**Properties for Hadoop\_NameNode(NN)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Description** | **Type** | **Catalog Value** | **Blueprint Value** |
| INSTALL\_PATH | Path for installing Hadoop Cluster package. | String | /home/hadoop/project |  |
| DOWNLOAD\_URL | URL to download Hadoop tar file | String | http://mirror.nyi.net/apache//hadoop/core/hadoop-0.20.203.0/hadoop-0.20.203.0rc1.tar.gz |  |
| SELFIP | Machine’s IP | String |  | self:ip |
| JOBTRACKER | IP of the JobTracker Machine | String |  | JT:ip |
| USER\_NAME | User's name for Hadoop Installation | String | hadoop |  |
| GROUP\_NAME | User's Group used for Hadoop Installation | String | hadoop |  |
| PASSWORD | Password of Hadoop user | String |  |  |
| SlAVEIPS | IP array of slaves (DataNodes) for NameNode | Array |  | all(DN:ip) |
| TASKTRACKER | IP array of TaskTracker Machines. | Array |  | all(TT:ip) |
| DFS\_REPLICATION | To specify actual number of replications of Blocks | String | 2 |  |

**Properties for Hadoop\_DataNode(DN)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Description** | **Type** | **Catalog Value** | **Blueprint Value** |
| INSTALL\_PATH | Path for installing Hadoop Cluster package. | String | /home/hadoop/project | NN:Hadoop\_NameNode:INSTALL\_PATH |
| DOWNLOAD\_URL | URL to download Hadoop tar file | String | http://mirror.nyi.net/apache//hadoop/core/hadoop-0.20.203.0/hadoop-0.20.203.0rc1.tar.gz |  |
| SELFIP | Machine’s IP | String |  | self:ip |
| NAMENODE | IP of NameNode machine |  |  | NN:ip |
| JOBTRACKER | IP of the JobTracker Machine |  |  | JT:ip |
| USER\_NAME | User's name for Hadoop Installation | String | hadoop | NN:Hadoop\_NameNode:USER\_NAME |
| GROUP\_NAME | User's Group used for Hadoop Installation | String | hadoop | NN:Hadoop\_NameNode:GROUP\_NAME |
| PASSWORD | Password of Hadoop user | String |  | NN:Hadoop\_NameNode:PASSWORD |
| SlAVEIPS | IP array of all DataNode Machines. |  |  | all(DN:ip) |
| DFS\_REPLICATION | To specify actual number of replications of Blocks | String | 2 |  |

**Properties for Hadoop\_JobTracker**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Description** | **Type** | **Catalog Value** | **Blueprint Value** |
| INSTALL\_PATH | Path for installing Hadoop Cluster package. | String | /home/hadoop/project | NN:Hadoop\_NameNode:INSTALL\_PATH |
| DOWNLOAD\_URL | URL to download Hadoop tar file | String | http://mirror.nyi.net/apache//hadoop/core/hadoop-0.20.203.0/hadoop-0.20.203.0rc1.tar.gz |  |
| SELFIP | Machine’s IP | String |  | self:ip |
| NAMENODEIP | IP of NameNode machine | String |  | NN:ip |
| USER\_NAME | User's name for Hadoop Installation | String | hadoop | NN:Hadoop\_NameNode:USER\_NAME |
| GROUP\_NAME | User's Group used for Hadoop Installation | String | hadoop | NN:Hadoop\_NameNode:GROUP\_NAME |
| PASSWORD | Password of Hadoop user | String |  | NN:Hadoop\_NameNode:PASSWORD |
| DATANODE | IP array of DataNode Machines. |  |  | all(DN:ip) |
| SlAVEIPS | IP array of slaves (TaskTracker) for JobTracker |  |  | all(TT:ip) |
| DFS\_REPLICATION | To specify actual number of replications of Blocks | String | 2 |  |

