



CLIENT EXPERIENCE

TCS Implements Visual Studio Team System in the Microsoft OEM division's IT Center of Excellence

Customer
Microsoft Corporation

Industry
High Technology

Offering
Software application testing

The OEM development team was using tools that operated on separate servers and were not highly integrated. The disparate architectures and infrastructures were both difficult to manage and to integrate. Although the team used Microsoft Visual Source Safe® for code source control, it wasn't integrated with the manual build system or build reporting system, which created a situation where code branching strategy was complex and challenging. Furthermore, the defect tracking tool created time-consuming project status reporting that was largely manual and subject to errors. The team could not generate project status in real time, and the test team found it tedious to plan test cases and import them between releases by using manual systems. To accomplish reporting, project managers had to run static report queries on a relational data store that prevented examining historical data or analyzing trends. OEM IT engineers had to manually collect and analyze the Personal Software® and Team Software Process® Metrics.



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OEM IT COE (Center of Excellence) is a global IT engineering organization that delivers enterprise business solutions to the Microsoft OEM Division and several other businesses within Microsoft. It consists of approximately 200 people, including Microsoft employees and personnel from global vendor partners.

Business Situation

- Integrate disparate architectures and infrastructures.
- Facilitate code branching.
- Strengthen status reporting and meet trend analysis needs.

TCS Solution

To automate and integrate the entire software development life cycle and bring a high level of collaboration, TCS and OEM IT implemented Visual Studio 2005 Team System, which consolidates project management, work item tracking, code source controls, build-and-test environments, and bug tracking. The Visual Studio Team System is a collection of client applications, the foundation server, and several other related components. The client applications are based on the roles filled by members of the development project team, and there are three Team Editions for software development:

- Team Edition for Software Architects
- Team Edition for Software Developers
- Team Edition for Software Testers

There is also a Team Edition for database designers:

- Team Edition for Database Professionals (also an edition that delivers functionality of all the applications above)
- Visual Studio Team Suite and there is a Team Foundation Server client to build projects and administer the server:
- Visual Studio Team explorer

Benefits

The benefits of the TCS & OEM IT solution have greatly changed the way the OEM IT team works on a daily basis. Visual Studio Team System enables

Microsoft's OEM IT team to use one comprehensive, integrated system as part of their regular workflow. As a result of the system, projects generate considerably less email traffic and a reduced need for meetings because the portal provides one-stop access to all project information—from project documentation to the latest test results. Automatically updated reports are available through one-click access and information in the OLAP data warehouse can be analyzed quickly and therefore explored in real-time and with innovative approaches.

Visual Studio Team System is providing critical short- and long-term benefits for the Microsoft OEM IT team:

- Automation of numerous administrative tasks, saving time and money in software development projects. Support of all applications is simplified.
- Powerful, automated, yet flexible, project reporting capabilities, generating error-free data in real-time.

About HiTech Industry Solution Unit

TCS' HiTech Industry Solution Unit comprises of Semiconductors, Electronics, Computer Platforms & Services, Software industry and Professional Services. At TCS, we leverage our experience in Engineering Services, Business Process Transformation, end-to-end IT Solutions and Infrastructure Services to provide comprehensive solutions that will help the High Tech firms and manufactures accelerate product innovation, achieve operational excellence, attain greater profitability and maintain market leadership.

Our proven consulting capabilities, Extensive engineering expertise, and in-house innovation labs provide breakthrough transformation of product and service portfolios. Our recent investments include dedicated labs and infrastructure in support for convergence solutions, embedded printer solutions, storage optimization and High Tech Center of Excellence based in Eindhoven (The Netherlands).

About Tata Consultancy Services

Tata Consultancy Services is an IT services, business solutions and outsourcing organisation that delivers real results to global businesses, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled services delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development.

A part of the Tata Group, India's largest industrial conglomerate, TCS has over 143,000 of the world's best trained IT consultants in 42 countries. The company generated consolidated revenues of US \$6 billion for fiscal year ended 31 March 2009 and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

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To know more about TCS' solutions and service for the High Tech Industry, mail at HiTech.Marketing@tcs.com

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