

Overview

Microsoft SQL Server 2012 is a cloud-ready information platform that will help organizations unlock breakthrough insights across the organization and quickly build solutions to extend data across on-premises and public cloud, backed by mission critical confidence.

SQL Server 2012 is a significant product release, providing Mission Critical Confidence with greater uptime, blazing-fast performance and enhanced security features for mission critical workloads; Breakthrough Insight with managed self-service data exploration and stunning interactive data visualization capabilities; Cloud On Your Terms by enabling the creation and extension of solutions across on-premises and public cloud. SQL Server 2012 is a Cloud Ready Information Platform.

SQL Server 2012 will be available in three main editions:

- Enterprise for mission critical applications and data warehousing
- Business Intelligence (new) for premium corporate and self-service Business Intelligence capabilities
- Standard for basic database capabilities, reporting and analytics - OEM SKU

For more information, please visit: <http://www.microsoft.com/sqlserver/en/us/default.aspx>

ProLiant server and option products are rigorously tested and certified for Windows Server. For a complete list of supported ProLiant servers, visit the OS support matrix at: www.hp.com/go/wincert.

HP Microsoft SQL Server 2012 OEM licenses are available for purchase from HP or your local authorized reseller.

- Available OEM license: Standard Edition.
- All Microsoft SQL 2012 kits include:
 - 32-bit and x64 DVD 9 media
 - Certificate of Authenticity (COA) - Sticker that contains your product key and is affixed to your server. The COA is your proof of license for the operating system.
- From HP: Available for purchase at the time of your ProLiant server purchase as Non-preinstalled (drop in the box) with the operating system DVDs included with the server. Client access licenses (CALs) are also available for purchase in addition to your server purchase or for a later purchase. Please be sure to review the minimum and maximum system requirements for Microsoft SQL Server 2012 R2 at: <http://www.microsoft.com/sqlserver/en/us/default.aspx>.

NOTE: For more information on HP's offering of SQL Server 2012 products, go to: <http://www.hp.com/go/sql2012>

What's New

- SQL Server 2012 will provide Mission Critical Confidence with greater uptime, blazing-fast performance and enhanced security for mission critical workloads; Breakthrough Insight with managed self-service data exploration and stunning interactive data visualizations capabilities; Cloud On Your Terms by enabling the creation and extension of solutions across on-premises and public cloud.
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Overview

Models

SQL Server 2012 Standard Edition

OS Not Pre-Installed

NOTE: English only. Includes 32-bit and x64 DVD 9 media and COA. Sold only as a configurable option with a ProLiant server purchase.

SQL Server 2012 Standard Edition (English)

694474-B21

SQL Server 2012 Standard Edition

OS Not Pre-Installed with CALs

NOTE: Chinese Simplified only. Standard Edition part number include client access licenses, includes 32-bit and x64 DVD 9 media, and COA. Sold only as a configurable option with a ProLiant server purchase.

SQL Server 2012 R2 Standard Edition 15 CALs (Chinese Simplified)

694474-AA1

SQL Server 2012 Standard Edition

OS Not Pre-Installed Additional Server License

NOTE: English only. Includes 32-bit and x64 DVD 9 media, and COA. For more VM's. Sold only as a configurable option with a ProLiant server purchase.

SQL Server 2012 Standard Edition Additional Server License

694475-B21

SQL Server 2012 - Client Access Packs

NOTE: All part numbers include 1 User or Device Client Access License (CAL); Sold from HP with or without a ProLiant server.

SQL Server 2012 Standard Edition -CAL 1 User (English)

694476-B21

SQL Server 2012 R2 Standard Edition -CAL 1 User (Chinese Simplified)

694476-AA1

SQL Server 2012 R2 Standard Edition -CAL 1 Device (English)

694477-B21

SQL Server 2012 R2 Standard Edition -CAL 1 Device (Chinese Simplified)

694477-AA1

Product Features

SQL Server 2012

- **Run Non-Critical Applications.** Reduce OS patching by as much as 50-60%¹ with new support for Windows Server Core. Meanwhile, Database Recovery Advisor introduces significant user experience enhancements to the ways DBAs can restore databases using SQL Server Management Studio. Within Management Studio, customers can now move a logical copy of their SQL Server databases directly to SQL Azure for more cost-effective and fully redundant data protection options.

