Extensible Web Services

Make smarter decisions

Work more efficiently and make more informed decisions by extending functionality with .NET applications and extensible Web Services that connect processes and enable real-time information sharing.

Increase the value of existing IT investments

Use the power of technologies such as Microsoft SQL Server™, Microsoft Visual Studio™, and the Microsoft .NET Framework, as well as industry standards such as Web Services and Extensible Markup Language (XML), to increase data sharing and integrate business processes throughout the organization

Streamline data entry

Eliminate data entry duplication by connecting systems to enable the smooth flow of information to and from your Web storefront, legacy application, or point-of-sale system and your back office applications.

Simplify integrations

Developers can include functionality in a program without having to fully understand the underlying business logic or complexity of the Web service they are connecting with, or having to reinvent their integrations each time a new Microsoft Dynamics GP version is released.

Reduce development costs

Let developers work within their existing development environment, using their tools of choice. Web Services help shorten development time and simplify system complexity for lower integration, development, and maintenance costs.

Connect your organization's applications and data to create a powerful flow of information that enables smarter decisions and a more productive workforce. By taking advantage of emerging industry standards, you can extend Microsoft Dynamics™ GP to better connect information, people, systems, and devices, share data more easily, integrate processes, and manage change in a demanding business climate.

Web Services Layer
Microsoft Dynamics GP XML Schemas
Financial | Sales | Purchasing | Inventory Management | Project Tracking

Business Services Layer
Security Manager | Policy Manager | Event Manager | Exception Manager

Business Logic & Persistence Layer
eConnect Adapters & Stored Procedures

ELIMINATE DUPLICATE EFFORT BY USING WEB SERVICES TO PASS XML DOCUMENTS INTO AND OUT OF MICROSOFT DYNAMICS GP, helping to streamline data entry processes and tie your systems together. With Web Services you can connect applications to your financial management data and support many different models for data access. The Web Services Layer allows you to create consistent, standardized integrations with Microsoft Dynamics GP. The Web Services layer works with the Business Services layer to provide security, policy validations, defaulting, and exception management for consumers of the Web service. These two tiers interact with the Business Logic & Persistence layer within eConnect to provide scalable and reliable integration solutions.

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[FEATURES OVERVIEW]

Developer Toolkit for Microsoft Dynamics GP	Customize and further extend your Microsoft Dynamics GP solution with a toolkit that includes documentation, samples, and command-line tools and compilers to help developers create and deploy .NET Framework applications.
Industry-Standard Tools and Languages	Move data in and out of Microsoft Dynamics GP using tools and languages that are familiar to developers, including Microsoft Visual Studio, the .NET framework, and XML.
Consistent Event Model	Microsoft Dynamics GP Web Services enable easier extensibility across various scenarios. Multiple integrations can be built on the same service or service operation to allow many different integrating products to react to events happening within Web Services. For example, saving a customer record within Microsoft Dynamics GP could trigger an event to populate data within a third-party developer's table by utilizing Microsoft Dynamics GP Web Services eventing capabilities.
Versioning Support for XML Schemas	Versioning support enables efficient updating of integrating applications when they are ready. Moving to subsequent releases of Microsoft Dynamics GP does not require an immediate upgrade of third-party integrating applications.
Extensible Security Framework	ISVs can enable security for their own services and other third-party products, build their own Web Services security framework, and manage security from one centralized console. Web Services will also support integrated security for Microsoft Windows® operating systems.
Extensible Policy/Behavior Model	By enabling specific defaulting behaviors for custom integrations or add-ons, developers can work flexibly to define how integrating applications create data within Microsoft Dynamics GP. Developers can utilize existing Microsoft Dynamics GP application policies and behaviors, and/or create their own within this policy/behavior subsystem.
XML Schema Extensibility	Efficiently move data within the context of the Web service call. This enables integrating products to use Web Services for their custom payload of data.
Existing Resource Integration	Integrate data from external data sources with Microsoft Dynamics GP —including Web Services, CRM applications, Web storefronts, and legacy applications—with developer tools that use a series of transactional business objects.
Microsoft Dynamics GP Logic Application	Ensure the accuracy and integrity of external data by processing data through business logic contained in Microsoft Dynamics GP, helping ensure that data meets the processing criteria before being committed to the database.

Microsoft Dynamics™ GP