DataDirect Hybrid Data Pipeline: Overview

The Progress® DataDirect® Hybrid Data Pipeline, or Data Pipeline for short, is a lightweight data access platform that provides simple, secure access to your cloud and on-premises data sources for your business intelligence tools and applications.

Flexibility and control are built-in – you install your own version of the Data Pipeline in the cloud or behind your own firewall, then configure the pipeline so it works with the data sources and applications in your specific business environment.

This video takes a brief look at the connectivity challenges created when a wide variety of data types and applications reside in different environments, then demonstrates how the Data Pipeline addresses those challenges.

As companies increasingly move business-critical information to the cloud, corporate data becomes scattered. Data may reside in big data frameworks, relational database management systems and NoSQL databases, in the cloud or behind a corporate firewall. Wherever your data resides, cybersecurity is essential, but it’s becoming more difficult as breaches, hacks and other data risks increase.

To analyze corporate data efficiently, many business applications are now available in the cloud as well as on-premises. And, those applications use a variety of ways to connect to, query and retrieve data, including standard SQL interfaces such as ODBC or JDBC and standard REST interfaces like OData.

If you attempted your own connectivity solution, you’d have to work with these complex variables on your own. First, you’d have to decide whether to use ODBC, JDBC, or OData, then connect your applications to each data source. And, you’d have to decide how to best transmit your data through your firewall and across the internet without risking data breaches or network security.

The Progress DataDirect Hybrid Data Pipeline takes care of these issues for you so you can focus on your business.

When installed behind your firewall, the Data Pipeline offers:

- A single interface to different types of data sources,
- Real-time access to that data, and
- A dependable, secure connection.

The Data Pipeline also

- Integrates with applications that use different standards,
- Installs in 30 minutes or less and
• Offers an easy upgrade path.

When installed in the cloud, the Data Pipeline provides the same capabilities. But, since accessing on-premises data from the cloud poses a security risk, the Data Pipeline includes an On-Premises Connector to ensure that your data remains secure as it travels across the internet and through your firewall.

If you are familiar with Progress DataDirect Cloud, the key differences between DataDirect Cloud and the Data Pipeline are control and location. DataDirect Cloud is a data access platform residing in the cloud and is managed by Progress.

The Data Pipeline, on the other hand, is the product you need if:
• You want to locate your data access platform behind your own firewall,
• You want to control your own data access platform, whether it’s in the cloud or on-premises,
• You cannot use the cloud service that Progress uses, or
• You cannot use a 3rd party provider because of legal concerns, regulatory requirements or government restrictions.

In this video, you’ve seen a quick overview of DataDirect Hybrid Data Pipeline and how it might suit your business needs. We invite you to learn how to use the DataDirect Hybrid Data Pipeline in your own environment by viewing the companion video describing deployment scenarios.

For additional information on the Data Pipeline, view the DataDirect Hybrid Data Pipeline playlist on our YouTube User Assistance channel, refer to our online help or explore the DataDirect Hybrid Data Pipeline Forum.

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