

# Configuration and Development

## BENEFITS

**Increase the value of existing IT investments.** Improve data-sharing capabilities and integrate and automate business processes using Microsoft SQL Server™, Visual Studio, and the Microsoft .NET Framework, as well as industry standards such as Web services and Extensible Markup Language (XML).

**Simplify integrations.** A common technology toolset enables developers to include functionality in a program without having to understand the underlying business logic or complexity of the Web service they are connecting with, or reinvent their integrations each time a new Microsoft Dynamics GP version is released.

**Reduce development costs.** Developers can work within their existing development environment, using industry-standard products and technologies such as Visual Studio, Dexterity®, and other development programming tools. Web Services for Microsoft Dynamics GP helps shorten development time to reduce integration, development, and maintenance costs.

**Eliminate data re-entry.** Enable businesses with existing online storefronts, industry-standard Web services, or other data sources to integrate seamlessly to Microsoft Dynamics GP.

## Developer Toolkit for Microsoft Dynamics GP

Connect, integrate, and customize 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.

The Developer Toolkit for Microsoft Dynamics GP delivers documentation, samples, and command-line tools and compilers to help developers create and deploy .NET Framework applications. Designed to enhance the extensibility of Microsoft Dynamics GP, this toolkit empowers developers to utilize Microsoft® technologies and tools built around .NET, helping reduce complexity and costs for IT development work. Components include:

- Microsoft Visual Studio® Tools
- Web Services for Microsoft Dynamics GP
- eConnect

Each of these components includes a run-time version for deploying solutions that have been developed by your Microsoft authorized reseller or another independent software vendor (ISV).

The Developer Toolkit is available for use by Microsoft partners to develop solutions for Microsoft Dynamics GP Standard and Professional and Microsoft Dynamics GP Business Essentials and Advanced Management. The Toolkit is also available for direct purchase by Microsoft Dynamics GP Professional or Advanced Management customers.

## FEATURES

## DEVELOPER TOOLKIT

<b>Industry-Standard Tools and Languages</b>	<p>Move data in and out of Microsoft Dynamics GP using tools and languages that are familiar to developers, including Visual Studio, the .NET framework, and XML.</p>
<b>Extensible Web Services</b>	<p>Integrate data from and maximize interoperability with external data sources with Microsoft Dynamics GP—including Web services, CRM applications, Web storefronts, and legacy application—using developer tools that use a series of transactional business objects that enable communication with programs written in different programming languages on different platforms, and in a standards-based way. Process data through business logic contained in Microsoft Dynamics GP, helping ensure that data meets the processing criteria before being committed to the database.</p>
<b>Visual Studio Tools</b>	<p>Using Microsoft Dynamics GP templates that install as add-ins to Visual Studio, create forms consistent with the look and experience of native Microsoft Dynamics GP forms. Create client-side extensibility for Microsoft Dynamics GP through industry-standard tools such as Visual Studio .NET. Visual Studio tools may be used separately or in concert with Dexterity, the native Microsoft Dynamics GP programming language.</p>
<b>eConnect</b>	<p>eConnect offers fast and accurate integration from outside data sources to Microsoft Dynamics GP. eConnect is also the underlying connection mechanism for Web Services for Microsoft Dynamics GP, and may be used directly for integration points within Microsoft Dynamics GP where Web Services have not yet been developed and eConnect schemas already exist.</p>
<b>Consistent Event Model</b>	<p>Web Services for Microsoft Dynamics GP enables easier extensibility across various business 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 utilizing these Web Services could trigger an event to populate data within a third-party developer's table by utilizing Web Services for Microsoft Dynamics GP eventing capabilities.</p>
<b>Extensible Policy/Behavior Model</b>	<p>By enabling specific default 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.</p>
<b>Item Tracking</b>	<p>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.</p>

For more information about the Developer Toolkit for Microsoft Dynamics GP, visit [www.microsoft.com/dynamics/gp](http://www.microsoft.com/dynamics/gp).