



Bull and Microsoft Partnership



Architect of an Open World™



Microsoft®
GOLD CERTIFIED
Partner

We help you capitalize on next-generation technologies and realize greater value from your IT investments

« Through their long-standing relationship, Bull and Microsoft jointly develop and deliver industry-standard, low-cost IT solutions that enable customers to respond faster to new business challenges, while granting the highest value of return from their investments.

*Standard,
reliable
and scalable
solutions*

Bull integrates its newest standard infrastructure, ranging from the NovaScale Universal entry-level servers, to the large SMP and multi-partition NovaScale Intensive servers, with Microsoft's latest technology platform to provide customers with flexible, reliable and scalable solutions.

In addition Bull delivers a comprehensive portfolio of services covering the complete lifecycle of Microsoft platform-based solutions: from initial assessment and design through implementation, integration and ongoing management.



Bull has a proven expertise in the full range of Microsoft technologies

Market-leading expertise in architectures and infrastructure technology

Bull's commitment and close collaboration with Microsoft Research & Development

Bull's engineers are working on the porting and optimization of future versions of Microsoft® Windows® Server and Microsoft SQL Server® on Bull NovaScale® servers, in close collaboration with Microsoft R&D teams in Redmond (USA). This hands-on cooperation has enabled Bull to acquire a top expertise in the design, integration and deployment of customers' solutions based on Microsoft technology. Redmond engineers benefit from Bull's know-how in SMP Intel® Itanium®2-based servers: Bull NovaScale is used today by Microsoft engineers as a reference platform to test SQL Server 2005.

Bull is Microsoft Gold Certified Partner

Bull is Microsoft Gold Certified Partner, specialized in the domains of Infrastructure Solutions and Networking Infrastructure Solutions, with an important number of professionals trained on Microsoft products and technology, including MCSE certified specialists.

Bull has created its Microsoft Competence Center to address key customer needs such as benchmarking, sizing and optimization of Microsoft solutions, including SQL Server 2005, Biztalk Server 2006, Exchange Server 2007 and other Microsoft Server technologies running in the Windows Server 2003 environment. The Competence Center delivers a proven enterprises-level expertise in both hardware and software infrastructures, as well as in applications development and deployment.

Bull Services provides a proven expertise and experience with Microsoft technology

Bull offers a complete line of services to deliver secure, scalable, reliable Microsoft-based solutions to help enterprises optimize their IT investments. Services range from consulting, to architecture and infrastructure design, development, integration, project

management, application support and outsourcing.

The comprehensive set of Microsoft solutions includes:

- Core Infrastructures solutions
- Servers and applications consolidation
- Business Intelligence solutions
- Messaging migration and deployment
- SAP R/3 infrastructure migration and deployment.

Enterprises rely on Bull for the support of their Microsoft environment

Bull provides a full range of preventive and remedial support services to keep enterprises' Microsoft environments up and running around the clock.

As Microsoft Gold Certified Partner for Support services, Bull offers Microsoft Services Partner Advantage (MSPA) services, including 24x7 support, incident escalation to Microsoft, and personalized follow-up by a dedicated expert for the coordination of all support needs. The Bull Software Support Center will assist customers through the complete life cycle of a Microsoft solution implementation, including consulting, change and operation management.

Bull's Training and Education Center provides hands-on access to Microsoft technology

Bull's Training and Education Center is Microsoft Gold Certified Partner for Learning Solutions: the training includes Microsoft Server products, Microsoft Developer Tools, Microsoft Project, Microsoft Office, and Microsoft Security.

Certification programs such as MCSE, MCSA, etc. can be provided as well. Bull's trainers are all Microsoft Certified with a solid experience acquired in the fields of design, deployment, and support.

Bull NovaScale servers and Windows Server 2003 meet your needs for value and performance

Bull NovaScale family of servers is a complete and scalable range of Intel® Xeon® and Itanium® processor-based platforms, perfectly adapted to front-end applications (web, mail, workgroup and department servers) as well as to back-end critical applications (ERP, CRM, Datawarehouse, consolidation) and to scientific computing.

"Windows Server 2003 is designed to be a great 64-bit server platform that delivers significant performance and cost savings. We see great opportunities for customers to benefit from this optimized 64-bit computing platform using Windows Server 2003 - based Bull servers. Windows Server 2003 and SQL Server solutions on the new Bull server range will deliver the reliability, availability and scalability required by enterprise applications."

Bill Veghte

Corporate Vice President Windows Server Group, Microsoft Corp.

NovaScale Universal range

Outstanding performance-per-watt ratio and lower costs

The NovaScale Universal range consists of servers based on multi-core Intel® Xeon® processors running under Windows® Server 2003 environment.

They combine high performance and lower costs, and are ideally suited for space-constrained environments requiring energy efficiency.

NovaScale T800 Series

Tower servers for workgroups and departments.

NovaScale R600 Series

Fault-tolerant servers for enterprises that require an affordable platform with a high level of robustness and reliability for their mission-critical applications.

