

Querying Platform with VM Integration on Cloud

Project Details

Course Name: Cloud Computing

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Group Details

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Brief Description

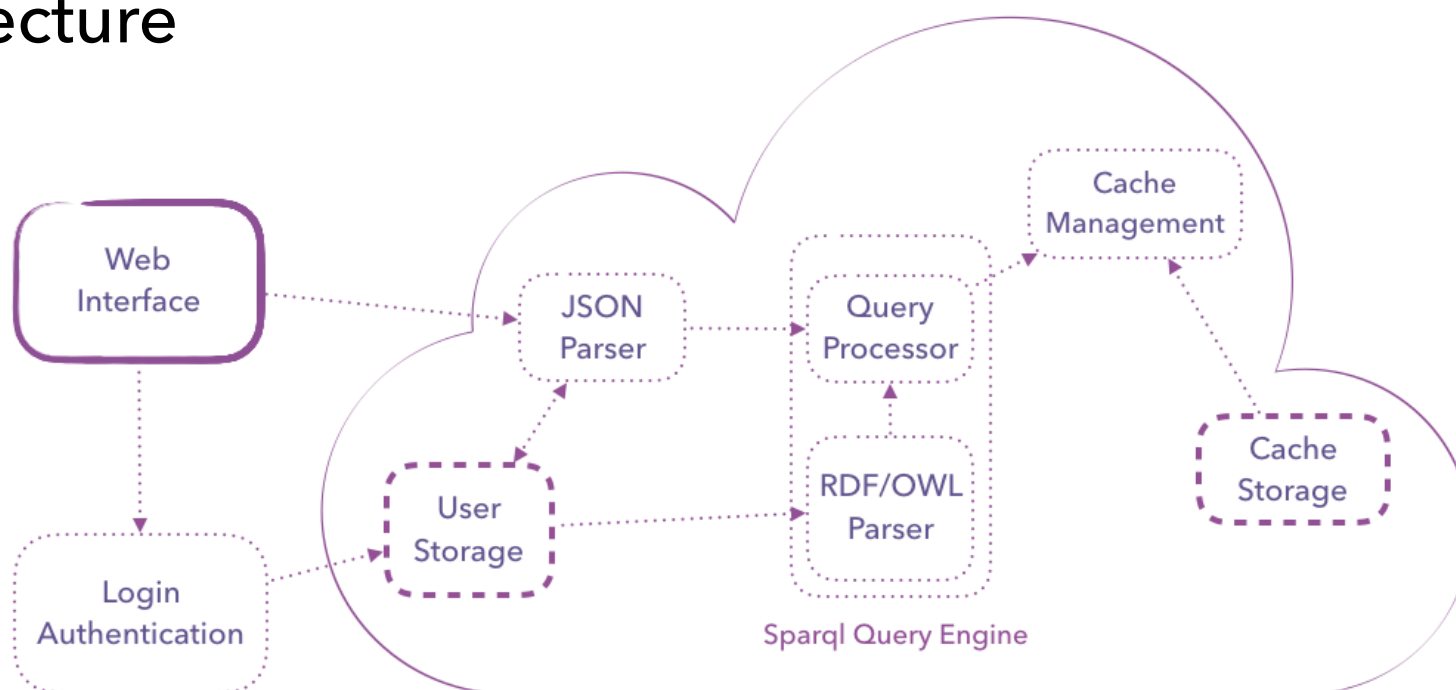
QpiC is a cloud based platform where users can upload their ontologies and run complex queries. **QpiC** not only provides users their own workspace to upload their ontologies and query files but also provides sample ontologies and queries to perform.

QpiC acts as a SaaS when user wants to query a particular ontology and view results and as IaaS when providing physical resources for computing querying and storing files for various users or providing Live Migration to handle Load balancing.

Salient Features

- Multi-Tenancy
- Caching Mechanism For Frequent Queries
- Live Migration Integration For Load Balancing
- Multiple Instances For One User
- Upload Your Own Ontology
- Manage Saved Queries

Architecture



QpiC's Interface

Log In

Username:

Password:

[New User?](#)

Instant Query
Query with Sparql Files
Import Files

Select Ontologies & Write Queries

Select an Ontology :

Input Query :

SELECT * WHERE {
?s ?p ?o
}
limit 10

Results to your Query

Selected File : pizza.owl

Answer to Query : s p o