**Solr Cloud Setup**

**# Download required Setup**

**1. JAVA -** java version "1.8.0\_241"

**2. Solr Setup -** <http://archive.apache.org/dist/lucene/solr/8.4.1/solr-8.4.1.tgz>

**3. Solr Src -** <http://archive.apache.org/dist/lucene/solr/8.4.1/solr-8.4.1-src.tgz>

**4. Zookeeper Setup** - https://archive.apache.org/dist/zookeeper/zookeeper-3.5.5/apache-zookeeper-3.5.5-bin.tar.gz

**# To Start Zookeeper**

bin/zkServer.sh start

**zookeeper CLI Access -** [sh zkCli.sh -server zookeeper.saas.com:2](https://medium.com/@sarkaramrit2/setting-up-solr-cloud-6-3-0-with-zookeeper-3-4-6-867b96ec4272)181

**# To Start Solr**

./solr start -force -c -p 5151 -h solr1.saas.com -z zookeeper1.saas.com:2181,zookeeper2.saas.com:2181,zookeeper3.saas.com:2182

**# Upload solr config files to Zookeeper**

**a. Using Solr Zoo CLI** (Present in **/opt/solr-8.4.1/server/scripts/cloud-scripts**)

./zkcli.sh -zkhost <ZOOKEEPER\_URLs> -cmd upconfig -confdir <conf directory> -confname <Config\_Name>

./zkcli.sh -cmd upconfig -confdir /opt/solr-8.4.1/server/solr/configsets/product/conf -confname product -z zookeeper1.saas.com:2181,zookeeper2.saas.com:2181,zookeeper3.saas.com:2182

./zkcli.sh -cmd linkconfig -collection product -confname product -z zookeeper1.saas.com:2181,zookeeper2.saas.com:2181,zookeeper3.saas.com:2182

**# Remove ConfigSet**

./zkcli.sh -cmd clear -z "zookeeper1.saas.com:2181,zookeeper2.saas.com:2182" /configs/product

**b. Using Solr Command**  
./solr zk upconfig -n <name for configset> -d <path to directory with configset> -z <zkHost:Port>

./solr zk upconfig -n product -d /opt/solr-8.4.1/server/solr/configsets/product/conf -z zookeeper1.saas.com:2181,zookeeper2.saas.com:2181,zookeeper3.saas.com:2182

solr zk upconfig|downconfig -d <confdir> -n <configName> [-z zkHost]

solr zk cp [-r] <src> <dest> [-z zkHost]

solr zk rm [-r] <path> [-z zkHost]

solr zk mv <src> <dest> [-z zkHost]

solr zk ls [-r] <path> [-z zkHost]

solr zk mkroot <path> [-z zkHost]

**# Collection Creation**

./solr create\_collection -c product -s 1 -rf 3 -force **--> To Create Product**

./solr create\_collection -c product -d product -n product -s 1 -rf 3

**# Reference**

a. http://lucene.apache.org/solr/guide/8\_4/aws-solrcloud-tutorial.html

b. http://lucene.apache.org/solr/guide/8\_4/setting-up-an-external-zookeeper-ensemble.html#setting-up-an-external-zookeeper-ensemble

c. https://medium.com/@sarkaramrit2/setting-up-solr-cloud-6-3-0-with-zookeeper-3-4-6-867b96ec4272

d. https://factorpad.com/tech/solr/reference/solr-create-collection.html

e. <https://stackoverflow.com/questions/27857450/how-to-use-upconfig-linkconfig-scripts-on-external-zookeeper>

f. <https://docs.microfocus.com/UCMDB/2018.08/ucmdb-docs/docs/eng/doc_lib/Content/>

**zookeeper CLI server -** [sh zkCli.sh -server zookeeper.saas.com:2](https://medium.com/@sarkaramrit2/setting-up-solr-cloud-6-3-0-with-zookeeper-3-4-6-867b96ec4272)181[admin/ConfigSolrCloud\_w\_ZookeeperEnsemble.htm](https://docs.microfocus.com/UCMDB/2018.08/ucmdb-docs/docs/eng/doc_lib/Content/admin/ConfigSolrCloud_w_ZookeeperEnsemble.htm)