

Microsoft



Microsoft Visual Studio 2005 Team Foundation Server

- Secure your most valuable assets
- Bring your teams together
- Achieve visibility and predictability
- Leverage your existing tools
- Get up and running quickly and easily
- Customer evidence



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Visual Studio 2005
Team Foundation Server

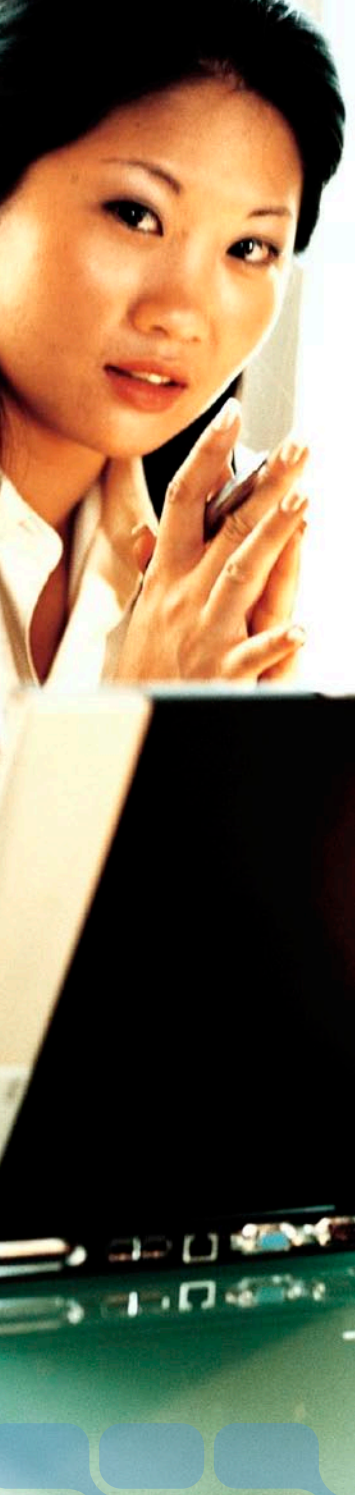


WHY TEAM FOUNDATION SERVER?

The development environment today has become more and more complex through increased specialization, outsourcing and off shoring, added pressure to meet compliance initiatives, and ever shorter development cycles. Despite advances in the tools that are available today, managers still struggle to answer fundamental questions such as:

- **What's in the current build that QA can test today?**
- **Are requirements being met?**
- **Are my teams adhering to quality standards?**
- **Is the product ready?**

With the introduction of Microsoft Visual Studio® 2005 Team System, Microsoft is bringing an unprecedented level of visibility and predictability to the application development lifecycle. The role-based tools in Visual Studio 2005 Team System were built from the ground up to integrate seamlessly in order to facilitate collaboration across teams. Every member of your organization can work easily and quickly while Visual Studio 2005 Team System automatically gathers the data required to empower managers with the information they need to lead the team and development process towards success.



TEAM FOUNDATION SERVER BENEFITS

Microsoft Visual Studio 2005 Team Foundation Server delivers a broad range of features and benefits that will transform the way your organization manages the development lifecycle:

- **Secure your most valuable assets:** Source code, tasks lists, project plans, and vision statements are among the most valuable assets in any organization. Team Foundation Server enables you to track and manage changes to these assets and safe guard them through the security of Microsoft SQL Server™ 2005.
- **Bring your teams together:** Team Foundation Server provides an environment that integrates the source code control that developers require with the issue tracking that project managers and testers require. All of this functionality leverages XML Web services for hassle-free communication. This creates a global, collaborative environment for the entire team.
- **Achieve visibility and predictability:** Team Foundation Server leverages the industry-leading analysis and business intelligence features of SQL Server 2005 to bring visibility into the software development process. A wide variety of team-level reports are automatically generated as the team works day-to-day.
- **Leverage your existing tools:** Team Foundation Server provides integration with familiar tools such as Microsoft Excel® and Microsoft Project. Customers who are familiar with these tools can continue to take advantage of their inherent productivity and synchronize their work with the data managed by Team Foundation Server.

