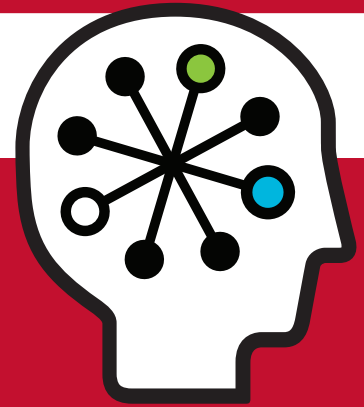




HP Reference Architectures for Oracle Database Standard Edition One

Affordable, full-featured database solutions designed specifically for growing companies



Overview

- Get enterprise-class performance and security with the flexibility to scale as demand increases.
- Accelerate solution deployment with recommended, tested hardware/software configurations.
- Maximize your competitive strength without breaking your budget.

Growing companies that are long on potential but have limited financial resources shouldn't have to compromise their competitiveness with second-rate business technology. Especially when so much of your success depends on fast, efficient processing of information, it's critical to find a database solution that enables you to compete effectively today—and grow in the future—without breaking your budget.

HP and Oracle® understand these unique challenges, and we've worked together to provide an affordable, full-featured database solution designed specifically for growing companies like yours. It combines HP servers and storage with Oracle Database Standard Edition One. And to make it easy for you to choose the right configurations for your particular business, HP has created a set of Reference Architectures,—recommended, tested configurations of HP platforms and Oracle Database Standard Edition One software, providing growing companies with enterprise-class performance and security, simple management, and easy scalability as demand increases.

What are HP Reference Architectures for Oracle Database Standard Edition One?

HP Reference Architectures for Oracle Database Standard Edition One are designed using HP servers running up to two CPUs. With Oracle Database Standard Edition One running on HP servers, you get enterprise-class performance and security with the flexibility to scale as demand increases. Depending on your workload or the number of users supported, you'll find these reference architectures can support up to 500 concurrent users.¹ These configurations also let you use Oracle features such as faster installation

and automated management to accelerate your business and reduce ongoing administrative costs.

With HP Reference Architectures for Oracle Database Standard Edition One, you can:

- Improve quality of service with enterprise-class performance, security, availability, and scalability.
- Run on Windows®, Linux®, and HP-UX operating systems, and easily manage your environment with automated, self-managing capabilities.
- Streamline application development with Oracle Application Express, Oracle SQL Developer, and Oracle Data Access Components for Windows.
- Buy only what you need today and easily add capacity as demand increases.

Maximize the value of your investments with HP servers

HP Reference Architectures for Oracle Database Standard Edition One recommend select HP servers and storage to match your performance, availability, and scalability requirements—and your budget. These servers include:

HP ProLiant ML350—a modular tower server based on the latest Quad- and Dual-Core Intel® Xeon® 5x00 sequence processors, refined with essential availability features to form a versatile, dependable backbone for expanding businesses and dedicated workgroups.

With the HP ProLiant ML350, you get:

- Redundant power, fans, memory and disk options, as well as hot-plug support for universal hard drives and power supplies to keep your business running and simplify upgrades and parts replacement
- Remote management with Lights-Out 2 technology, which allows remote administration from a standard web browser



ProLiant ML350

- Whisper quiet fans, ideal for a small office environment
- Enhanced memory configuration for low-cost memory expansion

HP ProLiant ML370—a dual processor expansion server engineered to deliver industry-leading management, performance, and availability for growing businesses requiring continuous accessibility and uptime. With the HP ProLiant ML370, you get:

- Maximum versatility due to Intel processors with Extended Memory 64 Technology (EM64T), enabling you to migrate from 32-bit to 64-bit operating environments to increase application performance
- High availability because of fully redundant 3+3 fan design, dual processors, and redundant power supplies
- Industry-leading management, including Integrated Lights-Out 2 (iLO2) and Systems Insight Manager that provide total control, maximum flexibility, and tangible cost savings



ProLiant ML370

HP Integrity rx2660—a cost-effective and versatile platform that delivers high rack density and performance per watt, with performance and capacity to handle easily business-critical applications and transactional workloads. With the HP Integrity rx2660, you get:

- Outstanding flexibility to choose the right operating environment for your workload and the right form factor—rack-optimized or pedestal—to match your space requirements
- Powerful, integrated management tools for faster, more efficient server deployment and reduced operational costs
- Extensive high-availability features—including redundant fans, double chip spare memory, redundant power supplies, and error checking and correcting—to safeguard your data, improve application availability, and reduce planned maintenance time
- Improved utilization and continuous service levels thanks to the HP Virtual Server Environment, letting you safely share and balance your server capacity among many different applications



Integrity rx2660

HP StorageWorks solutions for Oracle—Development and testing with Oracle helps ensure that HP StorageWorks solutions perform as you expect. With full control over all your resources—server, network, and storage—using HP OpenView storage software, management of your infrastructure is simplified, increasing productivity and lowering storage maintenance costs. HP storage solutions in Oracle environments help you achieve:

- Greater agility to respond more rapidly to changing business conditions, new opportunities, and competitive threats
- Easier IT management with complete server and storage management from a “single pane of glass”
- Superior scalability with investment protection

- Non-disruptive backup or disaster recovery solutions
- State-of-the-art clone- and snapshot-based data replication capabilities
- Industry-leading performance as measured by TPC-C and TPC-H

Partnering with Oracle is now easier than ever with two new programs:

Oracle’s VAD Remarketer Program—Start Selling Oracle Today. Oracle’s Remarketer Program enables any reseller to begin reselling Oracle technology software immediately through Remarketer Authorized Distributors. Globally, more than 30 distributors signed on to the program and are able to work with any reseller to begin selling Oracle’s mid-size technology programs. For more information on the program please visit www.oracle.com/goto/remarketer

Oracle’s 1-Click Ordering Process—Designed With The Channel In Mind. The 1-Click Ordering Process from Oracle was created primarily to simplify the order submission, booking, and fulfillment process for Oracle’s channel partners. This new channel booking process saves Oracle partners time and money by shortening sales cycles and booking times. For more information on Oracle’s 1-Click ordering process please contact your Oracle representative or visit www.oracle.com/goto/remarketer

Recommended solution configurations

Concurrent Users	Up to 50	50–100	100–200
Processors (sockets)	1	1	2
Memory (GB RAM)	4	6	8

1. Storage options will vary depending on database size.
2. Sizing guidelines are estimates only. Your actual configuration needs may vary depending on workload, processor type, and processor and memory utilization.
3. Contact your local server and storage specialists for assistance or HP North America Solution Centers at 1.800.424.0993.

Find out how HP reference architectures for Oracle Database Standard Edition One can help your growing company compete at an enterprise level with powerful, secure, and affordable database infrastructure solutions. Contact your HP representative today or visit www.hp.com/go/oracle

¹ Based on an OLTP-type workload. Supported transactions will depend on the amount of memory, memory utilization, processor type (single or dual core) and speed and processor utilization.