**APACHE-SOLR**

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**APACHE-SOLR is one of the best for enterprise searching.**

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**Why Solr?**

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**Functions of a Search Engine**

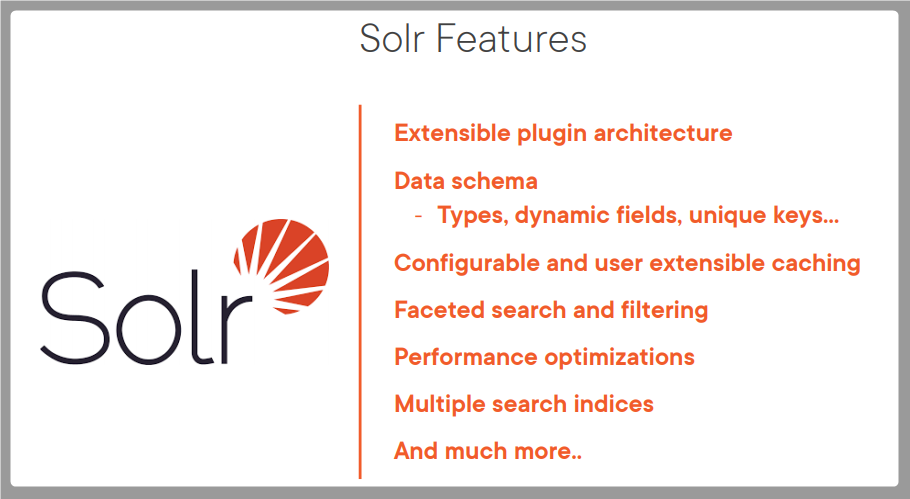
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**Purpose of a Search engine**

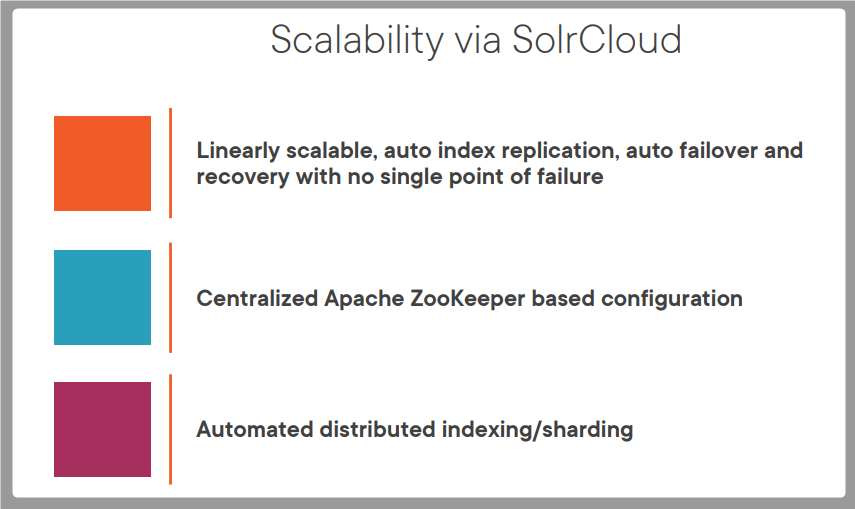
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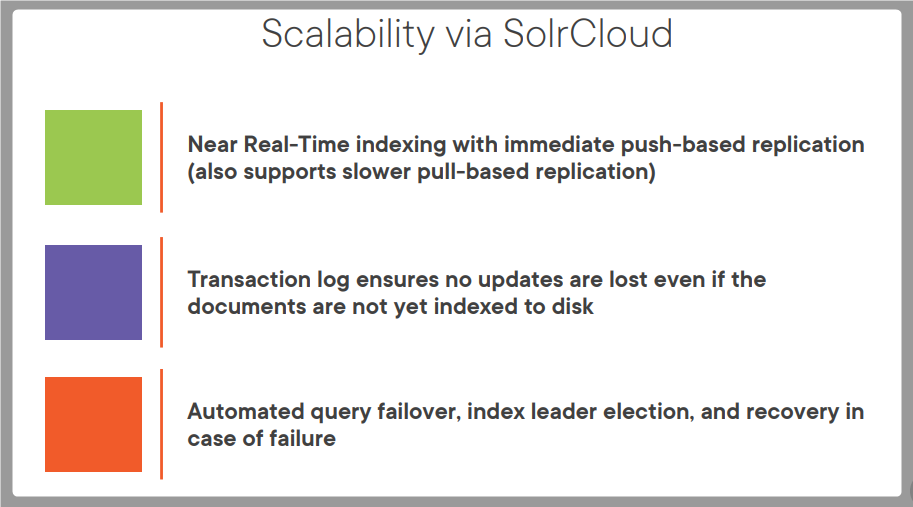
**Solr Features**