- **Get up and running quickly and easily:** Team Foundation Server was designed and built to leverage existing, industry-leading Microsoft technologies such as SQL Server 2005, Microsoft Windows® SharePoint® Services 2.0, and Microsoft Internet Information Server 6.0 helping to reduce the cost of deployment and administration.
- **Version Control:** The completely new Version Control capabilities that are part of Team Foundation Server offer innovative functionality such as shelving, atomic check-ins, XML Web service-based communication, and deep integration with all of the other aspects of Team Foundation Server.
- **Work Item Tracking:** Team Foundation Server brings order and consistency to the tasks lists, project plans, issues, and requirements that are part of any software project with integrated Work Item Tracking.
- **Reporting:** As your team works day-to-day with Team Foundation Server, the data that they generate—whether it is source code they've written, bugs they've found, or requirements they've recorded—is all stored within Team Foundation Server. The comprehensive Reporting functionality of Team Foundation Server correlates this data into a collection of over 20 meaningful, actionable reports.
- **Build:** Team Foundation Server provides turnkey build lab functionality with its team-wide Build feature. This enables developers to schedule and execute multi-solution builds that must pass a gauntlet of testing and code analysis before being published.
- **Team Communication:** Team Foundation Server enables Team Communication. Each project managed by Team Foundation Server has an associated SharePoint Project Portal to give team members a single place to share their ideas and enables individuals to receive notifications of events in the projects they are working on that are of interest to them.

For details, visit: <http://msdn.microsoft.com/vstudio/products/vsts/tfs/details/default.aspx>

VENDEX KBB IT SERVICES

Leading Netherlands IT Vendor Increases Productivity and Predictability of Software Development

Vendex KBB IT Services is a privately-held company that provides technology services and solutions to organizations in the Vendex KBB group, the largest non-food retailer in the Netherlands. As part of its constant efforts to refine its development environment, Vendex KBB IT Services works with Capgemini to evaluate new software development tools and processes as soon as they become available. In a recent pilot project, Visual Studio 2005 Team System delivered substantial improvements in productivity and predictability for development efforts involving Microsoft .NET software. In addition to increased efficiency and productivity, Vendex KBB IT Services expects Visual Studio Team System to further its Capability Maturity Model (CMM) accreditation.

“ From our perspective, the adaptability and stability was particularly striking and has given us confidence to add Visual Studio Team System to our existing Microsoft development toolset.”

- Ed Houweling, Development Manager
Vendex KBB IT Services

Team Foundation Server features used:

- Process
- Project Management

For the complete story about Vendex KBB IT Services, visit:
http://download.microsoft.com/documents/customerevidence/22244_Vendex_Final.doc

INFO SUPPORT

Software Consultancy Improves Development Lifecycle and Predictability

Info Support provides tools and expertise to improve software development. The Info Support software factory, called Endeavour, helps enterprise development teams accelerate software development and improve management of the software development life cycle. To enhance the customer experience and enable IT departments to provide fixed-price projects, Info Support is integrating Endeavour with Visual Studio Team System. To make the integration seamless and provide all existing functionality in a single suite, Info Support is extending and customizing Visual Studio Team System capabilities. The result: Software teams see superior end-to-end development and increased productivity. With an integrated, collaborative software factory environment, Info Support and its customers enjoy the quality assurance and cost predictability they need.

“ [Visual Studio] Team System...allows us and our customers to have a better measurement of how time is spent and to make better predictions for future projects—even do fixed-price projects.”

- Marcel De Vries
IT Architect, Info Support

Team Foundation Server features used:

- Team Build
- Process
- Work Item Tracking
- Version Control
- Data Warehouse

For the complete story about Info Support, visit:
http://download.microsoft.com/documents/customerevidence/21335_Info_Support_CS_VS2005_final.doc

FUJITSU CONSULTING

Technology Consulting Group Gains Design Efficiencies with New Development Tools

Fujitsu Consulting has been a leading provider of consulting services and technology-based business solutions for more than 30 years. Macroscopic, Fujitsu's integrated suite of business and IT methods designed to help companies implement and manage organizational change, encapsulates more than 25 years of consulting experience. By combining Macroscopic with Visual Studio Team System, as well as Microsoft Visual Studio Tools for the Microsoft Office System and SQL Server 2005, Fujitsu is helping its customers transform their businesses and deliver business value faster at a lesser cost by providing proven, best-in-class business and IT methodology integrated with a leading-edge IT solution development environment.