More easily manage permissions around data access with User-Defined Server Roles to support separation of duties. Help increase manageability and decrease complexity of database schema through new Default Schema for Groups that allows a default database schema for Windows group user accounts. Better control database access to deployed applications while improving manageability through Contained Database Authentication that uses self-contained access information without the need for server logins.

Simplify application testing and minimize errors on a single database with application changes, configuration changes, and upgrades using new Distributed Replay. Added support for Windows PowerShell 2.0 automates management tasks across the Microsoft platform and enhancements to Sys Prep help IT more efficiently create VMs for private cloud solutions. Meanwhile, updated management packs for System Center Operations Manager help IT centrally manage their infrastructure.

- **Integrate Data and Enable Basic BI.** More easily integrate data from multiple disparate sources with enhancements to Integration Services which include rich DBA and IT Implementer support for the deployment and administration of ETL tasks, including better tracking of SSIS packet status, run SSIS as a server, and the ability to run administration and other capabilities as a separate SQL Server instance.

Support for multi-dimensional models allows IT to build business logic and scale to users through Reporting Services. Meanwhile, Report Builder 3.0 provides an intuitive report authoring environment for business users and supports many of the key capabilities of SQL Server Reporting Services.

- **Develop Innovative Applications.** Take database development to the next level with SQL Server Data Tools an integrated development experience for developers building next-generation web, enterprise and data-aware mobile applications across on-premises and public cloud. Meanwhile, the Data-tier Application Framework (DAC Fx) dramatically helps simplify the development, deployment and management of database applications server to cloud.

SQL Server 2012 makes it easier to manage content as an integrated part of an application. New FileTable makes it easier to manage content into FILESTREAM blob storage with standard tools and applications. Improvements to full-text indexing help yield better performance and search functionality. Meanwhile, new statistical semantic search technology supports automatic concept extraction and innovative key phrase search options for more sophisticated search across unstructured files.

SQL Server 2012 supports relational and non-relational data, including Big Data sources like Hadoop. Additionally, customers can extend heterogeneous environments using any industry standard APIs (ADO.NET, ODBC, JDBC, PDO, and ADO) across varied platforms including .NET, C/C++, Java, Linux, and PHP.

¹The percentage reduction in patching varies and can be less based on the server roles that are enabled and the type of patches that are applied.

Product Features

NOTE: For more information on full features of SQL Server 2012, visit:
<http://www.microsoft.com/sqlserver/en/us/default.aspx>

Additional Features

Insight Control Edition

HP Insight Control is essential server management that enables you to fully utilize the management capability built into your HP ProLiant servers. The unbeatable combination of HP ProLiant with Insight Control delivers the best managed servers in the industry.

DEPLOY and MIGRATE with consistency and reliability using ProLiant servers. Increase deployment speeds by 12X (20 minutes versus 4 hours).

MANAGE. Monitor your entire infrastructure with one simple, integrated interface. Get proactive notifications of impending/actual failures and performance bottlenecks. Reduce unplanned downtime by up to 83%.

OPTIMIZE. Accurately measure and report **energy consumption**, reduce energy usage, and reclaim unused power and cooling resources. Triple the infrastructure capacity of your data center.

CONTROL. Take **remote control** of your servers anywhere and anytime. Reduce your travel costs and improve server recovery times using iLO Advanced software.

INTEGRATE Insight Control directly into HP Operations Center, or with VMware and Microsoft for single-console access to virtual and physical resources.

NOTE: For more information, visit: <http://www.hp.com/go/ice>.

Software Technical Support

Software Technical Support for SQL Server 2012 is available from HP via multiple contact methods, including electronic media and telephone, for ninety (90) days from date of purchase. Software Technical Support includes assistance with:

- **24x7x365 access to technical resources** - Connect with HP Response Center engineers via telephone, electronic communication, or FAX for assistance in resolving software implementation or operations problems. Service is available around the clock every day, including all holidays.
- **Problem analysis and resolution** - HP Services provides corrective support to resolve identifiable and reproducible software product problems, and to help you identify problems that are difficult to reproduce. You can also receive assistance in trouble-shooting problems and setting configuration parameters.
- **Software features and operational support** - HP provides information on the latest product features and known problems and solutions, plus operational advice and assistance.
- **Escalation management** - Established escalation procedures enlist specialized expertise from HP to Microsoft Windows
- **Installation advisory** - Advisory support is available for help with installation and updating of standalone applications or products installed in a network environment.
- **Electronic software information** - Access HP's electronic support facility including symptom-solution database, product descriptions, specifications, technical literature, and more.