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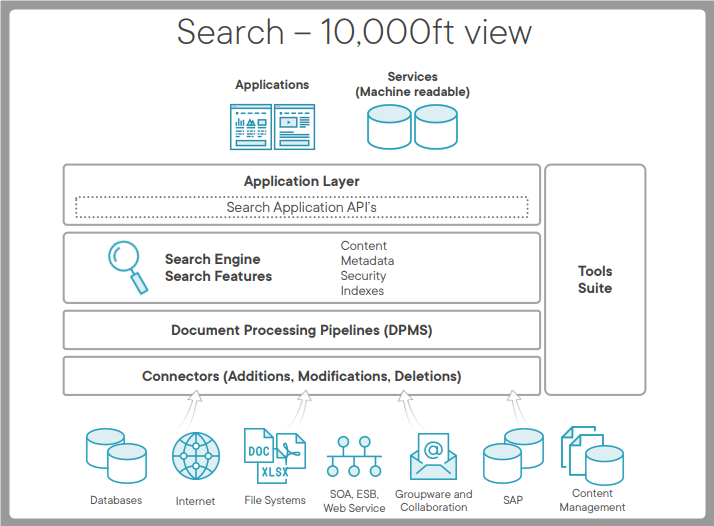
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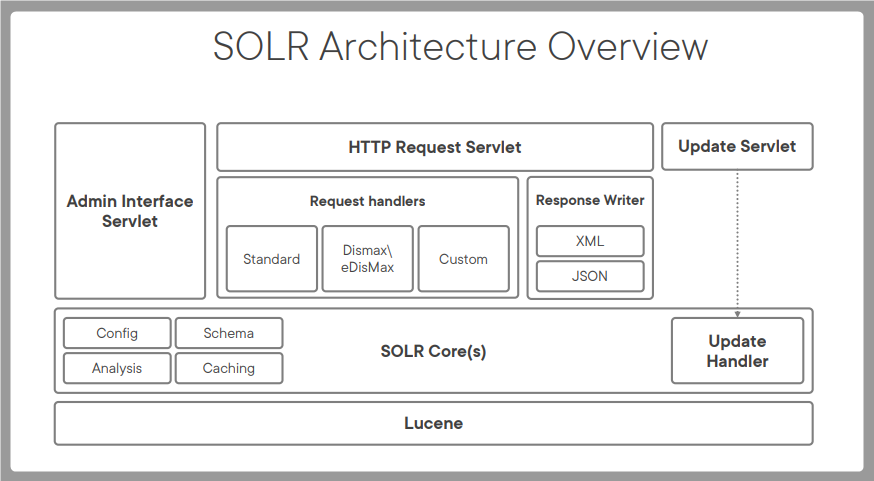
**Scalability via Solr Cloud**

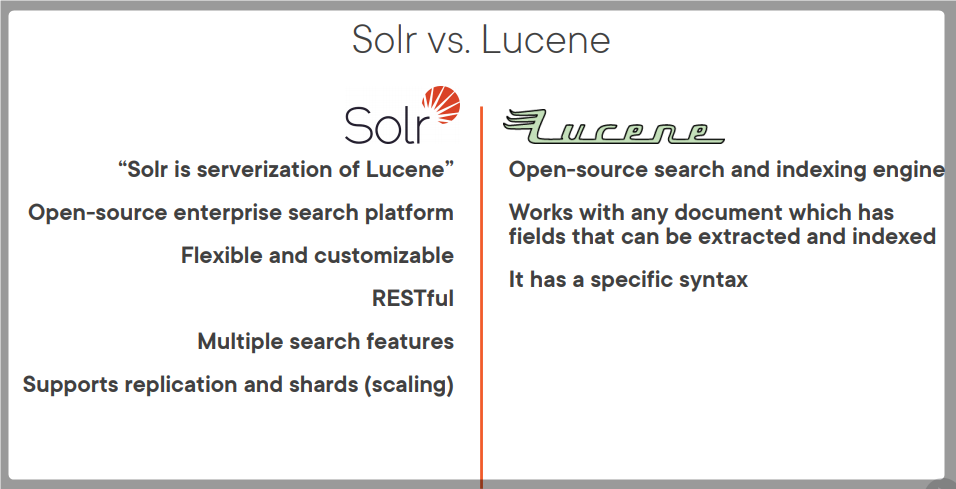
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**SOLR Architecture**

