

Apache Jena Fuseki Installation Guide (Windows & macOS)

This guide helps you install and run Apache Jena Fuseki on both Windows and macOS systems. Fuseki is a SPARQL server that lets you upload OWL/RDF files and run queries over them.

1. Download Apache Jena Fuseki

Visit the official Apache Jena website to download the latest Fuseki release:

<https://jena.apache.org/download/index.cgi>

2. Installation on macOS

Follow these steps to install and run Fuseki on macOS:

- - Download and extract the ZIP file from the website(BINARY Distributions version)
- - Open Terminal.
- - Navigate to the extracted folder. For example:
 - `cd ~/Downloads/apache-jena-fuseki-5.4.0`
- - Start the server using the following command:
 - `./fuseki-server`

- Open your browser and go to: <http://localhost:3030>

3. Installation on Windows

Steps to install and run Fuseki on Windows:

- - Download and extract the ZIP file from the website.(Binary distribution version)
- - Open Command Prompt (cmd).
- - Navigate to the folder using the command (adjust path if needed):
 - `cd C:\Users\YourUsername\Downloads\apache-jena-fuseki-5.4.0`
- - Start the server using:
 - `fuseki-server.bat`

- Then open your browser and visit: <http://localhost:3030>

4. Upload OWL File to Fuseki

- - Click on 'Manage Datasets' > 'Add new dataset'
- - Choose 'Persistent (TDB2)' and name your dataset.

- - Click on your dataset and go to the 'Add Data' tab
- - Upload your .owl file
- - Go to 'Query' tab and start running SPARQL queries