

# Tutorial for setting up AIDA35K

## Downloads

Software GraphDB: <https://www.ontotext.com/products/graphdb/graphdb-free/> (Requires email address)

Dataset AIDA35K: <http://aida.kmi.open.ac.uk/aida35k/downloads/aida35k.ttl.zip>

## Step 1:

Install (Requires Java) and run GraphDB. **Don't worry if it takes some time. The software is big and needs time to launch. It might take around one minute.**

Once launched, it will open the browser to the page <http://localhost:7200>

## Step 2:

Unzip the AIDA dataset.

## Step 3:

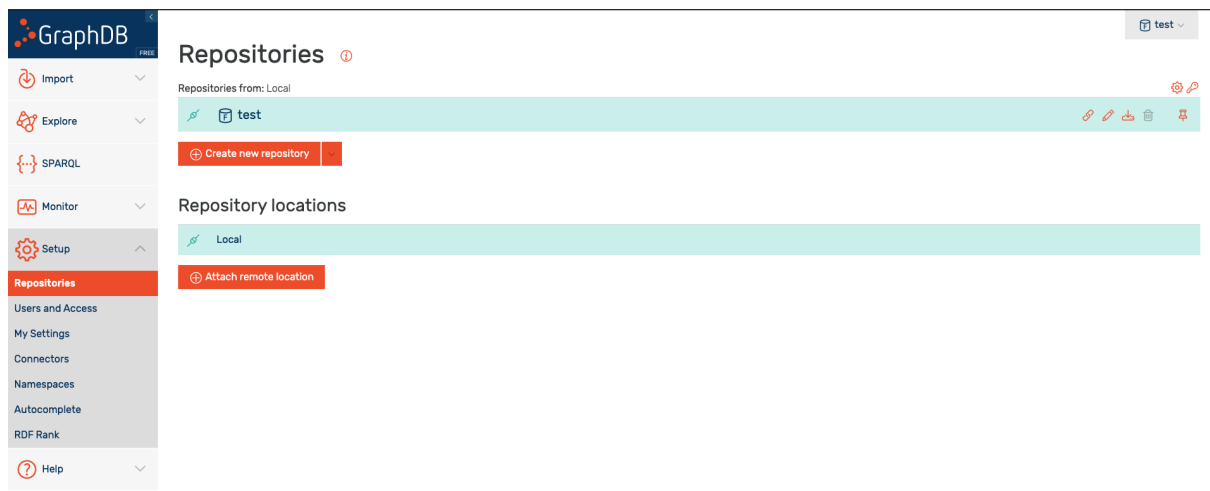
### Interface

The screenshot shows the GraphDB web interface. On the left is a sidebar with navigation links: Import, Explore, SPARQL, Monitor, Setup, and Help. The main area is titled 'View resource' and contains a search bar for RDF resources. Below this, the 'Active repository' section shows details for a local repository named 'test', including statement counts (70 total, 0 explicit, 70 inferred) and expansion ratio. To the right, the 'Saved SPARQL queries' section provides options to add, clear, or remove statements, and a SPARQL select template. At the bottom, the 'License' section displays the 'GraphDB Free Edition' license terms, including a table with columns for 'Licensed to', 'Valid until', 'Number of cores', and 'Maintenance date'.

Licensed to	Valid until	Number of cores	Maintenance date
Freeware	Perpetual	Unlimited	Perpetual

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Create Repository by going to Setup > Repositories