"As we see it, Visual Studio Team System expands on the successes of Microsoft in delivering tightly integrated, highly productive software development lifecycle tools."

- Serge Deschamps, VP for Macroscopic and Knowledge Management
Fujitsu Consulting

Team Foundation Server features used:

- Process
- Project Management

For the complete story about Fujitsu Consulting, visit:
http://download.microsoft.com/documents/customerevidence/21489_Fujitsu_Case_Study.doc

THE COMPUTER SOLUTION COMPANY

ISV Closes Collaboration Gap and Improves Software Development Predictability

To better meet the needs of "virtual" crime-solving teams, the Computer Solution Company (TCSC) improved its highly successful Forensic Laboratory Information System using Microsoft Visual Studio Team System and Microsoft SQL Server 2005. In two weeks, two developers migrated the solution to the Microsoft .NET Framework 2.0 and completely reorganized the source tree. TCSC developers now enjoy better communication and collaboration—even involving customers in the development cycle—with Visual Studio Team System and Visual Studio Tools for the Microsoft Office System. The result is more predictable, less-complex development projects and an increased competitive advantage.

"The access to quality development and testing tools built into Visual Studio Team System itself increases our confidence in the quality of the code that we produce."

- David Romig, Chief Technical Officer
The Computer Solution Company

Team Foundation Server features used:

- Work Item Tracking
- Team Build

For the complete story about The Computer Solution Company, visit:
http://download.microsoft.com/documents/customerevidence/21067_Computer_Solution_Company_final.doc

AIRWAYS NEW ZEALAND

Team Tools Help Developers Upgrade Mission-Critical Aviation Software

Airways New Zealand provides important products and services for its home country's aviation system as well as for customers abroad. A client request to update and add features to a key software product called the Staff Utilization Management System (SUMS), which is used to manage air traffic control staffing, led Airways New Zealand to reconsider the tools used in its development shop. The result: the company adopted Visual Studio 2005 and used Visual Studio Team System to upgrade and enhance its SUMS software. Now the company's development group can more closely monitor specific development tasks while improving the overall quality of code through better documentation and more frequent quality checks during builds.

Team Foundation Server features used:

- Work Item Tracking
- Process
- Project Portal
- Version Control

" Before, a single major issue could take us days to resolve. Now with Visual Studio Team System, we can resolve it in a matter of minutes."

- Peter Jones, Software Engineer
Airways New Zealand

For the complete story about Airways New Zealand, visit:
http://download.microsoft.com/documents/customerevidence/20991_Airways_New_Zealand_VS05_Final.doc

HP

HP Builds Comprehensive Solution for Software Development Project and Process Management

Due to mergers and acquisitions, Hewlett-Packard Company (HP) software engineers have inherited multiple tools used to support the software-engineering process. To consolidate tools and standardize processes, HP utilized Microsoft Visual Studio 2005 Team Foundation Server, a component of Visual Studio Team System, to deliver APPRISE, an enterprisewide solution for software development project and process management. Through the extensibility, flexibility, and prebuilt features of Team Foundation Server, HP rapidly and cost-effectively delivered APPRISE, a solution that supports and enforces HP's own development methodologies, processes, and reporting needs. APPRISE will help HP improve the productivity and predictability of its global customer-solution delivery network, leading to better project governance, process and methodology management, resource usage, and business performance management.

" With Microsoft Visual Studio Team Foundation Server, we were able to develop an enterprise-class solution in half the time it would have taken otherwise."

