**Setup to create Multiple Solr Instance (Setup to handle multiple web-applications request)**

1. Download ***SOLR-4.X.X*** from solr website and after downloading extract it.
2. Copy content of ***..\solr-4.10.2\solr-4.10.2\example\lib\ext*** into ***C:\Program Files\Apache Software Foundation\Tomcat 8.0\lib***
3. Copy content of ***..\solr-4.10.2\solr-4.10.2\example\resources*** into ***C:\Program Files\Apache Software Foundation\Tomcat 8.0\lib***
4. Create a folder where multiple SOLR databases for their respective applications would reside.

***Eg D:\SOLRDatabase.***

1. Create a folder inside SOLRDatabase folder. This folder represents solr database for your respective application.

***Eg D:\SOLRDatabase\BuyMyJunk.***

1. Create an BuyMyJunk.xml file inside this path

***C:\Program Files\Apache Software Foundation\Tomcat 8.0\conf\Catalina\localhost***

And add this code in it.

<?xml version="1.0" encoding="utf-8"?>

<Context docBase="C:\Program Files\Apache Software Foundation\Tomcat 8.0\webapps\solr.war" debug="0" crossContext="true">

<Environment name="solr/home" type="java.lang.String" value="D:\SOLRDatabase\BuyMyJunk" override="true"/>

</Context>

***Don't put anything related to Solr under the C:\Program Files\Apache Software Foundation\Tomcat 8.0\webapps directory.***

1. Copy ***SOLR-4.X.X.war*** from ***D:\Installersss\solr-4.10.2\solr-4.10.2\dist*** folder to ***C:\Program Files\Apache Software Foundation\Tomcat 8.0\lib*** folder. Change the name from ***SOLR-4.X.X.war*** to ***solr.war***.

**Creating 1st Core (or table) for BuyMyJunk database.**

1. Copy contents of ***..\solr-4.10.2\solr-4.10.2\example\solr*** folder and paste it inside ***D:\SOLRDatabase\BuyMyJunk*** folder.
2. Change folder name of ***D:\SOLRDatabase\BuyMyJunk\collection1*** to ***advertisements***. This represents table name in your BuyMyJunk database (or Core in solr).
3. From ***D:\SOLRDatabase\BuyMyJunk\advertisements\conf*** folder, open ***solrconfig.xml*** file.

In this file find ***<dataDir>*** tag and make these changes.

<dataDir>${solr.BuyMyJunk.advertisements.data.dir:D:\SOLRDatabase\BuyMyJunk\advertisements\data}</dataDir>

This path represents the location where actual indexing of ***advertisements*** table of ***BuyMyJunk*** database would be done.

**Start TomCat server. Goto localhost:8983/**

**Step to create a new Core (or table) for BuyMyJunk database.**

1. Stop TomCat server (if running).
2. Copy ***Core0*** folder from ***..\solr-4.10.2\solr-4.10.2\example\multicore*** to ***D:\SOLRDatabase\BuyMyJunk\***
3. Change folder name of ***Core0*** to ***dealers***. This represents table name in your ***BuyMyJunk*** database (or Core in solr).
4. From ***D:\SOLRDatabase\BuyMyJunk\dealers\conf*** folder, open ***solrconfig.xml*** file.

In this file find ***<dataDir>*** tag and make these changes.

<dataDir>${solr.BuyMyJunk.dealers.data.dir:D:\SOLRDatabase\BuyMyJunk\dealers\data}</dataDir>

This path represents the location where actual indexing of ***dealers*** table of ***BuyMyJunk*** database would be done.

1. Start TomCat server.
2. Goto http://localhost:8983/BuyMyJunk/.

Click on ***Core Admin*** -> ***Add Core*** ->

**name**: This is the name of Core that you want to give. In current case it is dealers.

**instanceDir**: Location where current core (dealer) is located. In current case ***D:\SOLRDatabase\BuyMyJunk\dealers\***

**dataDir**: Location where data would be index for current core (dealer). In current case ***D:\SOLRDatabase\BuyMyJunk\dealers\data***

**config**: Location where solrconfig.xml for current core (dealer) is located. In current case ***D:\SOLRDatabase\BuyMyJunk\dealers\conf\solrconfig.xml***

**schema**: Location where schema.xml for current core (dealer) is located. In current case ***D:\SOLRDatabase\BuyMyJunk\dealers\conf\schema.xml***

Click on **Add Core**. A new core would be created.

**Step to create a new database.**

1. Stop TomCat server (if running).
2. Create a folder inside SOLRDatabase folder. This folder represents solr database for your respective application.

***Eg D:\SOLRDatabase\EcoReco.***

1. Copy contents of ***..\solr-4.10.2\solr-4.10.2\example\solr*** folder and paste it inside ***D:\SOLRDatabase\EcoReco*** folder.
2. Create an ***EcoReco.xml*** file inside this path

***C:\Program Files\Apache Software Foundation\Tomcat 8.0\conf\Catalina\localhost***

And add this code in it.

<?xml version="1.0" encoding="utf-8"?>

<Context docBase="C:\Program Files\Apache Software Foundation\Tomcat 8.0\webapps\solr.war" debug="0" crossContext="true">

<Environment name="solr/home" type="java.lang.String" value="D:\SOLRDatabase\EcoReco" override="true"/>

</Context>

***Don't put anything related to Solr under the C:\Program Files\Apache Software Foundation\Tomcat 8.0\webapps directory.***

1. To create your first core or table, refer ***Creating 1st Core (or table) for BuyMyJunk database*** section and change ***BuyMyJunk*** value with ***EcoReco***.