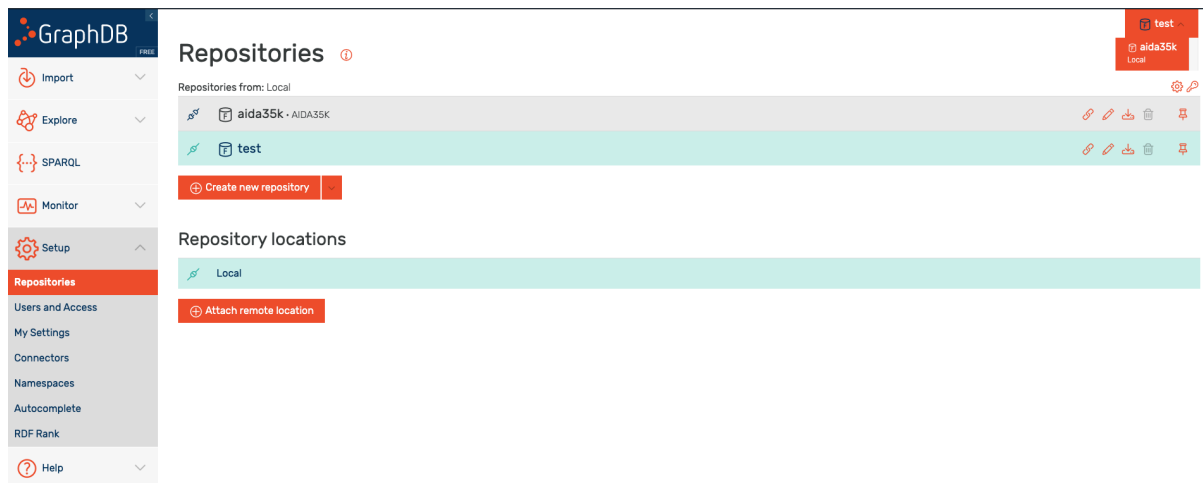


Click on Create new repository.

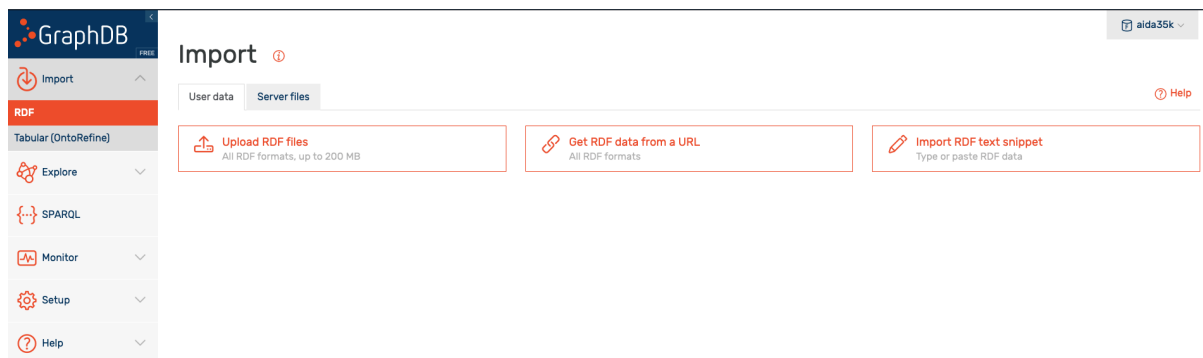
The screenshot shows the 'Create Repository' page in GraphDB. The sidebar is identical to the previous screenshot, with 'Repositories' highlighted. The main content area is titled 'Create Repository' and contains a form for 'Repository properties'. The form fields are: Repository ID\* (filled with 'aida35k'), Repository title (empty), Type (dropdown menu showing 'GRAPHDB-FREE'), Storage folder (filled with 'storage'), Ruleset (dropdown menu showing 'RDFS-Plus (Optimized)' with an 'Upload custom ruleset' button), Base URL (filled with 'http://example.org/owlim#'), Entity index size (filled with '10000000'), Entity ID bit-size (dropdown menu showing '32'), and Query time-out (seconds) (filled with '0'). There are also several checkboxes: 'Disable owl:sameAs' (checked), 'Use predicate indices' (checked), 'Cache literal language tags' (checked), 'Use context index' (unchecked), 'Enable literal index' (checked), 'Check for inconsistencies' (unchecked), 'Throw exception on query time-out' (unchecked), and 'Read-only' (unchecked).