**Properties for Hadoop\_ TaskTracker**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Description** | **Type** | **Catalog Value** | **Blueprint Value** |
| INSTALL\_PATH | Path for installing Hadoop Cluster package. | String | /home/hadoop/project | NN:Hadoop\_NameNode:INSTALL\_PATH |
| DOWNLOAD\_URL | URL to download Hadoop tar file | String | http://mirror.nyi.net/apache//hadoop/core/hadoop-0.20.203.0/hadoop-0.20.203.0rc1.tar.gz |  |
| SELFIP | Machine’s IP | String |  | self:ip |
| DATANODE | IP of Datanode machine | String |  | all(DN:ip) |
| JOBTRACKER | IP of the JobTracker Machine | String |  | JT:ip |
| NAMENODE | IP of the NameNode Machine | String |  | NN:ip |
| USER\_NAME | User's name for Hadoop Installation | String | hadoop | NN:Hadoop\_NameNode:USER\_NAME |
| GROUP\_NAME | User's Group used for Hadoop Installation | String | hadoop | NN:Hadoop\_NameNode:GROUP\_NAME |
| PASSWORD | Password of Hadoop user | String |  | NN:Hadoop\_NameNode:PASSWORD |
| SlAVEIPS | IP array of slaves (DataNodes) for NameNode |  |  | all(TT:ip) |
| DFS\_REPLICATION | To specify actual number of replications of Blocks | String | 2 |  |

**Properties for Hadoop\_Sync\_DataNode**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Description** | **Type** | **Catalog Value** | **Blueprint Value** |
| TASKTRACKER\_IPS | IP array of allTaskTracker Machines. | Array |  | all(TT:ip) |
| DATANODE\_IPS | IP array of all DataNode Machines. | Array |  | all(DN:ip) |
| DATA\_HOSTS | Array of HostName of all DataNodes. | Array |  | all(DN:Hadoop\_DataNode:HOST\_NAME) |
| TASK\_HOSTS | Array of HostName of all TaskTracker. | Array |  | all(TT:Hadoop\_TaskTracker:HOST\_NAME) |

**Properties for Hadoop\_Sync\_TaskTracker**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Description** | **Type** | **Catalog Value** | **Blueprint Value** |
| TASKTRACKER\_IPS | IP array of allTaskTracker Machines. | Array |  | all(TT:ip) |
| DATANODE\_IPS | IP array of all DataNode Machines. | Array |  | all(DN:ip) |
| DATA\_HOSTS | Array of HostName of all DataNodes. | Array |  | all(DN:Hadoop\_DataNode:HOST\_NAME) |
| TASK\_HOSTS | Array of HostName of allTaskTracker. | Array |  | all(TT:Hadoop\_TaskTracker:HOST\_NAME) |

**Properties for tc\_Server**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Description** | **Type** | **Catalog Value** | **Blueprint Value** |
| install\_path | Installation path | String | /opt/vmware/darwin/tcserver |  |
| tcserver\_package | URL to download tcserver package | Content | http://${darwin.server.ip}/artifacts/services/tcserver/tc-server-standard-2.1.0.RELEASE.tar.gz |  |
| installer | URL to download installer package | Content | http://${darwin.server.ip}/artifacts/services/tcserver/installer |  |
| instance\_name | Name of the instance to create. Leave empty to skip creating an instance. | String | instance1 |  |
| automatically\_start | Automatically start the instance once the instal is done? Set to YES or NO. | String | YES |  |
| JVM\_ROUTE | The JVM route for the Catalina engine. This is used for session affinity. | String | 0 |  |
| use\_ajp | Enable this when configuring proxy to Tomcat instance that is using AJP. Set to YES or NO. | String | NO |  |
| global\_conf | URL to download Darwin global configuration for each node | Content | https://${darwin.server.ip}:8443/darwin/conf/darwin\_global.conf |  |
| war |  | String | 10.150.118.52:/share/mount/HadoopDemoApp.war |  |
| jobsh |  | String | 10.150.118.52:/share/mount/job.sh |  |
| NFSPATH | Path for NFS | String | 10.150.118.52:/share/mount |  |
| selfip |  | String |  | self:ip |
| service\_start |  | String | Read-only command to start the service to be a hint to use. The value will be set during installation time. |  |
| service\_stop |  | String | Read-only command to stop the service to be a hint to use. The value will be set during installation time. |  |
| service\_restart |  | String | Read-only command to restart the service to be a hint to use. The value will be set during installation time. |  |
| instance\_dir |  | String | Read-only instance directory that will be created. The service will set the value during installation. |  |
| webapps\_dir |  | String | Read-only Path to the webapps directory. The service will set the value at installation time. |  |