

HP Reference Configurations for Oracle® 10g Data Warehouses

HP Reference Configurations for Oracle 10g Data Warehouses let you deploy data warehouses more simply and easily than ever before, accelerating your time to intelligence for better, faster business decisions.



Key benefits

- Deploy high performance configurations more simply and easily
- Accelerate your time to intelligence and deliver business results
- Improve operational efficiency and lower your total cost of ownership (TCO)

Business intelligence is business critical

Business intelligence (BI) is a top priority of Chief Information Officers today. Why? Because they recognize that organizations gain a competitive edge by successfully leveraging integrated enterprise business intelligence. This capability helps them better understand customers, streamline their supply chain, and improve financial performance. Enterprise BI systems require larger data warehouses to support them, meaning more data, tables, users, and query complexity.

If you're an IT manager, you're familiar with the challenges of building or upgrading a data warehouse platform that will accommodate your organization's changing needs. Sometimes the product selection and sizing process alone can be as complicated as the BI systems themselves. Designing an appropriate configuration can be time consuming and risky—a delicate balancing of tradeoffs between price, performance, scalability, manageability, and reliability.

That's why HP and Oracle have teamed up to create a portfolio of BI reference configurations designed specifically for speeding up the procurement and deployment cycle for data warehousing. The HP Reference Configurations for Oracle 10g Data Warehousing define optimized, off-the-shelf configurations that combine software, servers, and storage. This modular approach supports a variety of BI workloads and solutions based on the size and growth of your data, and the performance you need to get the answers you require—faster. Just choose the configuration that most closely fits your needs and give yourself the proven advantage of speeding up and simplifying data warehouse design and implementation. With HP and Oracle, your BI infrastructure can grow with you, without limits.

BI (Business Intelligence) and PM (Performance Management) initiatives must be integral to your business strategy and execution to drive maximum value from these initiatives. As such, the related technology and applications must be core to your IT architecture and applications portfolio. —Gartner, Inc., “Gartner’s Business Intelligence and Performance Management Framework,” by B. Hostmann et al., Oct. 9, 2006

Gain IT agility while reducing costs

HP Reference Configurations for Oracle 10g Data Warehousing provide important business benefits.

Deploy high performance configurations more simply and easily

Infrastructure design is a critical aspect of data warehouse performance. Not enough I/O, too few processors (or too many), not enough bandwidth, or unmatched components can result in an inefficient, poorly operating data warehouse—an investment that does not provide the return your organization requires. Make sure your data warehouse is designed correctly before the system is installed and running.

The HP Reference Configurations let you start your design with production proven HP and Oracle deployments. They include the extensive lab and benchmark resources of HP and Oracle, as well as global experience gained supporting thousands of successful data warehouse and business intelligence customers.

Many companies have tried to use transaction-based (OLTP) configuration design criteria for their data warehouse requirements. This method often results in poor performance, usually attributed to insufficient I/O bandwidth. Because the HP Reference Configurations are designed specifically for enterprise data warehouses and data mart implementations, you can expect predictable performance. With confidence in the structure and design of your BI solution, your staff can devote more time to directly supporting the business.

Accelerate your time to intelligence

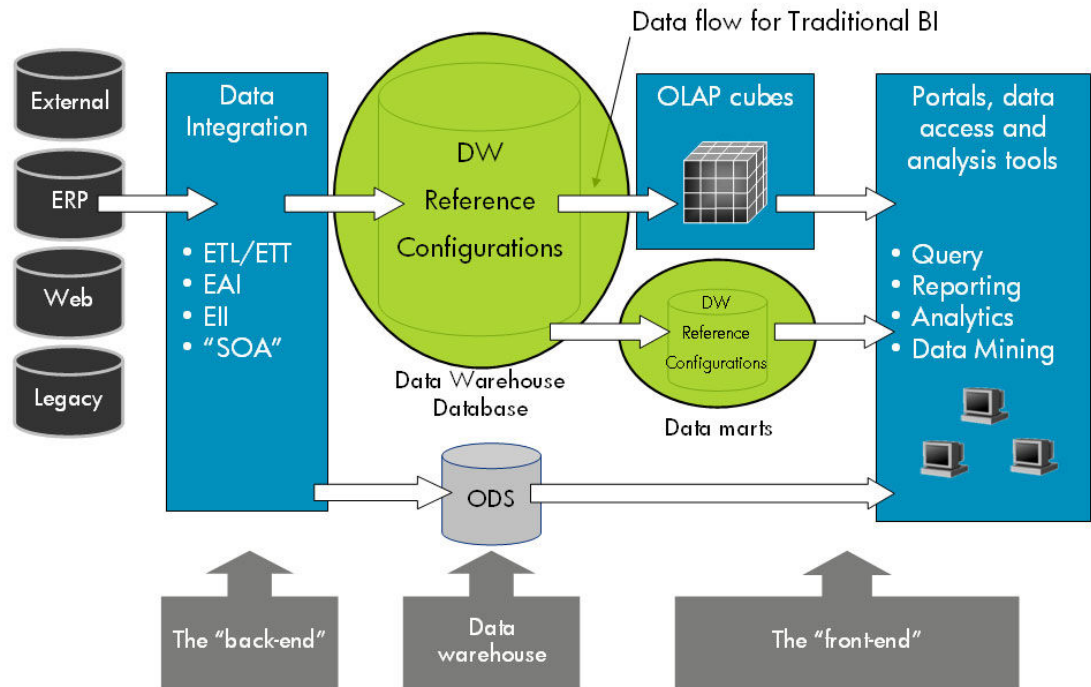
Until now, sizing for next-generation data warehouse platforms involved time-consuming, multi-vendor benchmarking and proof-of-concept exercises. No longer! HP and Oracle offer a selection of baseline configurations in the Oracle 10g family to meet a variety of customer needs. With a range of options, you can compare different architectures and performance options for any given workload. Because HP offers both SMP and clustered server and storage configurations, you can be assured that you will always get a balanced design.