- Mandar Bhagwat, Program Manager
Hewlett-Packard Company

For the complete story about HP, visit:
http://download.microsoft.com/documents/customerevidence/21147_HP_13595_final.doc

Team Foundation Server features used:

- Process
- Work Item Tracking
- Data Warehouse

BARCLAYS CAPITAL**Barclays Capital Achieves Guaranteed Reliability and Performance with New Fixed-Income Solution**

Barclays Capital's projected growth plan required the bank to review its existing fixed-income trading system to find ways to handle an increasing amount of trading volume. After close consultation with Microsoft Services, Barclays Capital decided to update its existing trade management system with a solution based on Microsoft SQL Server 2005. The new system is designed to process the increased volumes with a much more predictable latency. In addition, Barclays Capital plans to use the new functionality of Visual Studio 2005, in particular Microsoft Visual Studio Team System, to increase collaboration within its software team. Once fully implemented, it expects to significantly accelerate development time and improve reliability, thanks to improved communication and easier knowledge sharing across its development teams.

Team Foundation Server features used:

- Work Item Tracking
- Reporting

For the complete story about Barclays Capital, visit:
http://download.microsoft.com/documents/customerevidence/22286_Barlays_Capital_SQL2005_final.doc

MICROSOFT**Microsoft Managed Solutions IT (MSIT) Finds Flexibility**

The Microsoft Managed Solutions IT (MSIT) group inside Microsoft Information Technology (Microsoft IT) has its own software development methods and processes. This makes adopting an off-the-shelf, "one-size-fits-all" solution impractical. Microsoft Managed Solutions IT needed to incorporate its particular methodology processes into Visual Studio to better track developer time and reporting resources. The results illustrate how the extensibility features in Visual Studio 2005 Team System give any organization the ability to customize and implement its own specific internal software development life-cycle processes.

Team Foundation Server features used:

- Work Item Tracking
- Process

For more information on Microsoft Managed Solutions IT, visit:
www.microsoft.com/technet/itsolutions/msit/deploy/vstsextendtcs.aspx

TEAM FOUNDATION SERVER REQUIREMENTS

Microsoft defines “team” to be all people who are spending most of their time on projects using the Team Foundation Server and team size is measured by the hardware configuration it will support. This means all roles: developers, testers, analysts, project managers, etc. Different roles will, of course, put different amounts of load on the system and in different ways. If you have a team of people who run queries every 30 seconds all day, you’ll need more server than we’re recommending here. The numbers are based on the load experienced using Team Foundation Server internally at Microsoft for the past year or so.

Many factors can affect performance, including network traffic, data size, load per user, software or hardware configuration differences, and more. These are only guidelines for planning purposes. The only way to know for sure what hardware will work for you is to try it in your environment.

TEAM SIZE	TEAM FOUNDATION SERVER CONFIG.	MODEL	CPU	MEMORY
100	Single server	Dell PowerEdge 1850	1P 3.4 Ghz	1 GB
200	Single server	Dell PowerEdge 1850	1P 3.4 Ghz	2 GB
400	Single server	Dell PowerEdge 1850	2P 3.4 Ghz	2 GB
800	Dual server	HP ProLiant DL580 G2	AT: 1P 2.8 Ghz	AT: 1 GB
			DT: 2P 2.7 Ghz	DT: 4 GB
2000	Dual server	HP ProLiant DL580 G2	AT: 2P 2.8 Ghz	AT: 4 GB
			DT: 4P 2.7 Ghz	DT: 16 GB
3500	Dual server	AT: Dell PowerEdge 1850	AT: 2P 2.8 Ghz	AT: 4 GB
		DT: Unisys ES7000/600	DT: 8P 2.8 Ghz	DT: 32 GB

AT = Application Tier DT = Data Tier

For more information about requirements, visit:

<http://blogs.msdn.com/bharry>

<http://blogs.msdn.com/jeffbe>

http://blogs.msdn.com/team_foundation/archive/2005/11/15/493188.aspx

TEAM FOUNDATION SERVER RESOURCES

For more information, visit:

<http://msdn.microsoft.com/vstudio/teamsystem>



<http://msdn.microsoft.com/vstudio/products/vsts/tfs/default.aspx>



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