


# What is the OpenLink Data Junction Box and why is it important?





*The OpenLink Data Junction Box (ODJB)  
is a high-performance and secure solution  
for configuring Data Meshes in the cloud  
that provide points of presence for  
sophisticated data access, integration,  
virtualization, and management.*



OPENLINK  
**DATA  
JUNCTION  
BOX**

## What Problem Does it Solve?

Even in 2021, Data Silos continue to impede full exploitation of the power that could be unleashed through open data access, integration, and management.

*Structural heterogeneity, protocol variety, access velocity, payload volumes, content veracity, governance, and **privacy*** continue to challenge the best efforts of both organizations and individuals pursuing data-driven digital transformation initiatives.

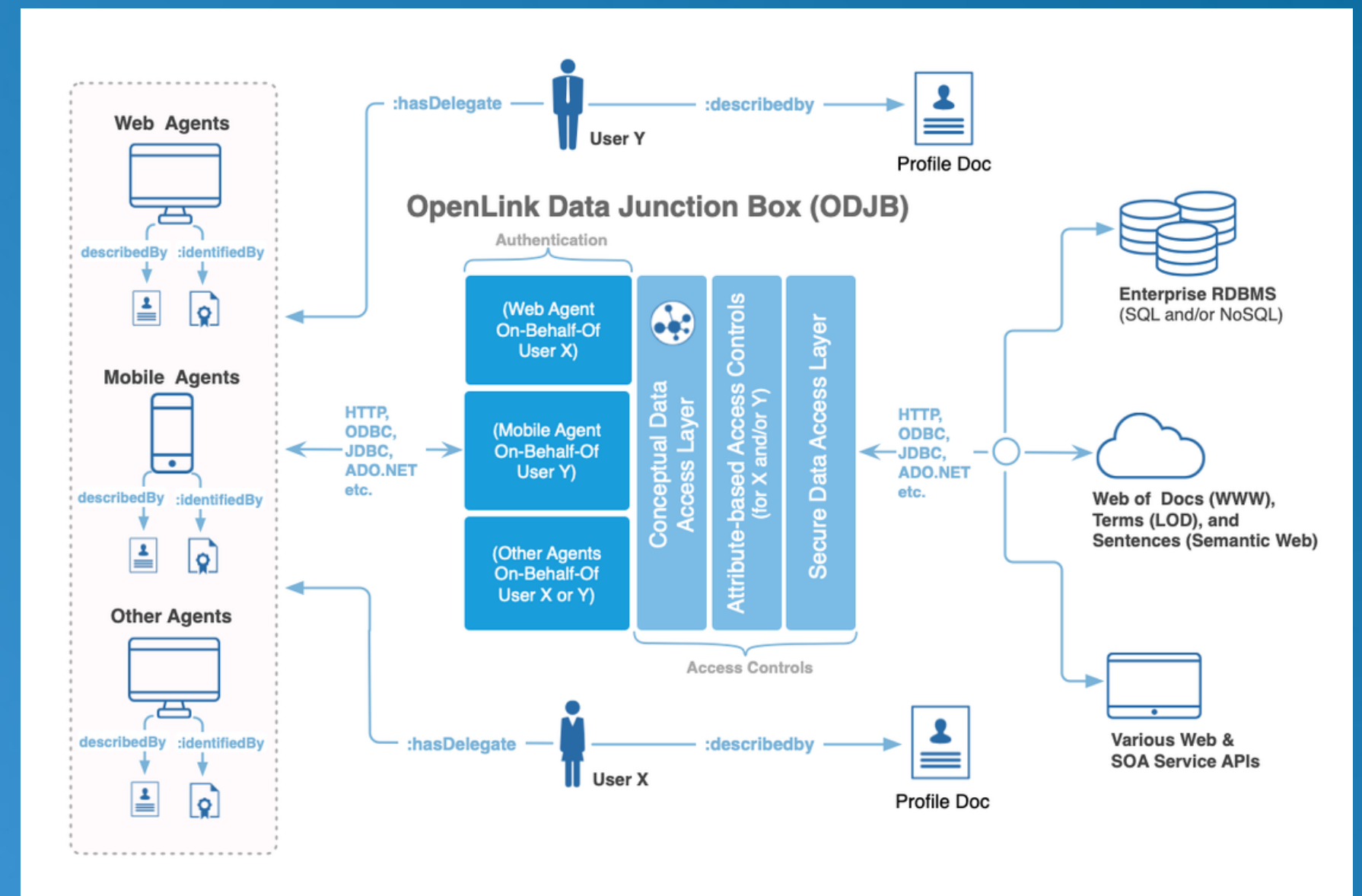





# What Solution Does It Offer?

A powerful fusion of key **Data Access, Integration, Virtualization, and Management Services** from across both our product portfolio and third-party sources.