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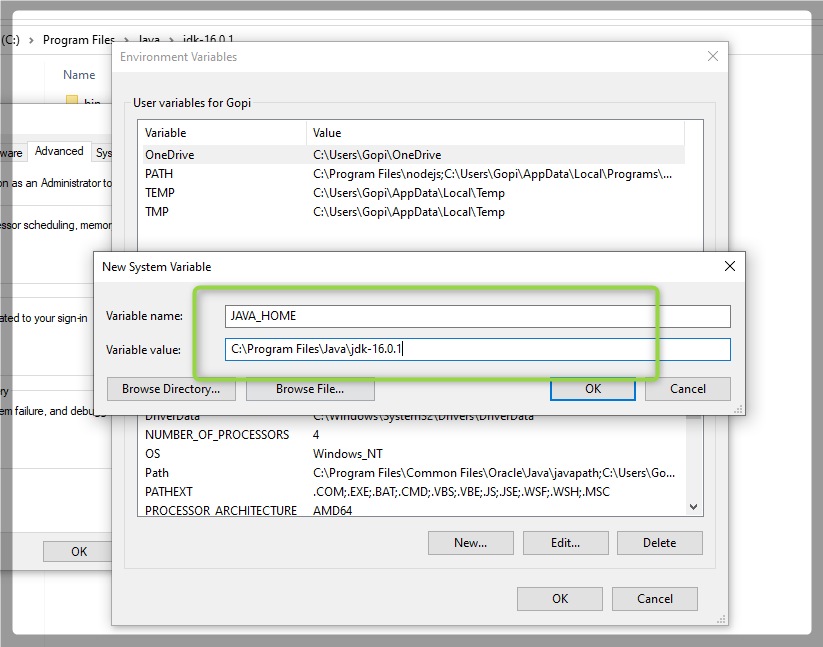
**Configuration**

**Download Solr from here** [**https://solr.apache.org/**](https://solr.apache.org/)

**Use this Reference** [**https://solr.apache.org/guide/**](https://solr.apache.org/guide/)

**Step 1: Installed Java Runtime from** [**https://www.oracle.com/java/technologies/javase-downloads.html**](https://www.oracle.com/java/technologies/javase-downloads.html)

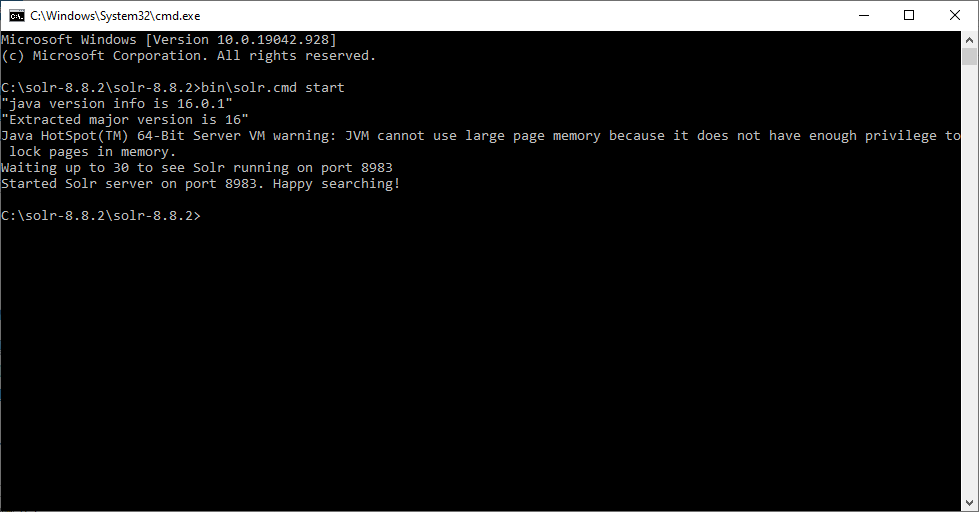
**Step 2: Set JAVA\_HOME environment variable.**

