

Recommendations API Installation

- General prerequisites
- Standard (and easy) setup

General prerequisites

- Java 7 or later
- Apache Cassandra 2.x.x
- Apache Solr >= 4.7.0
- Credentials to our Nexus publishing repos

Standard (and easy) setup

This guide is the bare minimum which needs to be done in order to setup a working system. Scalability and high availability are addressed separately.

1. Install and run Cassandra as usual
2. Install Solr 4.7.0 or later
 - a. In your `solr.solr.home` directory create a new directory named `recommend` and unpack the contents of `recommendation-solr-core-1.x.y-bin.zip` there.
 - b. Add Java system property `cassandra.host` to a comma-separated list of hosts running Cassandra set-up in step 1. For example, if Cassandra is running on 192.168.1.1 then add `-Dcassandra.host=192.168.1.1` to the Java command starting Solr
 - c. Start Solr
3. Deploy `recommendations-web.war` to application container of your choice, we usually use [Apache Tomcat](#). Some Java system properties need to be set on the container (in the case of Tomcat, they should go in `bin/setenv.sh` or `bin/setenv.bat` depending on your platform):
 - `-Dcom.ontotext.recommend.solr=http://<solrhost>:<solrport>/<solrpath>/recommend` where `solrhost` and `solrport` point to the box running Solr set up in step 2.; and `solrpath` is the Solr web app name, usually just `solr`.
 - `-Dcassandra.host=<cassandra-host>`, same as in the Solr setup
 - (optional) `-Ddocumentation.services.basePath=http://<this-host>:<this-port>/<this-app>` - if you'd like to see Swagger documentation, you need to set this to the `host:port/webapp` of the container running `recommendations-web.war`. This won't be needed for future versions of recommendations.