*All are preconfigured for immediate use — no compilation or package management interaction is necessary!*



# Availability (1)



## OpenLink Data Junction Box

By: [OpenLink Software](#) Latest Version: OpenLink Data Junction Box 1.0.1

Cloud Hosted Pay-As-You-Go (PAGO) edition of the High-Performance, Scalable, and Secure OpenLink Data Junction Box (ODJB).

Linux/Unix

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Typical Total Price  
**\$0.535/hr**  
Total pricing per instance for services hosted on m4.large in US East (N. Virginia). [View Details](#)

[Overview](#) [Pricing](#) [Usage](#) [Support](#) [Reviews](#)

### Product Overview

Pre-configured OpenLink Data Junction Box Instance that provides an immediately accessible point-of-presence in the cloud for powerful data access, integration, and data management functionality, without compromising security or performance. This includes live Query Services endpoints for SQL, SPARQL, and GraphQL; Ready-To-Go High-Performance ODBC and JDBC Drivers for Virtuoso and other DBMS platforms; Python and Node.js runtime environments; and Secure Attribute-based Access Controls and Multi-Protocol Authentication Services (OpenID Connect + OAuth, TLS, NetID-TLS, and WebID-TLS).

#### Highlights

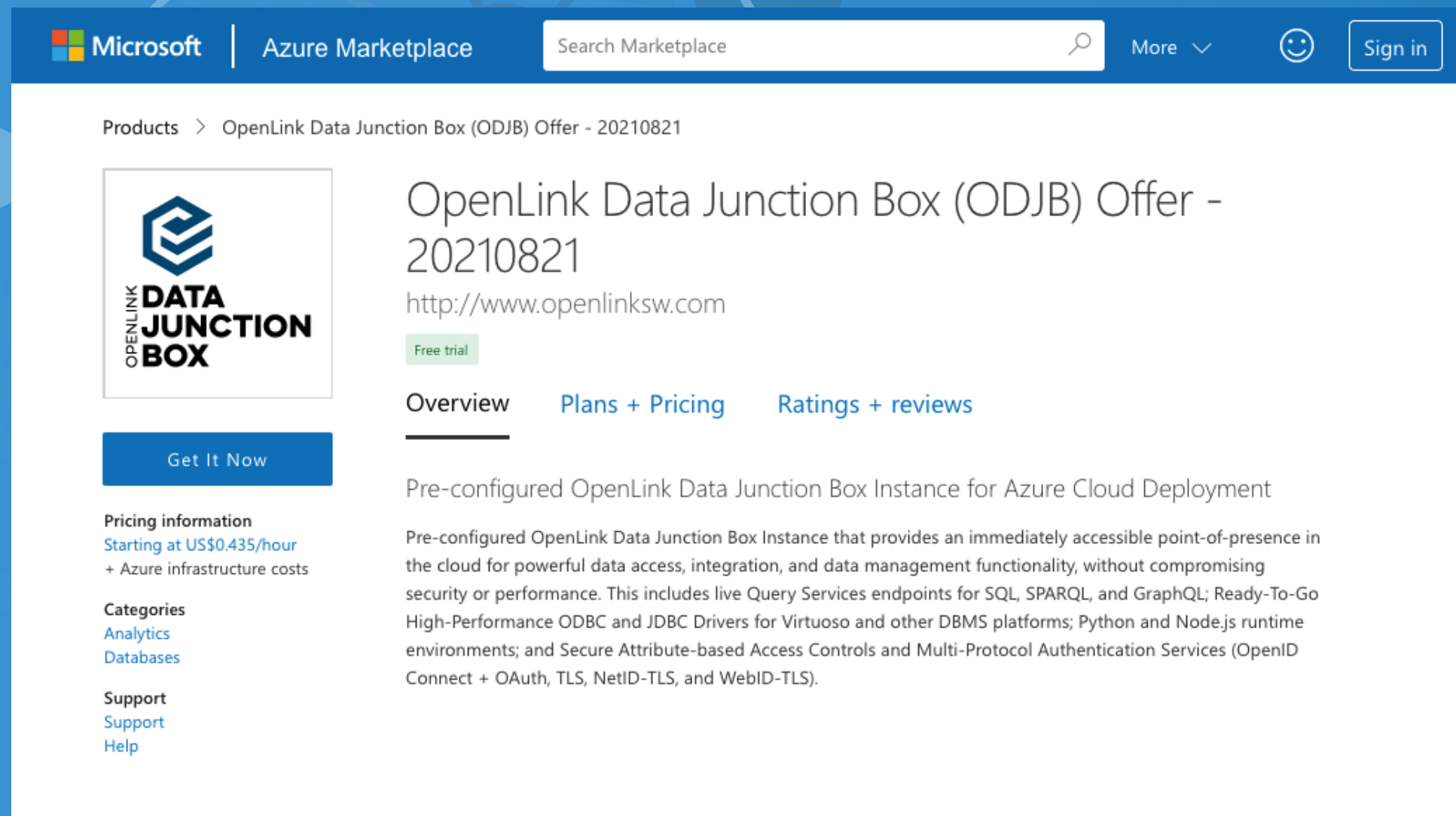
- Initialize and immediately start experiencing the power of data de-silo-fication across a variety of data sources and data formats
- Exploit the power of Hyperlinks as powerful Data Source Names for progressive Data Virtualization and Knowledge Graph generation, using a sophisticated Small Data rather than cumbersome Big Data approach

