

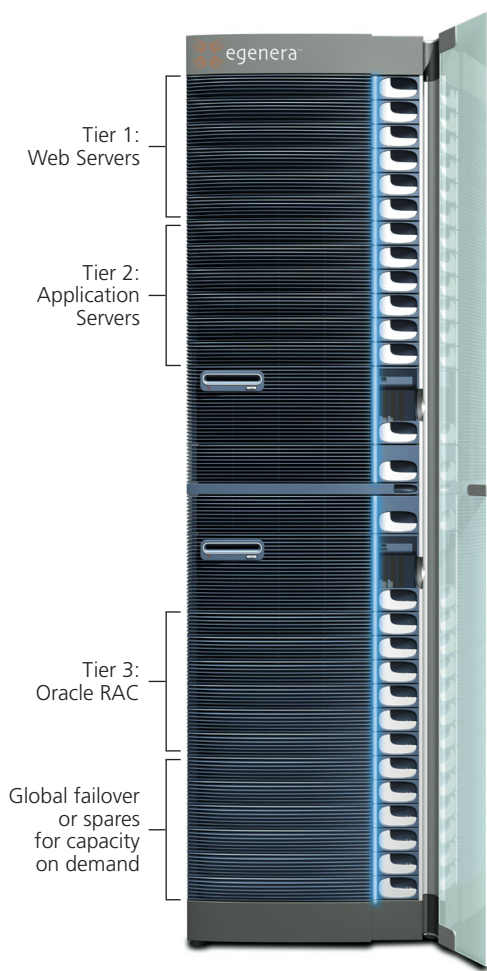


BladeFrame[®]

Oracle Database with Real Application Clusters (RAC)

Specifically designed for mission-critical clustered applications such as databases, application servers and transaction processing, the BladeFrame provides an ideal computing platform for Oracle RAC. The Egenera system's unique Processing Area Network (PAN) architecture—which combines processing, networking and software-based resource virtualization in a single chassis—delivers virtually instantaneous failover and the potential for unprecedented database scalability. For customers seeking to cost-effectively ensure database performance, the BladeFrame combined with Oracle RAC provides the ideal solution.

The BladeFrame provides quantifiable advantages to an Oracle RAC deployment in the areas of scalability, performance, high availability, total cost of ownership and manageability.



Scalability

The BladeFrame delivers absolute scalability from two to 24 nodes—without shutting down or deploying additional hardware—in a single system managed entirely through software. Moreover, customers can mix and match Egenera Processing Blade™ resources to optimize the CPU capacity allocated to individual applications.

Performance

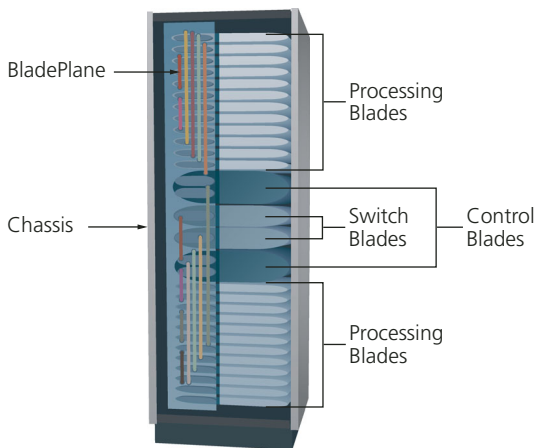
The BladeFrame system combines redundant, high-speed, low-latency interconnects (Egenera BladePlane™) with super-efficient network drivers to speed data exchange among the virtual servers in a cluster. These ultra-fast connections mean notable performance improvements for the Oracle RAC Cache Fusion architecture versus standard Ethernet-based clusters.

High Availability (HA)

In the event of a failure, Oracle RAC helps ensure that transaction processing continues by transferring the failed node's workload to another server in the cluster. With no single point of failure and inherent N+1 failover, the BladeFrame complements these capabilities by automatically re-establishing a failed database instance on a backup resource. For a three-node cluster, this means that capacity is restored from 66 to 100 percent in minutes, not hours, and without user intervention.

Total Cost of Ownership (TCO)

By eliminating the redundant hardware and HA software associated with traditional database systems—and transforming legacy networking gear into software through virtualization—the BladeFrame lowers total cost of ownership by 50 percent compared to RISC systems running non-clustered databases. Moreover, Egenera enables customers to take advantage of the rapidly accelerating x86 price/performance curve.



This rear-view image shows how the BladePlane internalizes inter-nodal communication to speed data exchange among the virtual servers in an Oracle RAC cluster.

Manageability

Through software-based resource allocation, the BladeFrame enables a system administrator to add or remove virtual servers from a cluster on-the-fly, a process that is both time-consuming and disruptive with legacy platforms. Egenera PAN Manager™ software, which virtualizes 80 percent of server hardware components, replaces error-prone, physical activities with point-and-click or scripted commands to speed deployment, lower management costs and eliminate the need for complex clustering software.

Learn More

You can download a variety of white papers on combined Egenera and Oracle solutions by visiting <http://www.egenera.com/whitepap.php>.

The Egenera BladeFrame System

For the most sophisticated and dynamic enterprises on the planet—that have built up complex, static and underutilized IT infrastructures that stifle business agility—the Egenera® BladeFrame® system radically simplifies the datacenter and reduces operational complexity to support a highly responsive business. Unlike legacy vendors, Egenera has produced a new server architecture—proven in mission-critical environments—that unlocks the power of the data-center, allowing customers to scale, increase performance, virtually provision workloads, and attach to networks and storage more efficiently.

Customers around the world are simplifying datacenter computing with the BladeFrame system to create highly available, scalable and responsive environments that deliver on the promise of utility computing: any application, any resource, any time, automatically.



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