NovaScale R400 Series

Compact, easy-to-deploy rack-optimized servers, designed for workgroups and Internet service providers. Their high computing power and I/O throughput also make them a perfect choice for High Performance Computing cluster architectures running under Windows Compute Cluster 2003.

NovaScale B200 Series

Blade servers for server-based computing solutions, replicated applications and server consolidation. Blade servers enable remote deployment and configuration of system software and application. They are ideally suited for the networked operation of servers and applications.



NovaScale Intensive range

Reliability, availability and power for enterprise applications

The NovaScale Intensive range consists of SMP servers integrating multi-core Intel® Itanium® 2 processors. These powerful servers deliver partitioning functionalities, high scalability and mainframe-class robustness. Their features make them particularly appropriate for mission-critical applications as well as for demanding applications such as Business Intelligence and data bases, running in Windows Server 2003 or proprietary GCOS environments.

NovaScale 3005 Series

Two to eight-core servers combining power and density to deliver up to 20 eight-core servers in one single rack. They are ideal for clustered architectures for scientific or business applications running under Windows® Server 2003.

NovaScale 5005 Series

Large-scale four to 64-core servers for demanding mission critical applications such as ERP/SCM, database in Windows® Server 2003 environments. The NovaScale 5005 Series provides advanced virtualization and partitioning functionality, making it an ideal platform for servers and multiple applications consolidation.

NovaScale 7000/9000 Series

Large-scale servers designed for GCOS 7 or GCOS 8 applications. They can simultaneously support Windows® Server 2003 and Linux® application environments.

Leverage our technology and expertise to meet your business needs



A wide variety of companies worldwide, belonging to different industries, geographic regions and business scenarios, have chosen Bull and Microsoft to build their infrastructure solutions.

Drawing on our knowledge and expertise gained through our own experience, these customers have achieved higher productivity for their business with fewer resources. They provide evidence that the benefits of Bull and Microsoft solutions are worth the investment.



Application consolidation under Windows improves performance and decreases costs

Fondazione ENASARCO administers the social security contributions of approximately 300,000 commercial agents and 100,000 businesses in Italy. It is a private corporation managed by the Italian Minister of Labour and Social Security. In order to reduce the organization's IT management burden, improve the security of sensitive data, while delivering high performance and scalability, ENASARCO decided to consolidate its servers and application set running in a highly

heterogeneous environment, including proprietary UNIX, Windows NT and Windows 2000 servers. The whole application environment has been migrated onto a 64-bit Bull NovaScale Intensive server and standardized under Windows Server 2003. The standardization under Windows Server 2003 has allowed Fondazione ENASARCO to streamline management of the organization's data infrastructure and related costs. It has enhanced system reliability and gained the ability to add capacity rapidly and cost effectively.



Czech Customs: a complete infrastructure solution for central portal and data warehouse

Once the Czech Republic had become a EU member, the Czech Customs had to provide various new services in addition to their traditional activities (collecting duties, levy taxes and other contributions to the state budget). These new services include administration of the European common tariff, statistical registration of external trade with other countries, monitoring and control of business and agricultural policy, fight against organised crime. These services work in close cooperation with European customs authorities and require a daily exchange of huge data

files with the European Commission's systems. Bull provided the new infrastructure solution, including Bull NovaScale servers, a portal and a high-performance data warehouse based on Microsoft SQL Server. This new infrastructure, allowing Czech Customs Administration to connect to the European customs information systems, leads to statistical registration of international trade, to the detection of irregularities, targeting financial fraud and corruption of customs procedures.



Citizens and enterprises interact with and receive services from a Web portal

The Local Italian Government provides the means for citizens and enterprises to be able to transact business with the Government electronically. Through a Web portal, Italian citizens and enterprises have an Internet access to interactive services such as administrative and self-certification documents, tax payment, and e-learning. Authentication is required before transactions are undertaken: Identity and Access Management is based on Microsoft Identity Integration Server (IIS) combined with a Smart

Card user authentication provided by the national Electronic Identity Card. The solution runs on a highly-available configuration based on a Bull server under Windows Server 2003, using Microsoft clustering and load balancing features. Bull developed the portal solution using Microsoft Visual Studio .NET with integration of XML/XSL, Microsoft SQL Server, and Microsoft IIS. The architecture, based on Web Services and XML technology, is fully integrated with local and central government systems.



Deploying a Business Intelligence solution based on SQL server and OLAP engine

Conforama deployed a Business Intelligence solution to increase its performance and quality of the services. The Business Intelligence solution was the first worldwide implementation of a SQL Server 64-bit version, running under Windows Server 2003. The complete solution includes an ETL (Extract, Transfer and Loading) tool, a database and multi-dimensional OLAP engine (Analysis Services) enabling the computation and storage of cubes for fast retrieval as well as functional data display. The hardware platform is a 64-bit Bull

NovaScale Intensive server, based on a 8-way architecture. This infrastructure is able to support up to 2,000 users and several terabytes of data. The scalability of the new infrastructure has allowed Conforama to create and process new business indicators, while handling larger data workloads. Easy and fast to implement, this solution provides the lowest transaction costs on the market, supports high volumes of data and features high-performance processing capacity for complex queries.

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