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**Step 3: Unzip the Solr file after download and copy the complete folder to C:/ drive**

**Step 4: goto cmd prompt and change directory to solr directory as specified in screenshot.**

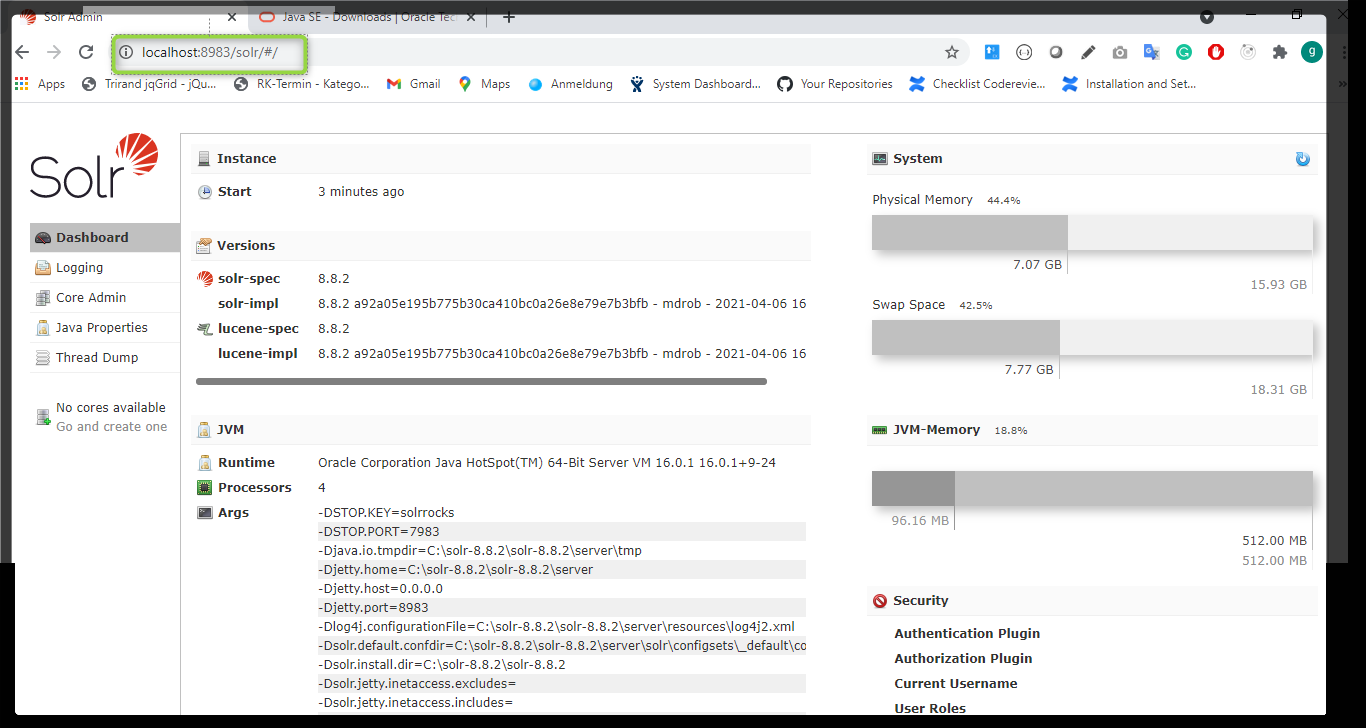
**Command : bin\solr.cmd start**

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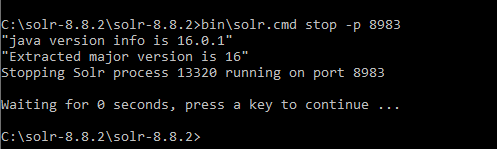
**As specified in the screenshot open browser and type this url**

[**http://localhost:8983/solr**](http://localhost:8983/solr)

