

Data API Management to Enable Analytics

Progress DataDirect offers Data API Management to unlock the value of your business applications and databases by empowering data engineers and data scientists focused on analytics. Get industry standard SQL (ODBC, JDBC) and REST (OData) API access directly to your data sources. These interoperable APIs provide frictionless data access for BI and analytical tools to consume your business-critical data.

What is Data API Management?

Data API Management provides API Management features to analytical professionals. In contrast, general API management platforms primarily provision APIs for application and process integration. As enterprises rapidly move towards open analytics, application level APIs are not good enough. Data engineers, data scientists and business analysts demand access to raw data via standard interoperable interfaces in order to perform complex analytics.

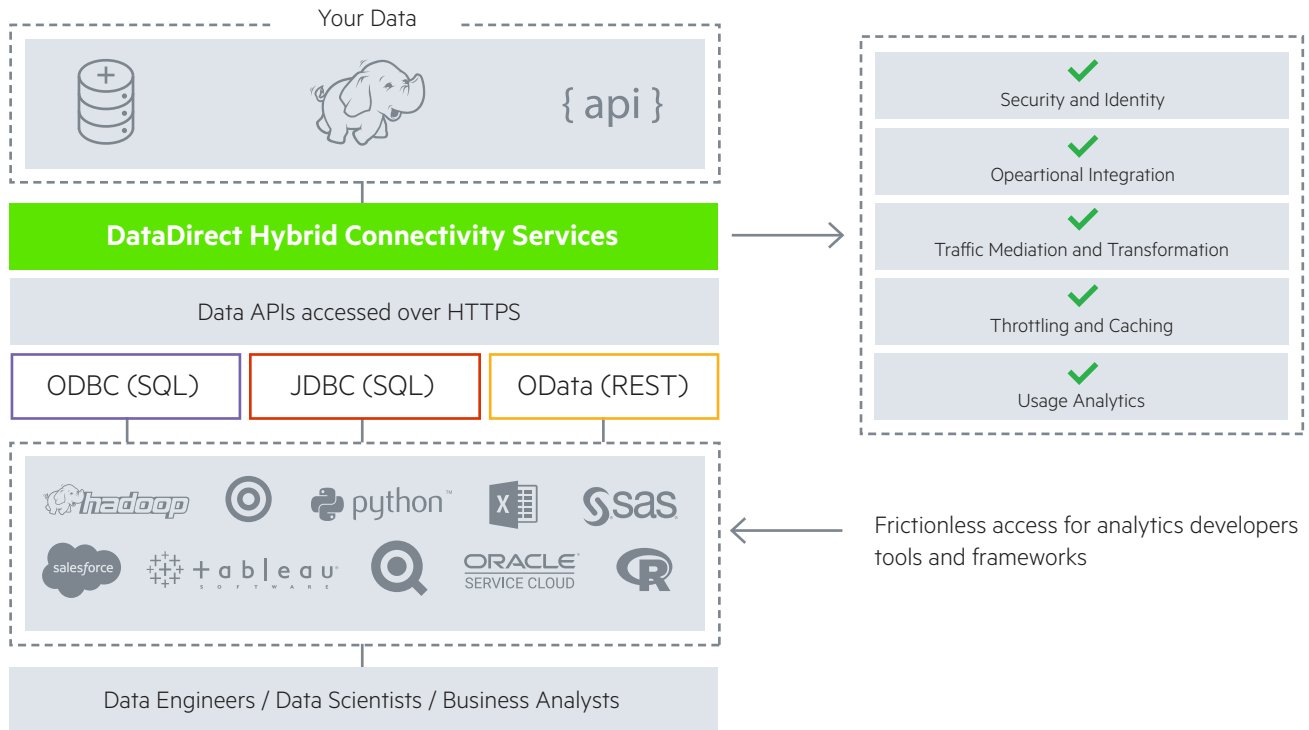
A Data API Management layer provides standard SQL (ODBC, JDBC) or REST (OData) interfaces to support the needs of this new technical data consumers. This is in part what is driving the trend around open analytics strategies to expose data APIs.

Data API Management

Capabilities of General API Management	Data API Management to Support Analytics
API Discovery	✓
API Security	✓
API Identity	✓
Traffic Mediation (SOAP to REST mediation, data format transformation, legacy application integration)	✓ Supports a mix of backend data stores of varying sizes and shapes including RDBMS, Analytics Databases, Big Data Platforms, NoSQL, SOAP APIs, REST APIs
Traffic Shaping (rate limitation, caching etc)	✓
Analytics & Traffic Monitoring	✓
API Metering, Billing and Monetization	✓
Data Protection (data encryption, data masking etc for PCI/PII compliance)	✓
Mobile Optimization (pagination, compression, JSON etc)	✓
Deployment Flexibility (on-premise, cloud, managed service, SaaS, hybrid)	✓ Deploy in the cloud or on-premises
Operational Integration (system monitoring, clustering, scalability, migration)	✓ Supports horizontal scaling of the Data APIs
Cloud Integration (SSO to SaaS providers, IaaS integration, SaaS data connectors, hybrid cloud support)	✓ Supports authentication mechanisms for integration with a variety of cloud data sources
API Orchestration	Data APIs expose data directly from the source without an orchestration layer
Uniform Interface/Proxy to Multiple Backend Messaging Protocols (JMS, RMI etc)	Data APIs interact directly with databases and other APIs, rather than messaging protocols
Community Management (blogs, forums, social features etc)	Data APIs conform to industry standard specifications for SQL (ODBC/JDBC) and REST (OData); and community management is handled externally and can vary by third-party consumer

How can we help you?

Progress DataDirect's Hybrid Connectivity Services are engineered for data API management to connect analytics professionals with popular tools and programming frameworks.



Flexible Deployment Options

1

Self-Host it in your cloud (DataDirect Hybrid Data Pipeline)

Hybrid Data Pipeline can be embedded into your cloud. Manage your security as you like and comply with any data or government security regulations.

2

Progress can host it for you (DataDirect Cloud)

DataDirect Cloud is our award-winning hybrid connectivity service running in Amazon Web Services. You don't have to set up your own servers or deal with frequent upgrades.

Learn more at: www.progress.com/open-analytics

About Progress DataDirect

Progress® DataDirect® delivers powerful data connectivity for applications running on-premises or in the cloud. Get connected to the vast data landscape using a single standard interface with SQL or REST. DataDirect connectivity solutions support the full range of relational, cloud, NoSQL and Big Data sources across trusted industry standards, including ODBC, JDBC, ADO, NET and OData (REST). Learn more at www.progress.com/datadirect-connectors

Recent Awards



Winner
"Best use of Tech – Big Data award"



Winner
"Best Cloud Integration"



Winner
"Software - Big Data"



Winner
"Companies that Matter Most in Data"

About Progress

Progress (NASDAQ: PRGS) offers the leading platform for developing and deploying mission-critical business applications. Progress empowers enterprises and ISVs to build and deliver cognitive-first applications, that harness big data to derive business insights and competitive advantage. Progress offers leading technologies for easily building powerful user interfaces across any type of device, a reliable, scalable and secure backend platform to deploy modern applications, leading data connectivity to all sources, and award-winning predictive analytics that brings the power of machine learning to any organization. Over 1,700 independent software vendors, 80,000 enterprise customers, and 2 million developers rely on Progress to power their applications. Learn about Progress at www.progress.com or +1-800-477-6473.

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