Software technical support does NOT include assistance with:

- Generating or diagnosing user generated programs or source codes
 - Installation of non-HP products
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Additional Features

Service and Support

HP Services offers a full portfolio of comprehensive services and cost-saving updates to help you enhance the performance and availability of software from HP and other leading vendors. Services can be configured for Operating System-only support, or can be configured to support the Operating System plus the standard Microsoft Server Applications installed on the server.

- **Standard Support:** Available standard business hours on standard business days, this convenient HP Care Pack service gives your IT team direct access to HP IT Response Centers. Experienced Response Center engineers provide trustworthy advice on issues such as software features and use, problem diagnosis and resolution, and software defect identification. Any member of your IT staff can electronically access essential product and support information.
- **HP 24x7 Software Technical Support** provides comprehensive round-the-clock services and cost-saving updates to help you enhance the performance and availability of software from HP and other leading vendors.
- **HP Support Plus** delivers onsite hardware support and over-the-phone software support 13 hours per day, 5 days per week. Service coverage encompasses HP products and selected multi-vendor hardware and software.
- **HP Support Plus 24** delivers onsite hardware support and over-the-phone software support around-the-clock 365 days per year.
- **HP Proactive 24** delivers onsite hardware support and over-the-phone software support, plus proactive problem identification and solutions recommendation, with remote monitoring, and an assigned account manager to manage the proactive services.
- **HP Critical Service** delivers onsite hardware support and over-the-phone software support, plus proactive problem identification and solutions recommendation, with remote monitoring, and an assigned support team to manage the proactive services. The assigned support team will conduct a pre-assessment of your server environment, working with your IT team to develop a strategy to align the server environment with your business goals. Quarterly assessments will be conducted to ensure ongoing alignment with your goals.
- **HP Installation and Startup Services** helps ensure that your new HP hardware or software is installed smoothly, efficiently, and with minimal disruption of your IT and business operations.

NOTE: For more information, visit HP Care Pack Services at: <http://www.hp.com/services>.

Microsoft Software Assurance

Microsoft Software Assurance (SA) is a way for licensed customers to keep current with the latest, most innovative Microsoft products. Under the SA program, customers acquire the right to access any new release of a product covered in the agreement during the term of the coverage. Software Assurance now also includes more benefits for the same price, including problem resolution support during business hours for covered server products, access to Managed Newsgroups and Online Concierge Chat, and Microsoft's self-paced training courses.

In order to guarantee eligibility for the most current product releases and "upgrade-like" pricing you will need to purchase Software Assurance.

NOTE: For more information, please visit:
<http://www.microsoft.com/licensing/programs/sa/default.aspx>

Additional Features

HP Software Licensing and Management Solutions (SLMS)

HP SLMS provides prime source licensing fulfillment and software license management solutions for various Microsoft operating systems and applications volume licenses to large multinational enterprise or domestic companies. HP provides a global sales channel for all Microsoft program and services and will work with you to select the program that best suits your needs. HP offers three comprehensive Microsoft licensing programs: Open, Select and Enterprise License.

NOTE: For more information on HP SLMS, visit: <http://h71028.www7.hp.com/enterprise/cache/8786-0-0-0-121.aspx>

Windows Server Catalog Definition

Microsoft's certification program allows HP ProLiant servers a compatibility certification with Windows Server operating systems. HP ProLiant Servers listed in the Windows Server Catalog have been rigorously tested and certified with Windows Server 2008 R2.

NOTE: For information on ProLiant servers certified for Windows server, visit: www.hp.com/go/wincert.

NOTE: For details on Microsoft's server catalog and also a list of HP ProLiant certified servers, visit: www.windowsservercatalog.com.

Environment-friendly Products and Approach

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to: <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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