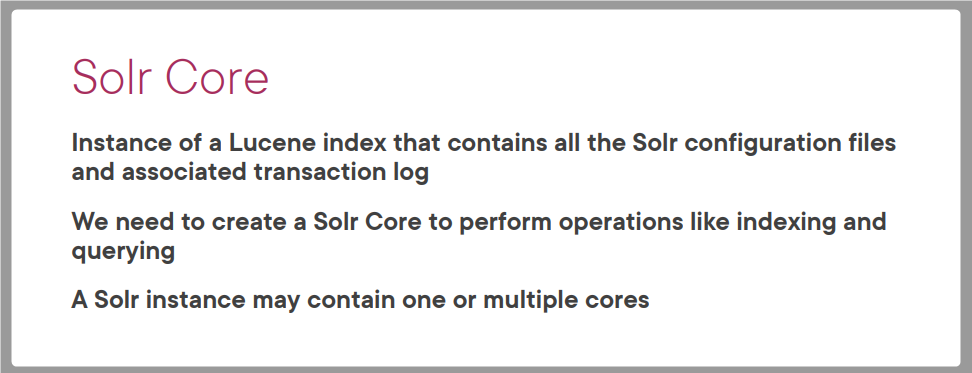
**You can see a Solr Admin panel**

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**Command : bin\solr.cmd stop –p \*\*\*\***

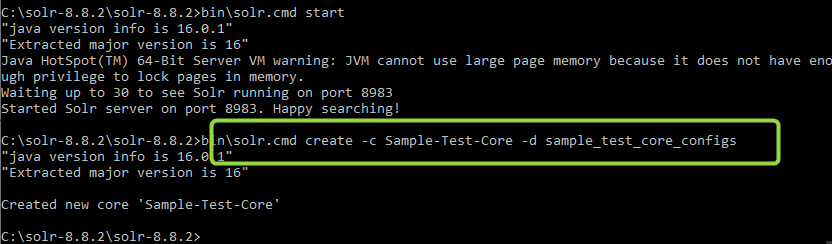
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**Solr Core**

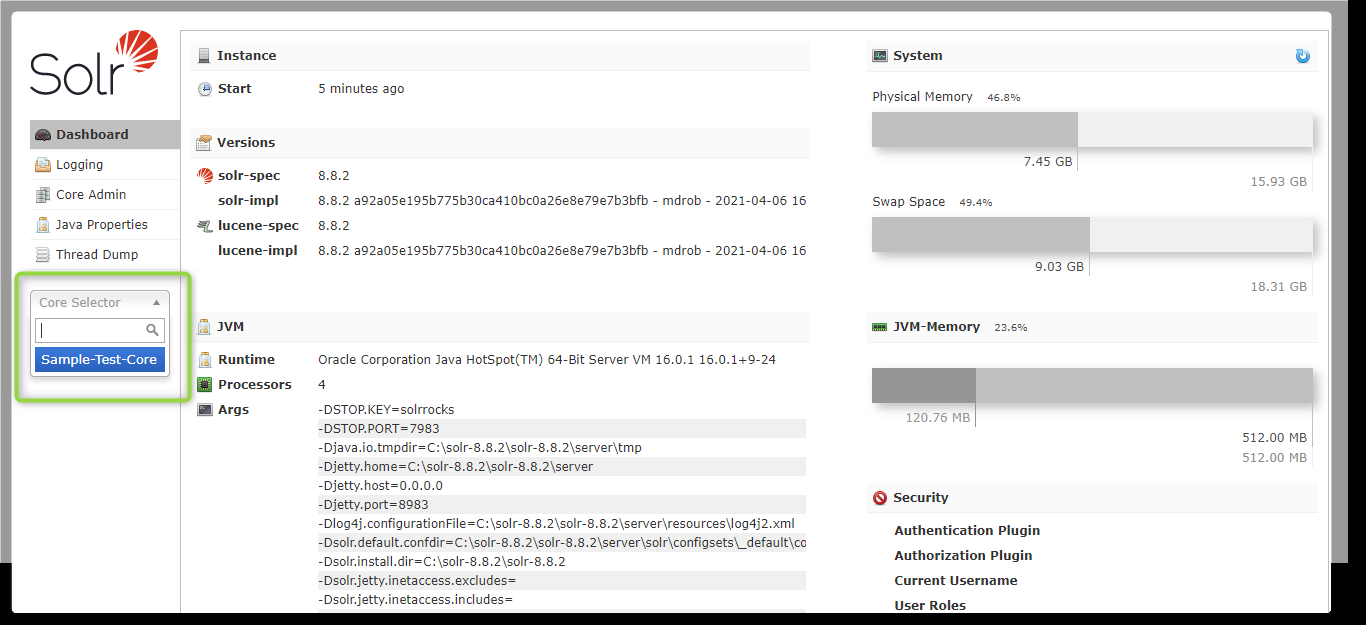
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**Command:**

