼容。

最简单的办法：

[hadoop、hbase、hive、zookeeper版本对应关系续\(最新版\)](#)

那么我们该如何查看hadoop、hbase、hive他们之间的兼容关系

这时候，我们就要去官网了：

首先查看hbase：

进入官网

<http://hbase.apache.org/>

# Welcome to Apache HBase™

Apache HBase™ is the [Hadoop](#) database, a distributed, scalable, big data store.

## Download Apache HBase™

Click [here](#) to download Apache HBase™.

## When Would I Use Apache HBase?

Use Apache HBase™ when you need random, realtime read/write access to your Big Data. This project's goal is the hosting millions of columns -- atop clusters of commodity hardware. Apache HBase is an open-source, distributed, versioned, non-[Bigtable: A Distributed Storage System for Structured Data](#) by Chang et al. Just as Bigtable leverages the distributed data store, Apache HBase provides Bigtable-like capabilities on top of Hadoop and HDFS.

## Features

- Linear and modular scalability.
- Strictly consistent reads and writes.
- Automatic and configurable sharding of tables
- Automatic failover support between RegionServers.
- [Common table uses](#) for backing Hadoop MapReduce jobs with Apache HBase tables.
- Easy to use Java API for client access.
- Block cache and Bloom Filters for real-time queries.
- Query predicate push down via server side Filters
- Thrift gateway and a REST-ful Web service that supports XML, Protobuf, and binary data encoding options
- Extensible JRuby-based (JIRB) shell
- Support for exporting metrics via the Hadoop metrics subsystem to files or Ganglia; or via JMX

## Where Can I Get More Information?

See the [Architecture Overview](#), the [Apache HBase Reference Guide FAQ](#), and the other documentation links on the left!

## Export Control

The HBase distribution includes cryptographic software. See the export control notice [here](#)

## Code Of Conduct

进入：

<http://hbase.apache.org/book.html#architecture>

一直下拉，我们就看到版本兼容信息

#### *Hadoop version support matrix*

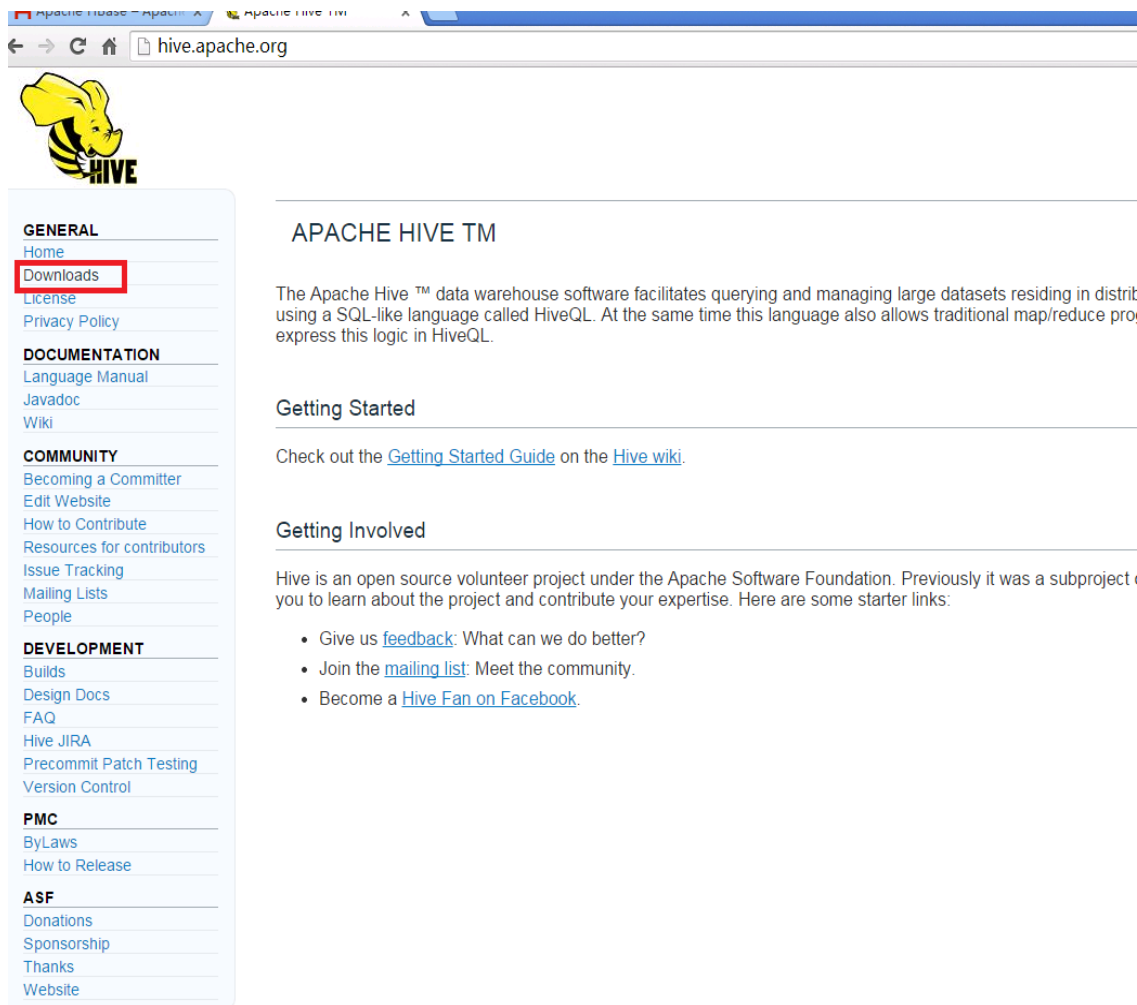
- "S" = supported
- "X" = not supported
- "NT" = Not tested

