WHY ORACLE CLOUD INFRASTRUCTURE?

Oracle Cloud Infrastructure combines the elasticity and utility of the public cloud with the granular control, security, and predictable performance of traditional on-premises infrastructure.

Here are four ways you can use Oracle Cloud Infrastructure:

1. **WEB APPLICATION HOSTING**
   
   **Challenges:**
   - Low utilization of on-prem hardware and data center resources
   - Right-sizing infrastructure for the lifecycle of the purchase
   - Unpredictable traffic patterns for web apps
   
   **How Oracle Cloud Infrastructure can help**
   Move all the tiers of multi-tier applications, including the database, to the cloud without re-architecting networking and storage. Improve availability and reliability with simple multi-site and multi-region options. Operate your full existing stack, including your most demanding applications, alongside new cloud-native apps on a cost-effective cloud designed for the enterprise.

2. **HIGH-PERFORMANCE COMPUTING IN THE CLOUD**

   **Challenge:**
   Multi-tenant public clouds aren’t designed for HPC workloads and don’t deliver adequate performance.

   **How Oracle Cloud Infrastructure can help**
   We’re the only cloud that’s available in a single-tenant model with no hypervisor overhead and no noisy neighbors. Spin up bare metal compute instances in minutes and scale-out efficiently over our 25 Gbps network on the cloud with the highest per-instance core count.

3. **BIG DATA WORKLOADS**

   **Challenge:**
   Exponential growth in the volume, velocity, variety, and complexity of data.

   **How Oracle Cloud Infrastructure can help**
   Scale your infrastructure to build any Big Data application, integrate with popular frameworks like Apache Spark, and support any volume of data – up to hundreds of thousands of transactions per second. You can also scale your compute and storage independently to lower costs.

4. **TRADITIONAL DATABASE APPLICATIONS**

   **Challenge:**
   Many enterprise applications require Oracle Database as part of their critical infrastructure. But maximizing the performance, security, and availability of these key databases requires specialized expertise.

   **How Oracle Cloud Infrastructure can help**
   At Oracle, we have that expertise. We use hardware that offers millions of operations a second, support best-practice processes to optimize your database workloads, and offer unique capabilities, including Real Application Cluster (RAC), for true enterprise-level high availability.

GET THE TECHNICAL PAPER

Read the technical paper for more detailed use cases and the benefits of Oracle Cloud Infrastructure.