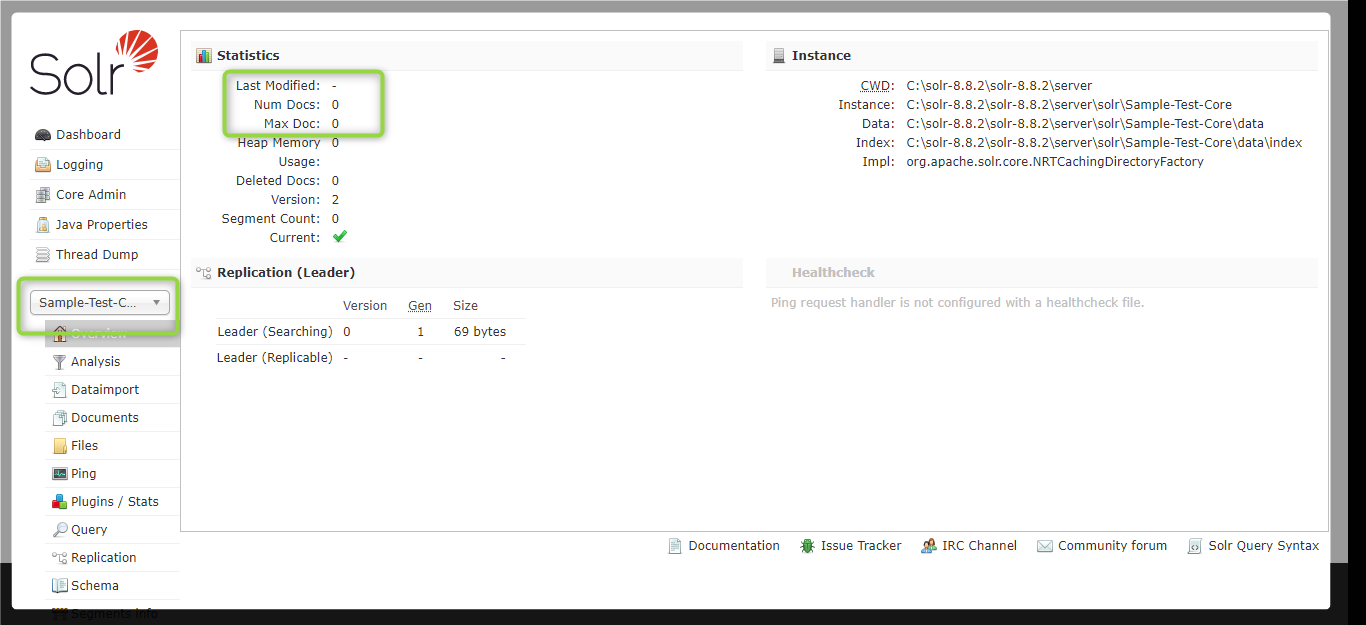
**bin\solr.cmd create -c Sample-Test-Core -d sample\_test\_core\_configs**

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**Now you can see a Solr Core for indexing.**



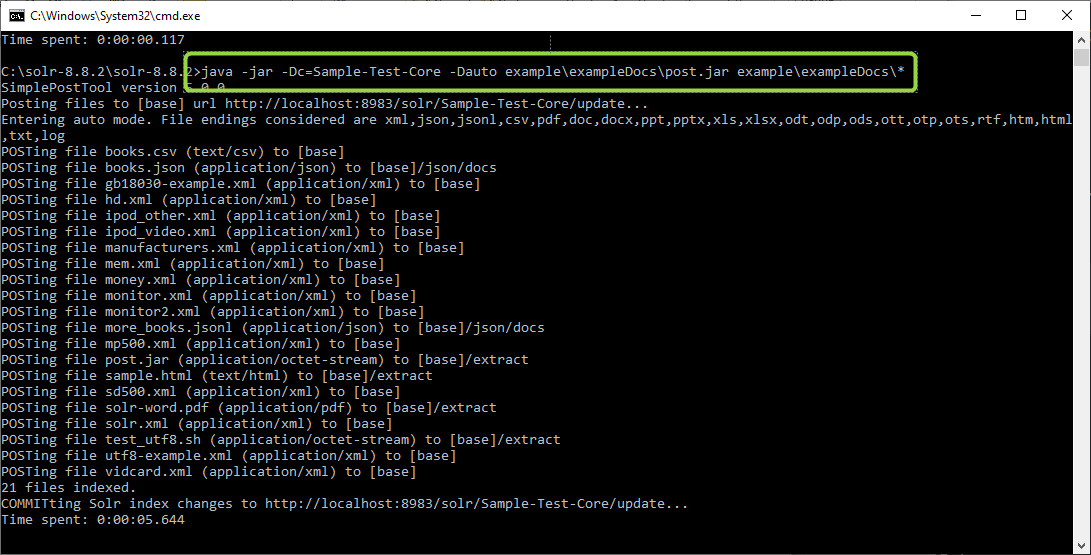
No Documents were found on newly created SolrCore.



