

Brochure

Build a high- performance, low-cost data warehouse

HP Services for Microsoft
SQL Server Fast Track Data
Warehouse Reference
Architectures



Fast track your access to business intelligence (BI) data

To respond quickly to changing market conditions, you need immediate access to data. The speed with which you implement your Data Warehouse (DW)—whether you're upgrading from a previous version of Microsoft® SQL Server or migrating from a different software technology—can be critical to your success in a competitive market. It can also significantly impact your return on investment (ROI).

To help you capitalize on information and stay aligned with your business goals, HP and Microsoft offer defined, optimized DW reference architectures for the Microsoft SQL Server Fast Track DW.

But keep in mind that the high-performance Fast Track architecture requires configuration across many devices. If not configured properly, performance will likely not meet expectations. Our services approach helps simplify and accelerate the deployment of your DW configured with HP ProLiant servers, HP storage, and HP networking products.

Build with an experienced BI services foundation

Our consultants bring deep understanding of your environments to a range of services based on repeatable best practices and methodologies built specifically for BI.

We apply vertical knowledge gained from thousands of customer implementations. Industry-specific data models, tools, and platform technology services are designed to help accelerate your development and implementation lifecycles. All of our services are created to help you optimize your Microsoft SQL Server environment and align your IT initiatives with your business goals.

Gain faster time-to-benefits

Putting our data warehousing and BI consulting expertise to work, HP delivers infrastructure services to simplify service selection, product selection, and sizing processes for your Microsoft SQL Server Fast Track DW on HP platforms. Our service offerings are designed to help you:

- Accelerate implementation of your the Microsoft SQL Server Fast Track DW solution
- Shorten time-to-results
- Mitigate risks to critical business processes

Our approach is workload-centric—as opposed to a one-size-fits-all approach to database configuration. This in turn means a speedier path to fast track solution benefits that include consistent, predictable performance right out-of-the-box.

What to expect on the fast track

With a team of 2800 BI consulting professionals worldwide, and five global centers of BI excellence, plus more than a decade of consulting experience, we bring the depth of a true BI specialist to your business.

HP Infrastructure Consulting Services for Microsoft SQL Server Fast Track DW

- Data warehousing assessment and solution selection based on sizing, number of users, data schema, query complexity, and reporting requirements, plus correct positioning and choice between **Enterprise DW and Fast Track DW**
- Business Discovery Workshops to ascertain current and long-term business needs for the success of your data warehousing technology implementation
- Fast Track DW Reference Architecture sizing and product selection
- Microsoft SQL Server Fast Track DW infrastructure deployment and testing
- Creation of Extraction, Translation, and Load (ETL) data modeling, reporting, and analytics for a proof-of-concept or a pilot project



HP Start Service for Fast Track DW

- One-week service including configuration and verification of HP Fast Track including SQLIO, MCR, and BCR testing for accelerated time-to-business results with your DW
- Integration into the data center, initial database, log, and temp file creations across volumes, followed by handover to you
- Connectivity check with your Microsoft BI reporting tools

We can provide a separate proposal with a statement-of-work for the ETL design and data loading of the data warehouse.

Data integration and data warehousing solution services

- Evaluation of existing data warehousing and BI initiatives, and mapping these to optimize Microsoft SQL infrastructure
- Assessment of both technical and organizational issues that impact performance, ROI, and user satisfaction
- Information integration services incorporating the processes, tools, and industry expertise required to consolidate disparate source data and build robust and sustainable solutions
- Data warehousing and BI planning, architecture, design, and deployment services
- Information delivery services that leverage Microsoft SQL Server reporting analysis services for on-demand reports, interactive dashboards, and analytics embedded in business processes

HP technologies snapshot

For a reliable, scalable solution infrastructure, HP provides solutions that combine the full features of Microsoft SQL Server 2012 technologies with:

- HP servers with Insight Control management to provide a reliable, scalable platform and enable best-run server infrastructures
- HP data storage products and solutions
- HP networking products
- HP desktop, notebook, tablet, and handheld systems for versatile client access
- HP software to enable more effective management of complex IT and IP network infrastructures

Follow a prescribed methodology

HP Fast Track Reference Architectures offer a balanced architecture optimized specifically for your DW high-speed, high-throughput sequential reads of data across a multitude of disks.

The storage arrays containing the disks match the number of CPUs in the system so that each component in the chain is performing optimally. This allows Microsoft SQL Server to perform DW queries of large amounts of data in a very short time. The HP Fast Track DW allows benchmarking that establishes real bandwidth for each component and creates base line performance characteristics for the customer.

Take the fast track with confidence

Together, only HP and Microsoft can offer you the breadth and depth of industry-leading information platforms—from the largest on-line transaction processing (OLTP) and DW environments to database consolidation and self-service BI. Built on Microsoft technology and HP Converged Infrastructure, our joint portfolio of solutions accelerates time-to-application value, improves performance, reduces complexity, and lowers cost by up to 90% when deploying and running information-critical data management applications.

Recognized Microsoft expertise

Our team includes more than 48,000 Microsoft-trained professionals—with more than 12,000 Microsoft-certified—making ours one of the largest, most specialized forces of consultants and support professionals for Microsoft environments.

We work closely with Microsoft to innovate, adapt, and unleash new business value. From devices and desktops to data center and cloud, we are the only partnership that offers the breadth and depth of solutions that address the diverse needs of your business. Together, we take familiar platforms you know and own and build integrated solutions, services, and support that help you increase the speed and effectiveness of your business, scale IT as business needs evolve, and deliver tangible business results.

Reliable, secure, and delivered globally

Consistent global delivery across all technology families means we can deliver our best experts—anywhere in the world—to solve your issues and meet your unique requirements. Quality is assured, without question.

A holistic approach

We take an environmental view with a clear understanding of how the pieces come together, from data center to notebook and everything in between—and then on to the cloud.

Education services that tailor to your needs

Spanning hardware and software training as well as end-user training on key products like SQL Server, Microsoft Office, and Microsoft Windows® 7/8, our education services are designed to help you manage the change associated with the rollout of new technologies as we help users be more productive through new skills and knowledge. The results? Improved ROI as you pursue what matters most to your business.

Get on the fast track today

As a complete provider of enterprise-class BI and DW solutions, we can help you solve your most complex business and information challenges. Give us your toughest business problem. Let us help you determine how to optimize, transform, and modernize your BI and DW environment.

Let's discuss ways to build a high-performance, low-cost DW—and connect your BI so you can realize the full value of your investment.

To learn more, contact your HP sales representative or visit: hp.com/services/sql

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