Server API (SAPI) for developers

The Server API (SAPI) offers a powerful way to access the same high-quality data available on the Bloomberg Terminal®.

Opportunity demands action

Financial professionals rely on the Bloomberg Terminal® for real-time data, news and analytics to make smart decisions faster. To take advantage of the same high-quality data in proprietary and third-party applications, users need access to consistent data through a reliable API. This data is a vital input for applications across a wide range of functions, including trade and order management, risk, compliance, portfolio management and analytics.

Centralized access to critical data

Server API enables registered third-party vendors or proprietary applications to access Bloomberg data from a centralized location via dedicated connection to a Server API process. Technology teams can take advantage of a common data model, schemas and API to access programmatically various datasets and analytical functions.

Flexible development tools

To work efficiently in today's technology-driven financial institutions, development teams need flexible access to good documentation and high-quality support. The Bloomberg Server API (SAPI) was designed with developers in mind. The Software Development Kit for SAPI gives developers access to data interfaces in multiple programming languages (C++, .NET Framework, VBA via COM Data Control, Java, Python), making it easy to integrate with downstream server applications.

Server API delivery options

On-premise
Depending on the SAPI product selected, firms have the option of having the Server API process reside on a fully managed Bloomberg Appliance or on a firm-managed dedicated host server. The Bloomberg Appliance is a high-performance server that hosts the Server API process. It enables all data distribution to and integration with client applications. Bloomberg manages the hardware, upgrades, monitoring and support remotely.
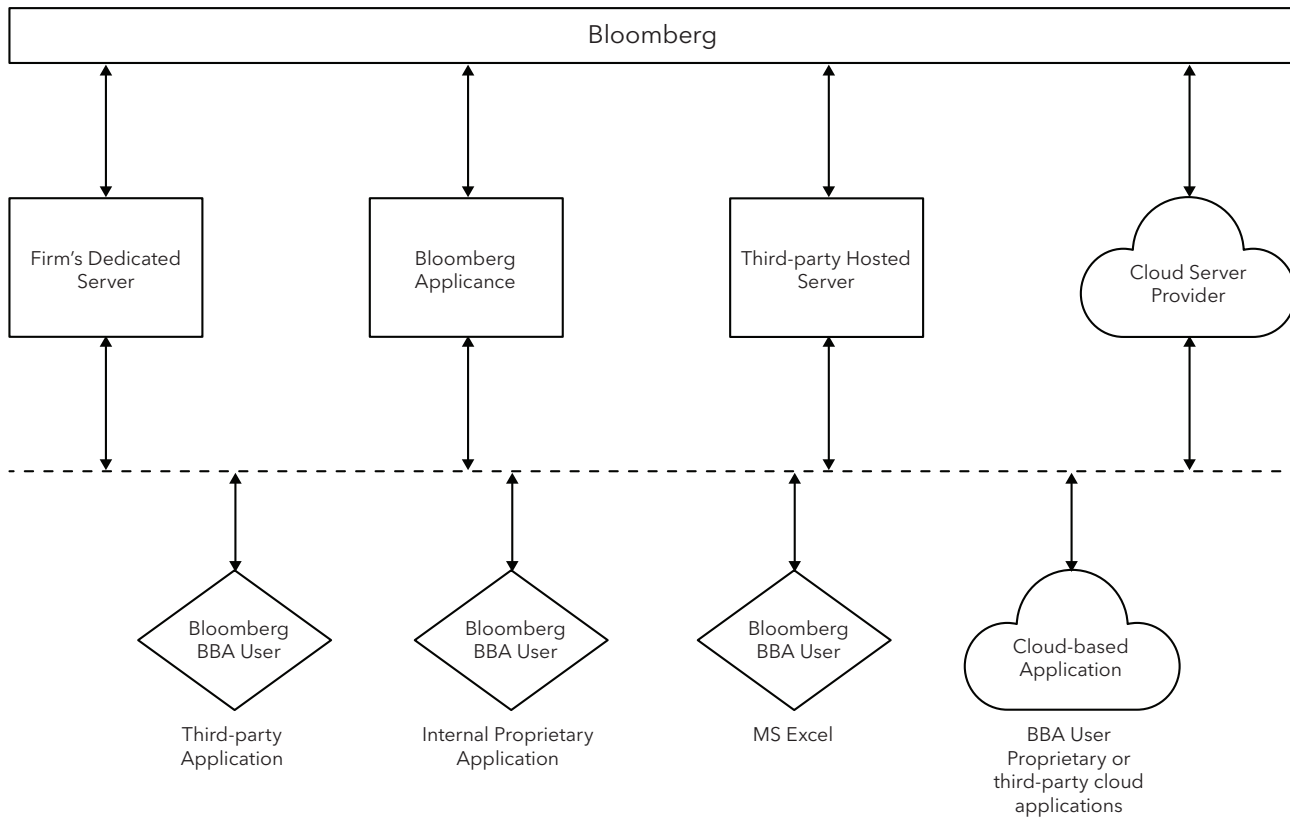
Third-party vendor
Bloomberg Server API can be hosted by a registered third party for firms that want to ensure data consistency across applications.

Cloud services
Cloud delivery offers the fastest access to data and capabilities to nourish cloud-based applications. The Server API process can run on Amazon Web Services (AWS) via AWS API Gateway. This low-latency option offers speed, reliability and security.

Bloomberg

Server API delivery options

Diagram showing Server API delivery options. Top box labeled "Bloomberg" connects to four delivery options: "Firm's Dedicated Server", "Bloomberg Applicance", "Third-party Hosted Server", and "Cloud Server Provider". A dashed line separates these from: "Bloomberg BBA User" (diamond) → "Third-party Application"; "Bloomberg BBA User" (diamond) → "Internal Proprietary Application"; "Bloomberg BBA User" (diamond) → "MS Excel"; "Cloud-based Application" → "BBA User Proprietary or third-party cloud applications".

Flexible APIs for every use case

The Server API is one of several Bloomberg APIs designed to offer flexible access to a wide range of data feeds and content. The Bloomberg Market Data Feed (B-PIPE) and the Bloomberg Platform for Data Distribution provide real-time market data and complementary services for complex capital markets' needs. The Hypermedia API offers convenient access to bulk datasets, including reference, pricing and regulatory data, on over 50 million securities and more than 15,000 fields.