

# Ports Used by Components of CDH 5

## (#topic\_9\_1)

All ports listed are TCP.

Component	Service	Qualifier	Port	Access Requirement	Configu
Hadoop HDFS	DataNode		50010	External	dfs.dat
	DataNode	Secure	1004	External	dfs.dat
	DataNode		50075	External	dfs.dat
	DataNode		50475	External	dfs.dat
	DataNode	Secure	1006	External	dfs.dat
	DataNode		50020	External	dfs.dat
	NameNode		8020	External	fs.defa or fs.defa
	NameNode		8022	External	dfs.nam service

	NameNode		50070	External	dfs.http or dfs.nam
	NameNode	Secure	50470	External	dfs.http or dfs.nam
	Secondary NameNode		50090	Internal	dfs.sec or dfs.nam seconda http-ad
	Secondary NameNode	Secure	50495	Internal	dfs.sec
	JournalNode		8485	Internal	dfs.nam shared.
	JournalNode		8480	Internal	dfs.jou http-ad
	JournalNode		8481	Internal	dfs.jou https-a
	Failover Controller		8019	Internal	

	NFS gateway		2049	External	
	NFS gateway		4242	External	
	NFS gateway		111	External	
	HttpFS		14000	External	
	HttpFS		14001	External	
Hadoop MapReduce (MRv1)	JobTracker		8021	External	mapred.
	JobTracker		8023	External	mapred.
	JobTracker		50030	External	mapred. tracker http.ad

	JobTracker	Thrift Plugin	9290	Internal	jobtrac thrift.
	TaskTracker		50060	External	mapred. tracker address
	TaskTracker		0	Localhost	mapred. tracker address
	Failover Controller		8018	Internal	mapred.
Hadoop YARN (MRv2)	ResourceManager		8032	External	yarn. resourc address
	ResourceManager		8030	Internal	yarn. resourc schedul
	ResourceManager		8031	Internal	yarn. resourc resourc address
	ResourceManager		8033	External	yarn. resourc admin. a
	ResourceManager		8088	External	yarn. resourc webapp.

	ResourceManager		8090	External	yarn. resourc webapp.
	NodeManager		8040	Internal	yarn. nodeman localiz address
	NodeManager		8041	Internal	yarn. nodeman address
	NodeManager		8042	External	yarn. nodeman webapp.
	NodeManager		8044	External	yarn. nodeman webapp.
	JobHistory Server		10020	Internal	mapred jobhist address
	JobHistory Server		10033	Internal	mapred jobhist address
	Shuffle HTTP		13562	Internal	
	JobHistory Server		19888	External	mapred jobhist webapp.
	JobHistory Server		19890	External	mapred jobhist

					webapp.
	ApplicationMaster			External	
Flume	Flume Agent		41414	External	
Hadoop KMS	Key Management Server		16000	External	kms_htt
	Key Management Server		16001	Localhost	kms_adm
HBase	Master		60000	External	hbase.m port
	Master		60010	External	hbase.m info.po
	RegionServer		60020	External	hbase. regions port
	RegionServer		60030	External	hbase. regions info.po
	HQuorumPeer		2181	Internal	hbase. zookeep propert clientP

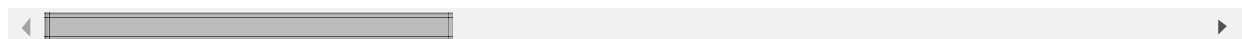
	HQuorumPeer		2888	Internal	hbase. zookeep peerpor
	HQuorumPeer		3888	Internal	hbase. zookeep leaderp
	REST	Non- Cloudera Manager - managed	8080	External	hbase. r
	REST	Cloudera Manager - managed	20550	External	hbase. r
	REST UI		8085	External	
	Thrift Server	Thrift Server	9090	External	Pass -p
	Thrift Server		9095	External	
		Avro server	9090	External	Pass --p
	hbase-solr- indexer	Lily Indexer	11060	External	
Hive	Metastore		9083	External	

	HiveServer2		10000	External	hive. server2 thrift.
	WebHCat Server		50111	External	templet
Hue	Server		8888	External	
Oozie	Oozie Server		11000	External	OOZIE_H in oozie-e
	Oozie Server	SSL	11443	External	
	Oozie Server		11001	localhost	OOZIE_A in oozie-e
Sentry	Sentry Server		8038	External	sentry. server.
	Sentry Server		51000	External	sentry. web. por
Spark	Default Master RPC port		7077	External	
				External	



	Default Worker RPC port		7078		
	Default Master web UI port		18080	External	
	Default Worker web UI port		18081	External	
	History Server		18088	External	history
	Shuffle service		7337	Internal	
Sqoop	Metastore		16000	External	sqoop. metasto server.
Sqoop 2	Sqoop 2 server		8005	Localhost	SQOOP_A environ:
	Sqoop 2 server		12000	External	
	Sqoop 2		12001	External	
ZooKeeper	Server (with CDH 5 or Cloudera Manager 5)		2181	External	clientPo
	Server (with CDH 5 only)		2888	Internal	X in se =host:X

	Server (with CDH 5 only)		3888	Internal	X in se =host:X
	Server (with CDH 5 and Cloudera Manager 5)		3181	Internal	X in se =host:X
	Server (with CDH 5 and Cloudera Manager 5)		4181	Internal	X in se =host:X
	ZooKeeper JMX port		9010	Internal	



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Page generated June 29, 2016.