Version	OpenLink Data Junction Box 1.0.1
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Amazon AWS Cloud Hosted Pay-As-You-Go (PAGO) edition of the High-Performance, Scalable, and Secure OpenLink Data Junction Box (ODJB)




# Availability (2)



The screenshot shows the Azure Marketplace page for the OpenLink Data Junction Box (ODJB) Offer - 20210821. The page features the Microsoft logo, the Azure Marketplace search bar, and a 'Sign in' button. The product title is 'OpenLink Data Junction Box (ODJB) Offer - 20210821' with a URL 'http://www.openlinksw.com'. A 'Free trial' badge is visible. The 'Overview' tab is selected, showing a description of the pre-configured instance for Azure Cloud Deployment. The pricing information states 'Starting at US\$0.435/hour + Azure infrastructure costs'. The categories are 'Analytics' and 'Databases'. The support links are 'Support' and 'Help'.

Microsoft | Azure Marketplace Search Marketplace More Sign in

Products > OpenLink Data Junction Box (ODJB) Offer - 20210821

 OpenLink Data Junction Box (ODJB) Offer - 20210821  
<http://www.openlinksw.com>  
Free trial

[Overview](#) [Plans + Pricing](#) [Ratings + reviews](#)

Get It Now

**Pricing information**  
Starting at US\$0.435/hour  
+ Azure infrastructure costs

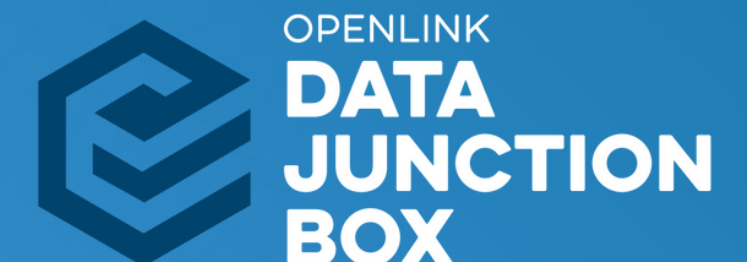
**Categories**  
[Analytics](#)  
[Databases](#)

**Support**  
[Support](#)  
[Help](#)

Pre-configured OpenLink Data Junction Box Instance for Azure Cloud Deployment

Pre-configured OpenLink Data Junction Box Instance that provides an immediately accessible point-of-presence in the cloud for powerful data access, integration, and data management functionality, without compromising security or performance. This includes live Query Services endpoints for SQL, SPARQL, and GraphQL; Ready-To-Go High-Performance ODBC and JDBC Drivers for Virtuoso and other DBMS platforms; Python and Node.js runtime environments; and Secure Attribute-based Access Controls and Multi-Protocol Authentication Services (OpenID Connect + OAuth, TLS, NetID-TLS, and WebID-TLS).

## Azure Cloud Hosted Pay-As-You-Go (PAGO) edition of the High-Performance, Scalable, and Secure OpenLink Data Junction Box (ODJB)



# How Do I Get Going?

1. Initialize an ODJB Virtual Machine in the AWS or Azure cloud
2. Log in using SSH
3. Run a single shell script to set up the host operating environment
4. Start using the various services via their pre-configured endpoints, usage scripts, or sample applications





## Pre-configured Services (1)

- **Virtuoso** (combined Multi-Model DBMS, Knowledge Graph, and Data Virtualization Platform) — supporting **SQL, SPARQL, HTTP, WebDAV, LDP, Solid**, and other protocols
- **Multi-Tier Edition ODBC and JDBC Drivers** — for enhanced Data Access Security using Attributed-based Access Controls
- **OpenLink Data Spaces (ODS)** — for powerful collaboration services covering **File Management, Bookmarking, Calendering, Email Inbox Management**, and more





## Pre-configured Services (2)

- **iODBC** and **UnixODBC** ODBC driver manager SDK and Runtimes
- **Node.js** — for **SQL**- and/or **SPARQL**-based apps & services written in **Javascript**
- **GraphQL** Middleware — for LOD Cloud Knowledge Graph access
- **Python** Runtime, **PyODBC**, and **SQLAlchemy** — for SQL and/or SPARQL based apps & services written in Python
- **Jupyter** — for Notebooks that leverage SQL and/or SPARQL for Data Access
- **GO** Language Runtime — for ODBC apps & services written using GO



## ADDITIONAL INFORMATION

- [Virtuoso Home Page](#)
- [Virtuoso Weblog](#)
- [Virtuoso Community Forum](#)
- [ODJB Installation & Usage Guide for Microsoft Azure Cloud](#)
- [ODJB Installation & Usage Guide for AWS Cloud](#)



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