The only required field is “Repository ID”. Type “aida35k”. Go down and press Create. **Don’t worry about the other parameters. They are for advanced customizations.**

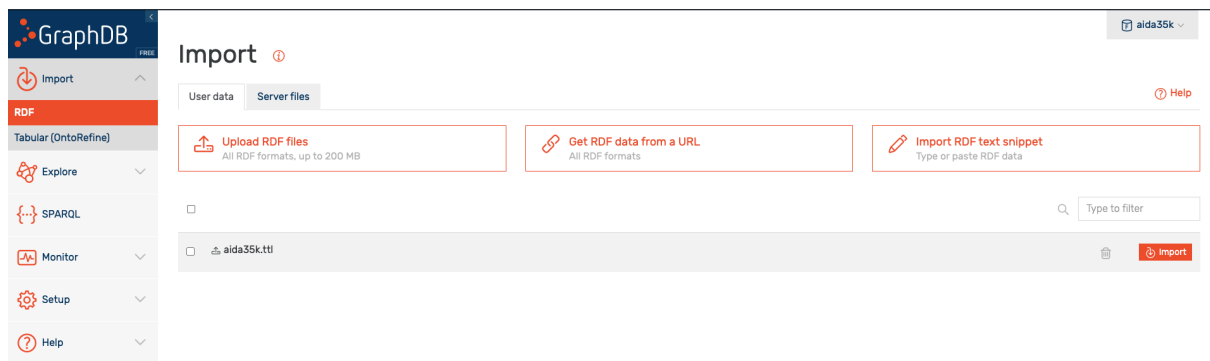
On the ribbon menu in the top-right of the page, select “aida35k”.



Go to Import > RDF, click on Upload RDF files.



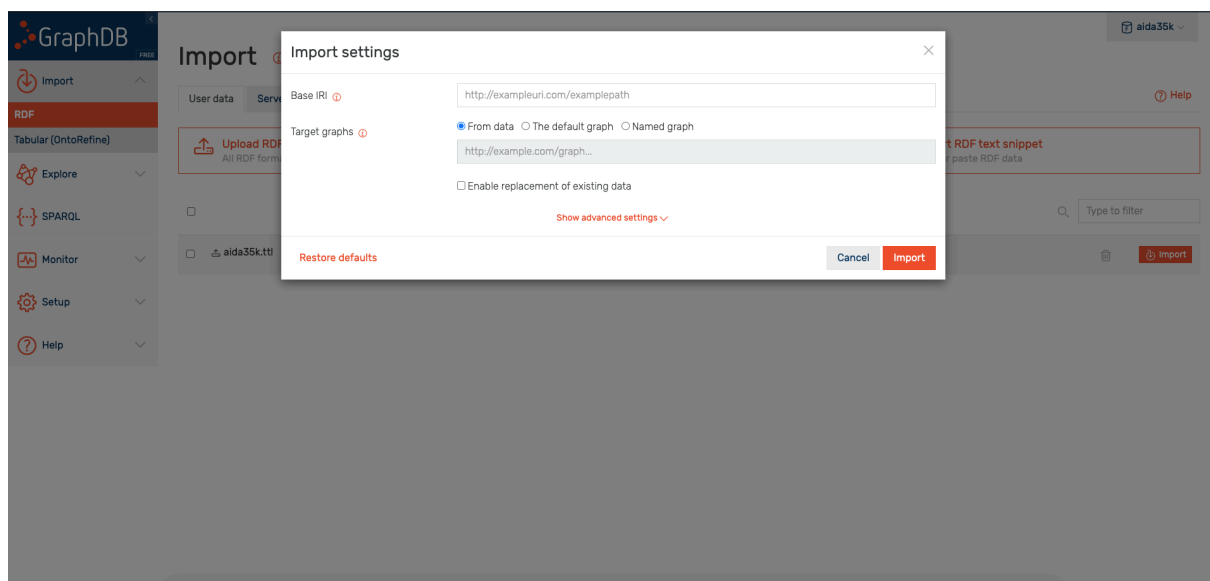
Select the “aida35k.ttl” file you unzipped in step 2.



