

Install ASTA Online on Windows by Zip Package

Hardware requirements

- **Memory:** At least 8 GB recommended
- **CPU:** Should be a modern processor with multiple cores
- **DISK:** At least 30 GB for base and the rest depends on the volume of your data. The rough estimate is that it will take about 2 GB disk space for every million of archive units. So if there is 2 millions of data then $30 + (2 * 2) = 34$ GB should be enough

It is highly recommended to install Elasticsearch on a separate machine. For detail info about Elasticsearch hardware requirements see <https://www.elastic.co/guide/en/elasticsearch/guide/current/hardware.html>

OS requirements

- Microsoft Windows Server 2008 R2 and later
- Microsoft Windows 7 and later.

Asta requirements

At least Asta v5.4.3 is required.

Install Java

If not already installed need to download and install a Java SE Runtime Environment (JRE). At least Java 8 is needed.

You can download and install Java following https://java.com/en/download/help/windows_manual_download.xml

Install Elasticsearch

Elasticsearch v6.7 can be installed by following <https://www.elastic.co/guide/en/elasticsearch/reference/6.7/windows.html>

Now we need to change the elasticsearch cluster name. For doing that open `/path/to/elasticsearch/config/folder/elasticsearch.yml` and change the following

Uncomment `cluster.name` and set it to `astaonline`

- `cluster.name: astaonline`

Install ASTA Online

Download the package from https://asta-online.s3.eu-north-1.amazonaws.com/installer_zip

- We will install the application in the `C:\Program Files\AstaOnline` directory. Create the directory first.
- Then change to the directory and extract the `astaonline_version.zip` file there.
- After that copy the elasticsearch `dialect_synonym` file to elasticsearch config directory. For `.msi` installation it should be `C:\ProgramData\Elastic\Elasticsearch\config`
- Let's fix the application properties now. Open the `C:\Program Files\AstaOnline\application_prod.properties` and change to the appropriate values. Like

C:\Program Files\AstaOnline\application-prod.properties

```
asta.origin=http://localhost:8088
asta.institute.id=asta
asta.service.requisition.enabled=true
oracle.host=localhost
oracle.port=1521
oracle.service=xe
oracle.username=
oracle.password=
es.host=localhost
server.ssl.enabled=false
server.ssl.key-store-type=JKS
server.ssl.key-store=path/to/key/file
server.ssl.key-store-password=
server.ssl.key-alias=
```

Open CMD and run the aosync application by invoking

- C:\Program Files\AstaOnline\aosync.bat

Then run the astaonline application by invoking

- C:\Program Files\AstaOnline\astaonline.bat

Open http://your_server_host:9090 in the browser to start using ASTA Online.

Export to Elasticsearch

Although not necessary but it is recommended to stop the aosync application while doing this. Then invoke

- C:\Program Files\AstaOnline\aoexport.bat

After the export is finished start the aosync application again if you have stopped it.

Depending on the amount of data this process may take several hours to complete. It may also hamper the performance of ASTA Online as well as ASTA Engine/Client.

Alias of Elasticsearch

If you have not restarted aosync application after export necessary elasticsearch aliases are not created. In order to create them invoke

- C:\Program Files\AstaOnline\aoesalias.bat

Necessary Ports

- 9090 for accessing AstaOnline (can be changed by *server.port* property)
- 47632 for syncing with oracle (can be changed by *asta.listener.port* property)