	HBase-0.94.x	HBase-0.98.x (Support for Hadoop 1.1+ is deprecated.)	HBase-1.0.x (Hadoop 1.x is NOT supported)	HBase-1.1.x	HBase-1.2.x
Hadoop-1.0.x	X	X	X	X	X
Hadoop-1.1.x	S	NT	X	X	X
Hadoop-0.23.x	S	X	X	X	X
Hadoop-2.0.x-alpha	NT	X	X	X	X
Hadoop-2.1.0-beta	NT	X	X	X	X
Hadoop-2.2.0	NT	S	NT	NT	NT
Hadoop-2.3.x	NT	S	NT	NT	NT
Hadoop-2.4.x	NT	S	S	S	S
Hadoop-2.5.x	NT	S	S	S	S
Hadoop-2.6.x	X	X	X	X	X
Hadoop-2.7.0	X	X	X	X	X
Hadoop-2.7.1+	NT	NT	NT	NT	S

#####

hive我们如何查看兼容信息，还是我们首先进入官网

<http://hive.apache.org/>，看到下图



点击downloads,进入

<http://hive.apache.org/downloads.html>

这时候我们看到下面内容:

Apache HBase - Apache x Downloads x

← → ↻ 🏠 📄 [hive.apache.org/downloads.html](http://hive.apache.org/downloads.html)

Wiki

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## News

27 June 2015 : release 1.2.1 available

This release works with Hadoop 1.x.y, 2.x.y

You can look at the complete [JIRA change log for this release](#).

21 May 2015 : release 1.0.1, 1.1.1, and ldap-fix are available

These two releases works with Hadoop 1.x.y, 2.x.y. They are based on Hive Users of previous versions can download and use the ldap-fix. More details

You can look at the complete JIRA change log for [release 1.0.1](#) and [releases](#)

18 May 2015 : release 1.2.0 available

This release works with Hadoop 1.x.y, 2.x.y

You can look at the complete [JIRA change log for this release](#).

8 March 2015: release 1.1.0 available

This release works with Hadoop 1.x.y, 2.x.y

You can look at the complete [JIRA change log for this release](#).

4 February 2015: release 1.0.0 available

This release works with Hadoop 1.x.y, 2.x.y

You can look at the complete [JIRA change log for this release](#).

12 November, 2014: release 0.14.0 available

This release works with Hadoop 1.x.y, 2.x.y

You can look at the complete [JIRA change log for this release](#).

6 June, 2014: release 0.13.1 available

This release works with Hadoop 0.20.x, 0.23.x.y, 1.x.y, 2.x.y

You can look at the complete [JIRA change log for this release](#).

21 April, 2014: release 0.13.0 available

This release works with Hadoop 0.20.x, 0.23.x.y, 1.x.y, 2.x.y

You can look at the complete [JIRA change log for this release](#).