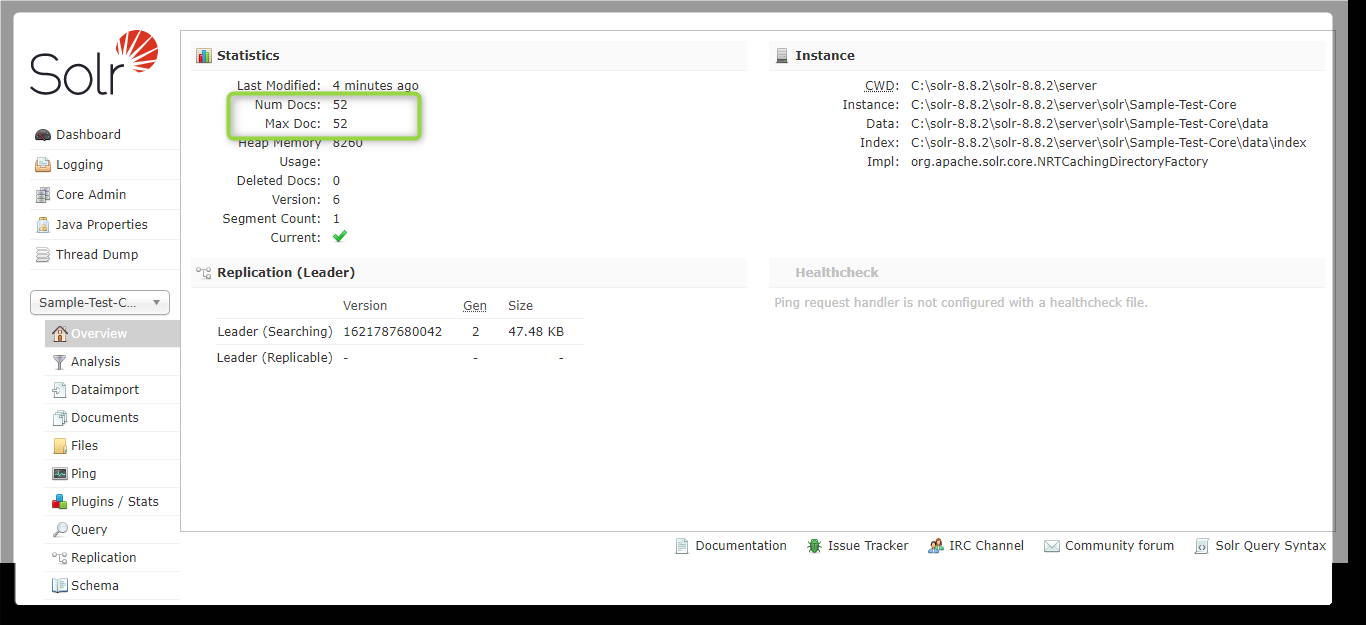
Import data to the Core

**Command**

**java -jar -Dc=Sample-Test-Core -Dauto example\exampleDocs\post.jar example\exampleDocs\\***

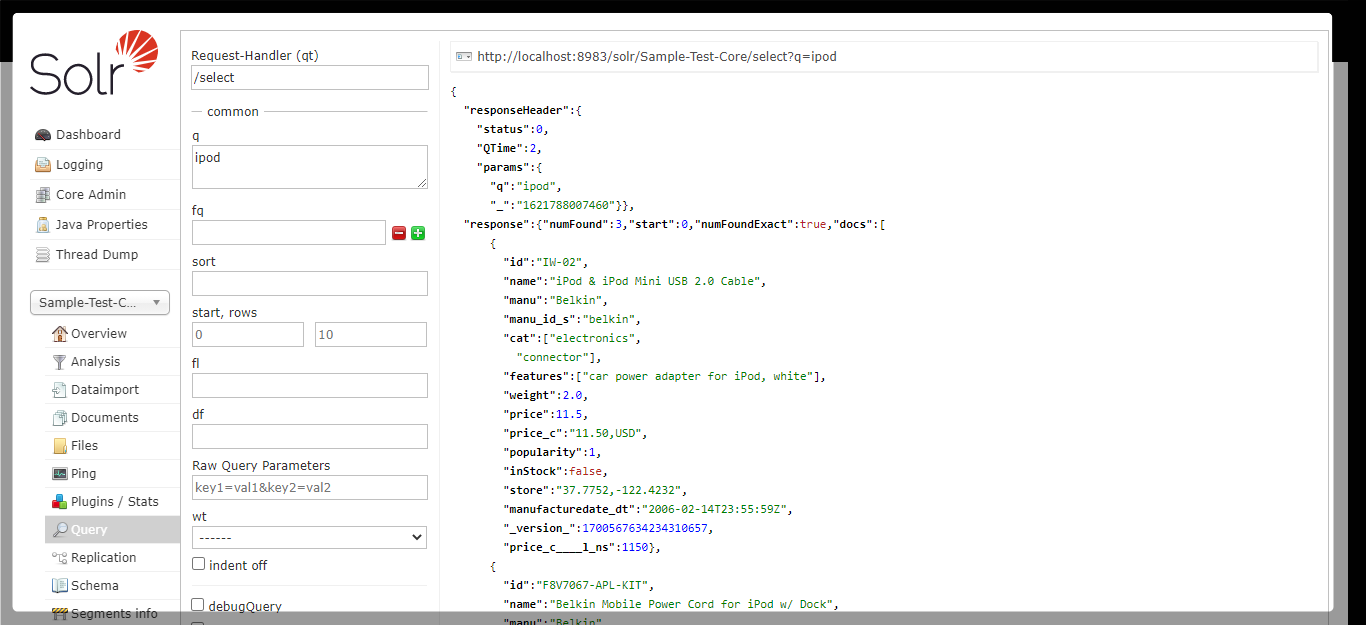
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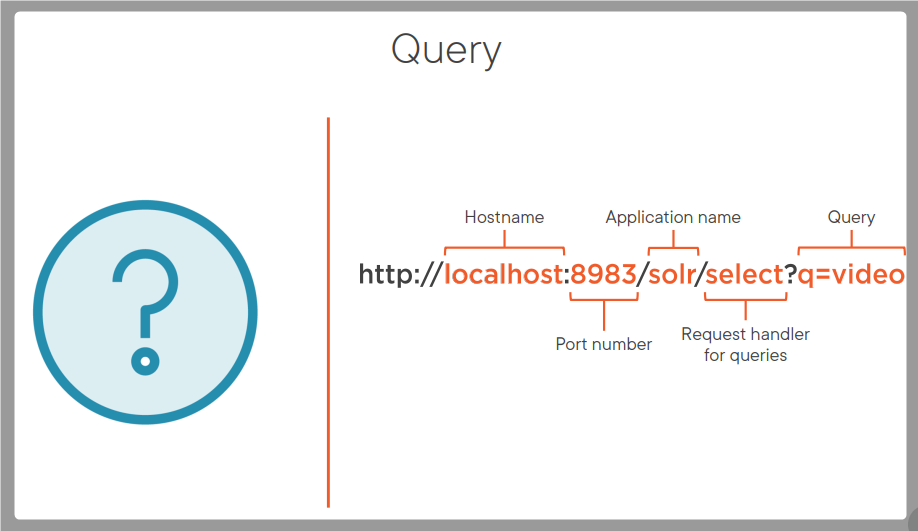
**Documents are available for searching now.**

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**Now User can query the data as follows.**

[**http://localhost:8983/solr/Sample-Test-Core/select?q=ipod**](http://localhost:8983/solr/Sample-Test-Core/select?q=ipod)

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