Start with a “best-fit” configuration that matches your baseline data size and performance requirements. Then, optimize your own data loading, reporting, and query profiles. HP works with you to simplify the entire product selection and sizing process and helps you avoid common design pitfalls. With the global resources of two industry leaders in business intelligence, you have the support you need to ensure a successful data warehousing approach.

Invest with confidence

Because the HP Reference Configurations use modular, open standards-based systems that are designed to support a variety of BI workloads, you have optimal flexibility and scalability engineered into your BI infrastructure. Standards-based systems simplify design and procurement and can be repurposed if your requirements change, lowering your data center inventory risk and cost.

Figure 1. Positioning the DW RC in the BI Architecture



World-class components built for business intelligence

The HP Reference Configurations for Oracle 10g Data Warehousing are specifically designed with industry-leading components to deliver balanced power, performance, reliability, and flexibility to meet your business needs.

Oracle 10g Database and Oracle RAC

Building your data warehouse on Oracle is the best way to consolidate and organize all your data so it can be easily managed, accessed, and analyzed. Oracle 10g and 10g RAC both offer record-breaking performance and scalability, low licensing cost options, automated management, industry-leading security and regulatory compliance, and high availability.

HP Integrity and HP ProLiant servers

When it comes to BI data warehouses, choosing the right foundation is crucial. HP Servers easily meet the performance, availability, efficiency, and scalability requirements that enterprise BI demands—a major reason for the #1 industry ranking of HP in server and storage revenue for strategic BI.

HP StorageWorks EVA and HP StorageWorks XP

Whether you're looking for storage subsystems with massive throughput and high performance, or increased utilization and cost savings, HP Reference Configurations include cost-effective, scalable BI storage solutions.

HP Systems Insight Manager (HP SIM)

HP Systems Insight Manager delivers unified server and storage management to provide simple, end-to-end management of your BI ecosystem. Integration with Oracle's data warehouse management tools extends the value of HP SIM to help administrators get up to speed quickly.

The right BI expertise and support with HP Services

HP is offering an assessment service to help you with your Business Intelligence implementation—from discovery to deployment. HP evaluates your current BI application and technology landscape to identify the existing software and hardware environment and pinpoint the areas that offer an opportunity for improvement. Based on best practices and actual usage patterns, HP determines which reference configurations best fit your unique requirements.

HP Services will uncover additional value in your BI project by providing expertise in BI application services and advanced analytics. HP Labs and HP Consulting & Integration work together to deliver valuable insight into supply-chain analytics, customer analytics, and enterprise performance enhancement.

Tip:

For more information on these services, please contact your HP sales representative or visit www.hp.com/hps

Why HP?

Investing in BI can be one of the most critical IT decisions you can make and requires the proper blend of hardware, software, management, storage, services, and support. Plus, as one of the fastest-growing IT initiatives, BI will only continue to evolve. Choose the right HP Reference Configuration for Oracle 10g Data Warehousing to optimize your BI infrastructure and deliver the power of business intelligence throughout the enterprise. Be sure to ask your sales representative about HP Solution Centers and the HP/Oracle Competency Center.

Tip:

To learn more, visit www.hp.com/go/bi or <http://www.oracle.com/features/hp/data-warehousing.html>

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