这样，我们就看到了他们的兼容情况。

这样我们知道：

hadoop2.7.1 hbase1.2.x hive1.2.0是兼容的

hadoop2.7、hbase1.1、hive1.2.0、zookeeper版本对应关系续(最新版)

接上篇：

hadoop、hbase、hive、zookeeper版本对应关系

hive 0.14 支持**hadoop**版本

Hadoop 1.x.y, 2.x.y

hive 1.0.0 支持**hadoop**版本

Hadoop 1.x.y, 2.x.y

hive 1.1.0 支持**hadoop**版本

Hadoop 1.x.y, 2.x.y

hive 1.2.0 支持**hadoop**版本

Hadoop 1.x.y, 2.x.y

hive 1.2.1 支持**hadoop**版本

Hadoop 1.x.y, 2.x.y

hadoop与hive版本对应关系

**hive版本 1.2.0** 支持**hadoop**版本

Hadoop 1.x.y, 2.x.y

**hive版本 1.1.0** 支持**hadoop**版本

Hadoop 1.x.y, 2.x.y

**hive版本 1.0.0**支持**hadoop**版本

Hadoop 1.x.y, 2.x.y

**hive版本0.13.1**支持**hadoop**版本

Hadoop 0.20.x, 0.23.x.y, 1.x.y, 2.x.y

**hive版本0.13.0**支持**hadoop**版本

Hadoop 0.20.x, 0.23.x.y, 1.x.y, 2.x.y

**hive版本0.12.0支持hadoop版本**

Hadoop 0.20.x, 0.23.x.y, 1.x.y, 2.x.y

**hive版本0.11.0支持hadoop版本**

Hadoop 0.20.x, 0.23.x.y, 1.x.y, 2.x.y

**hive版本0.10.0支持hadoop版本**

Hadoop 0.20.x, 0.23.x.y, 1.x.y, 2.x.y

hbase对JDK支持:

HBase Version	JDK 6	JDK 7	JDK 8
1.1	不支持	支持	支持，但未充分测试
1.0	不支持	支持	支持，但未充分测试
0.98	支持	支持	支持，但未充分测试（构建需要注意去除PoolMap class的remove方法）
0.96	支持	支持	N/A
0.94	支持	支持	N/A

hbase1.2 不支持1.6，支持1.7，支持1.8



### *Hadoop version support matrix*

- "S" = supported
- "X" = not supported
- "NT" = Not tested

	HBase-0.94.x	HBase-0.98.x (Support for Hadoop 1.1+ is deprecated.)	HBase-1.0.x (Hadoop 1.x is NOT supported)	HBase-1.1.x	HBase-1.2.x
Hadoop-1.0.x	X	X	X	X	X
Hadoop-1.1.x	S	NT	X	X	X
Hadoop-0.23.x	S	X	X	X	X
Hadoop-2.0.x-alpha	NT	X	X	X	X
Hadoop-2.1.0-beta	NT	X	X	X	X
Hadoop-2.2.0	NT	S	NT	NT	NT
Hadoop-2.3.x	NT	S	NT	NT	NT
Hadoop-2.4.x	NT	S	S	S	S
Hadoop-2.5.x	NT	S	S	S	S
Hadoop-2.6.x	X	X	X	X	X
Hadoop-2.7.0	X	X	X	X	X
Hadoop-2.7.1+	NT	NT	NT	NT	S

hive、hbase、zookeeper的关系

分布式平台软件选型（Hadoop）				
软件名	最新版（高手）	稳定版三（推荐）	稳定版二（官方）	稳定版一（官方）
Hadoop	2.5.0	2.2.0	1.2.1	0.20.2
HBase	0.98.5	0.96.0	0.98.5	0.90.3
ZooKeeper	3.4.6	3.4.5	3.4.6	3.3.3
Pig	0.13.0		0.13.0	0.9.0
Hive	0.13.1	0.12.0	0.13.1	0.7.1
Chukwa	0.5.0		0.5.0	0.4.0
sqoop	1.4.5	1.4.2		

说明：红色为必选。建议采用最新版。

hadoop1.2+hbase0.95.0+hive0.11.0 会产生hbase+hive的不兼容，创建hive+hbase的关联表就会报pair对异常。

hadoop1.2+hbase0.94.9+hive0.10.0 没问题，解决了上个版本的不兼容问题。

hadoop-1.0.3+hive-0.9.0+hbase-0.92.0兼容

hadoop2.2+hbase0.96+hive0.12兼容（有些小问题，可能需要一些补丁）

hadoop2.2+hbase0.96+hive0.13兼容（应该兼容）

官网给出内容：

ZooKeeper 3.4.x is required as of HBase 1.0.0.

## 4.2. ZooKeeper Requirements

ZooKeeper 3.4.x is required as of HBase 1.0.0. HBase makes use of the multi functionality that is only available since 3.4.0 (The useMulti configuration option defaults to true in HBase 1.0.0). See [HBASE-12241 \(The crash of regionServer when taking deadserver's replication queue breaks replication\)](#) and [HBASE-6775 \(Use ZK.multi when available for HBASE-6710 0.92/0.94 compatibility fix\)](#) for background.

文章会随时更新，如有错误，欢迎批评指正，在此基础上会对其扩展  
录制视频，不断更新[hadoop生态系统零基础入门【后续不断更新】](#)

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