

Call SciTegic protocols from custom clients.

Deploy powerful science to a wide audience of users.

Choose from different software development kits to best meet your needs.

Client-Side SDKs

The power of automated and validated data processing protocols in Pipeline Pilot is available to a broader audience by deploying a highly customized client interface. A zero-footprint Web interface (Pipeline Pilot Web Port) can be customized to suit different needs. For complete control of Pipeline Pilot protocol execution from proprietary or third-party applications, there are three different software development kits (SDKs). These SDKs are designed for enterprises that seek to deliver scientific and data processing capabilities that are intuitive and useful for your end-users.

Use the Client SDKs to:

- Deploy powerful science to a wide audience of users
- Build targeted end-user interfaces to minimize support and training costs
- Integrate Pipeline Pilot server as a middle tier in support of an enterprise application architecture
- Build client applications using standard languages to lower cost of deployment and ownership

Building Tailor-Made Clients for End-Users

The Pipeline Pilot Professional and Lite clients provide great flexibility for authoring and executing protocols, but to meet the needs of a typical end-user, you want the flexibility to deliver best-in-breed solutions in a tailor-made client environment. Pipeline Pilot Web Port is an out-of-the-box environment for running Pipeline Pilot protocols within a browser. Even non-programmers can customize its look and feel. To build a completely customized Web user interface and integrate with third-party or proprietary native client applications, use the Client SDKs. Our SDKs are designed to streamline the process of developing and deploying your own custom clients.

Proven Technologies for Enterprise Development

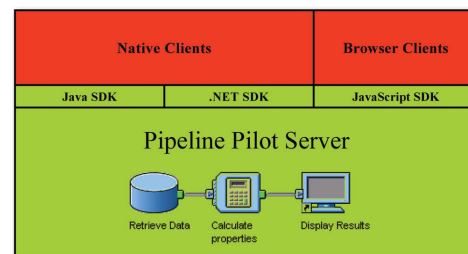
As an IT professional, you can employ the Client SDKs to incorporate Pipeline Pilot as a middle tier in a proprietary or third-party environment

or application. You have the flexibility to program in several different languages, including .NET, JavaScript, and Java. Client and servers communicate through a standard Web services layer using Simple Object Access Protocol (SOAP). The SDKs incorporate advanced error handling and security features for building robust end-user applications.

Developer Resources

Each Client SDK ships with detailed documentation and example applications. For up-to-date documentation, tips, FAQs, and API references that support the Pipeline Pilot development community, check out our website. We also provide a forum for interacting with other Pipeline Pilot developers and for sharing your knowledge and experiences.

Note: Our Client SDKs are designed to call the Pipeline Pilot server from your own client applications. Our Integration Collection allows you to integrate your own algorithms or other programs as services inside a Pipeline Pilot protocol. Both the Client SDKs and the Integration Collection make use of some of the same external programming languages (such as Java), but one is for integrating clients, and the other for servers and calculators.



The Client-Side SDKs allow you to call Pipeline Pilot protocols from custom clients.

Control the Pipeline Pilot Server

From your language of choice, you can completely control the Pipeline Pilot server. Each SDK supports methods for common tasks such as:

- Securely accessing the Pipeline Pilot server
- Browsing the server's file system, protocols, and components
- Uploading and downloading files
- Viewing, setting, and validating protocol parameters
- Running protocol jobs and retrieving their results

Which SDK should I use?

- Cross-platform access to Pipeline Pilot using Java is provided through the Java Client SDK
- Access from clients running on Microsoft platforms is provided through the .NET Client SDK
- Write custom Web interfaces that incorporate Java applets or Active-X controls using the JavaScript Client SDK

Technologies

The Client SDKs are built on top of the SciTegic server platform which leverages standard technologies such as:

- User authentication via LDAP, Active Directory, or Linux/PAM
- Data access through ODBC and JDBC
- Compatibility with .NET and Java/JSP based infrastructure
- Secure communication through HTTPS and SSL
- Client-server communication through SOAP/Web services

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