



链滴

# Hadoop 安装与配置

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原文链接: <https://ld246.com/article/1523175334523>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

<p>据说玩 hadoop 的都知道这个网站.<br>

archive.apache.org/dist/</p>

<ol>

<li>

<p>上传文件略</p>

</li>

<li>

<p><code>tar -zxvf hadoop-2.4.1.tar.gz </code> </p>

</li>

<li>

<p>修改配置文件 <code>etc</code> 目录<br>

3.1 <code>vi hadoop-env.sh</code> </p>

<p>#export JAVA\_HOME=\${JAVA\_HOME}<br>

export JAVA\_HOME=/usr/lib/jvm/java<br>

3.2 <code>vi core-site.xml</code> </p>

fs.defaultFS

hdfs://itcast01:9000

hadoop.tmp.dir

/itcast/hadoop-2.4.1/tmp

</li>

</ol>

<p>3.3 hdfs-site.xml</p>

```
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> &lt;!-- 指定HDFS副本的数量 --&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;property&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;name&gt;df
```

```
.replication&lt;/name&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;value&gt;1
```

```
lt;/value&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;/property&gt;
```

```
</span> </span> </code> </pre>
```

<p>3.4 mapred-site.xml<br>

<code>cp mapred-site.xml.template mapred-site.xml</code> </p>

```
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> &lt;!-- 指定mr运行在yarn上 --&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;property&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;name&gt;m
```

```
preduce.framework.name&lt;/name&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;value&gt;ya
```

```
n&lt;/value&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;/property&gt;
```

```
</span> </span> </code> </pre>
```

<p>3.5 yarn-site.xml</p>

```
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> &lt;!-- 指定YARN的老大 (ResourceManager) 的地址 --&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;property&gt;
```

```
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;name&gt;
```

```
&lt;/name&gt;
```

```

yarn.resourcemanager.hostname</name>>
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;value>
tcast01&lt;/value>>
</span></span><span class="highlight-line"><span class="highlight-cl">&lt;/property>>
</span></span><span class="highlight-line"><span class="highlight-cl">&lt;!-- reducer获
数据的方式 --&gt;
</span></span><span class="highlight-line"><span class="highlight-cl">&lt;/property>>
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;name>>
yarn.nodemanager.aux-services&lt;/name>>
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;value>
mapreduce_shuffle&lt;/value>>
</span></span><span class="highlight-line"><span class="highlight-cl">&lt;/property>>
</span></span></code></pre>
<p>4 将 hadoop 添加到环境变量<br>
<code>vim /etc/proflie</code></p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">export JAVA_HOME=/usr/java/jdk1.7.0_65
</span></span><span class="highlight-line"><span class="highlight-cl">export HADOOP_
OME=/itcast/hadoop-2.4.1
</span></span><span class="highlight-line"><span class="highlight-cl">export PATH=$PA
H:$JAVA_HOME/bin:$HADOOP_HOME/bin:$HADOOP_HOME/sbin
</span></span></code></pre>
<p><code>source /etc/profile</code><br>
5 格式化 namenode (是对 namenode 进行初始化) <br>
<code>hdfs namenode -format</code> (hadoop namenode -format)<br>
6 启动 hadoop</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl"> 先启动HDFS
</span></span><span class="highlight-line"><span class="highlight-cl">  sbin/start-dfs.s
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl"> 再启动YARN
</span></span><span class="highlight-line"><span class="highlight-cl">  sbin/start-yarn.
h
</span></span></code></pre>
<ol start="7">
<li>
<p>验证是否启动成功<br>
使用 jps 命令验证<br>
27408 NameNode<br>
28218 Jps<br>
27643 SecondaryNameNode<br>
28066 NodeManager<br>
27803 ResourceManager<br>
27512 DataNode</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl"> http://192.168.8.118:50070 (HDFS管理界面)
</span></span><span class="highlight-line"><span class="highlight-cl"> http://192.168.8.
18:8088 (MR管理界面)
</span></span></code></pre>
</li>
</ol>
<p>8 测试<br>
hadoop fs -put xx.txt /accitest<br>

```

```
hadoop fs -get /accitest tt</p>  
<p>---- 本文是在 itcast 的学习笔记</p>
```