

# Solr Installation in Linux

Application URL : <http://192.168.1.208:8983/solr>

User Name : administrator

## Installing process.

```
cd ~/
```

```
wget https://downloads.apache.org/lucene/solr/8.9.0/solr-8.9.0.tgz
```

```
wget https://downloads.apache.org/lucene/solr/8.9.0/solr-8.9.0.tgz.asc
```

```
wget https://downloads.apache.org/lucene/solr/8.9.0/solr-8.9.0.tgz.sha512
```

```
install
```

```
tar xzf solr-8.9.0.tgz
```

```
cd ~/solr-8.9.0/bin
```

```
sudo ./install_solr_service.sh ~/solr-8.9.0.tgz
```

```
sudo systemctl stop solr  
sudo systemctl start solr  
sudo systemctl status solr
```

```
sudo systemctl enable solr  
sudo systemctl restart solr  
sudo systemctl status solr
```

## Creating the first core

```
su - solr -c "/opt/solr-8.9.0/bin/solr create -c testcol1 -n data_driven_schema_configs"
```

## stop the solr

```
systemctl stop solr
```

```
sudo su
```

```
sudo chmod -R 777 /var/solr/
```

```
sudo chmod -R 777 /opt/solr/
```

## use the Core ftp to upload mysql jdbc drive to **/opt/solr/dist**

## DATA OF CORES

All the data resides in **/var/solr/data/YOURCORE/conf**

go to the respective core and follow the steps

```
systemctl stop solr
```

### 1. Create file db-data-config.xml

```
<dataConfig>
  <dataSource type="JdbcDataSource"
    driver="com.mysql.jdbc.Driver"
    url="jdbc:mysql://192.168.204.100:3306/basket_prod?serverTimezone=UTC&tinyInt1isBit=false"
    user="bruneiprod"
    password="5exA8IYAHeva"/>
  <document>
    ☐☐<entity name="Products" pk="ItemID" query="SELECT ItemID, CategoryID, ItemName, Description, Features,
    Specifications, CategoryName, NetAmount, StockInHand, ImageUpdaloading, VatIncluded, AmountIncludingVat,
    Discount, CompanyID, CompanyDisplayName, Flag FROM basket_prod.solr_itemload">
    ☐☐☐<field column="ItemID" name="ItemID"/>
    ☐☐☐<field column="CategoryID" name="CategoryID"/>
```

```

<field column="ItemName" name="ItemName"/>
<field column="Description" name="Description"/>
<field column="Features" name="Features"/>
<field column="Specifications" name="Specifications"/>
<field column="CategoryName" name="CategoryName"/>
<field column="NetAmount" name="NetAmount"/>
<field column="StockInHand" name="StockInHand"/>
<field column="ImageUpdaloading" name="ImageUpdaloading"/>
<field column="VatIncluded" name="VatIncluded"/>
<field column="AmountIncludingVat" name="AmountIncludingVat"/>
<field column="Discount" name="Discount"/>
<field column="CompanyID" name="CompanyID"/>
<field column="CompanyDisplayName" name="CompanyDisplayName"/>
<field column="Flag" name="Flag"/>
</entity>
</document>
</dataConfig>

```

Edit Managed Schema and add the fields that you want to load at the end of the file before **</schema>**

```

<field name="ItemID" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="CategoryID" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="ItemName" type="text_general" multiValued="false"/>
<field name="Description" type="text_general" multiValued="false"/>
<field name="Features" type="text_general" multiValued="false"/>
<field name="Specifications" type="text_general" multiValued="false"/>
<field name="CategoryName" type="string" stored="true" multiValued="false"/>
<field name="NetAmount" type="string" stored="true" multiValued="false"/>
<field name="StockInHand" type="string" stored="true" multiValued="false"/>
<field name="ImageUpdaloading" type="string" stored="true" multiValued="false"/>
<field name="VatIncluded" type="string" stored="true" multiValued="false"/>
<field name="AmountIncludingVat" type="string" stored="true" multiValued="false"/>
<field name="Discount" type="string" stored="true" multiValued="false"/>
<field name="CompanyID" type="string" stored="true" multiValued="false"/>
<field name="CompanyDisplayName" type="string" stored="true" multiValued="false"/>
<field name="Flag" type="string" stored="true" multiValued="false"/>

```

Edit solrconfig.xml add at the bottom

```
<requestHandler name="/dataimport" class="solr.DataImportHandler">
  <lst name="defaults">
    <str name="config">db-data-config.xml</str>
  </lst>
</requestHandler>

<lib dir="${solr.install.dir:../../../../dist/" regex="solr-dataimporthandler-.*\.jar" />
<lib dir="${solr.install.dir:../../../../dist/" regex="mysql-connector-java-5.1.23-bin.jar" />
```

```
systemctl start solr
```

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