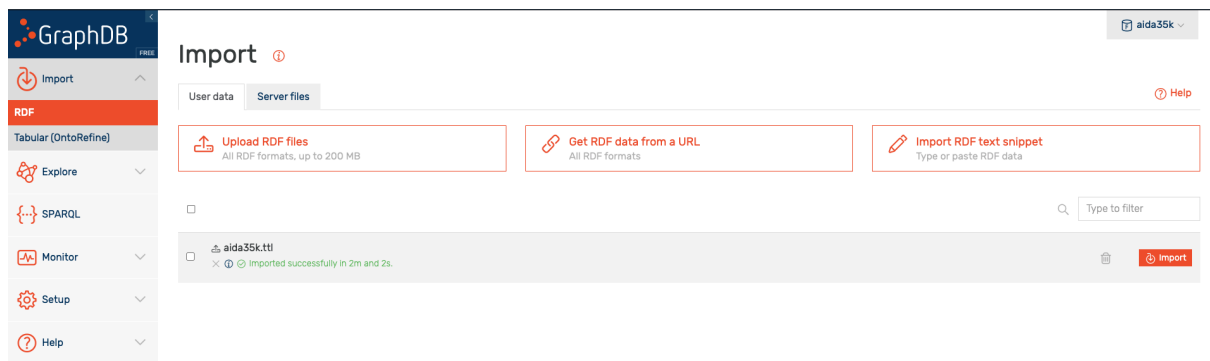
Now the file is in the lobby. Click on Import for importing it in the repository.

A new prompt menu will appear. Again, leave all fields empty. They are for advanced stuff.

Click Import, again.

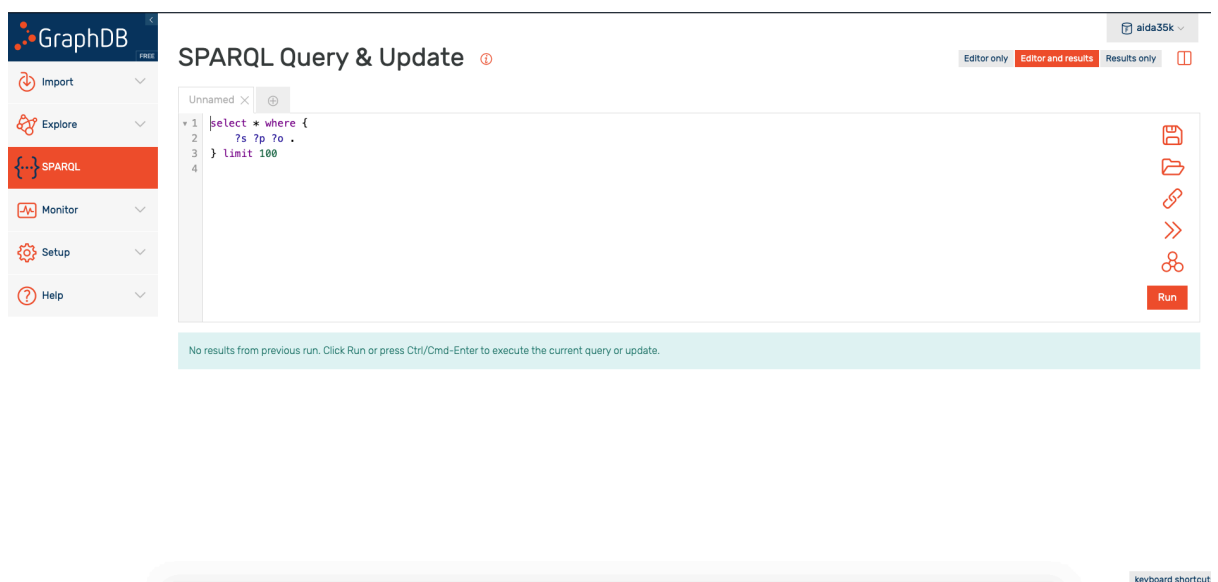


Have some rest. It will take around 2-5 min.



Now you are all set!! It's time to test it.

Go to SPARQL.



SPARQL QUERIES:

PREFIX aida35k: <http://aida.kmi.open.ac.uk/aida35k/resource/>  
 select \* where {  
     aida35k:p\_1566014926 ?p ?o .  
 } limit 100

PREFIX aida35kschema: <http://aida.kmi.open.ac.uk/aida35k/ontology#>  
 select \* where {  
     ?s aida35kschema:hasEntityType "paper" .  
 } limit 100  
 Enjoy.