

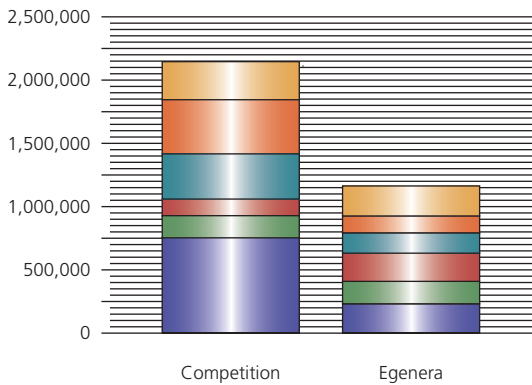


# BladeFrame<sup>®</sup>

SAP<sup>™</sup> and SAP NetWeaver<sup>™</sup>

Running SAP applications and the SAP NetWeaver platform on the Egenera BladeFrame system, with its Processing Area Network (PAN) architecture, can dramatically reduce complexity in the datacenter and increase top- and bottom-line benefits for the business. The complementary capabilities of these world-class solutions maximize the availability, manageability, scalability and performance of mission-critical applications. As a result, the Egenera BladeFrame system's seamless integration with SAP NetWeaver enables fast, flexible deployment of new services and is the ideal platform for SAP Enterprise Service Oriented Architecture implementations.

**TCO Analysis:**  
**Running SAP on Egenera versus the Competition**  
 (in dollars)



- OpX Hardware/Software
- OpX Infrastructure
- OpX Labor
- Software
- CapX Infrastructure
- CapX Server

## Business Value

Compared to traditionally architected servers, the Egenera BladeFrame would save up to 50 percent in total costs over a three-year period with substantial top-line benefits for SAP installations.

### Bottom-line Benefits: Lower TCO

- **Hardware and Software Costs:** Up to 70 percent savings on capital and maintenance costs
- **Labor Costs:** Reduces labor costs for configuration and ongoing support by up to 80 percent

### Top-line Benefits

- **Agility and Flexibility:** Aligns adaptive environment resources to match business needs quickly and easily
- **Time to Market:** Reduces average time from procurement to fully provisioned hardware from 30-plus days to minutes
- **Application Response Time:** Yields high-speed application data transfers and network-intensive communication between servers
- **Availability:** Limits infrastructure downtime to minutes (compared to hours)
- **Simplicity:** Reduces the number of compute and network resources by more than 70 percent

	SAP NetWeaver Application Characteristics	Complementary PAN Architecture Features
Availability	Traditional hardware platforms running SAP applications require a 1:1 high availability failover ratio	Egenera PAN architecture pools high availability resources and provides out-of-the-box, automatic hardware failover
Manageability	SAP hardware deployments support large, mission-critical, enterprise business operations	Egenera PAN Manager <sup>™</sup> software provides a single point of control for the hardware infrastructure that runs SAP applications
Scalability	SAP NetWeaver and its adaptive computing capabilities enable horizontal scaling of SAP applications	PAN Manager dynamically assigns pooled resources to SAP application services based on user demand
Performance	Network-intensive transactions between SAP application modules	High-speed fabric creates better performance than Gigabit Ethernet networks when performing application data transfers

# SAP and SAP NetWeaver

## Egenera PAN Architecture

Egenera's PAN architecture enables utility computing by providing a pool of stateless processing nodes (Egenera Processing Blade™ modules) connected via a high-speed, low-latency fabric. These processing nodes contain no disk drives, network interface cards or host bus adapters: nothing that would give the server a specific identity or state. Instead, all points of state and identity have been moved to the fabric switch, enabling virtualization of both servers and connecting datacenter infrastructure.

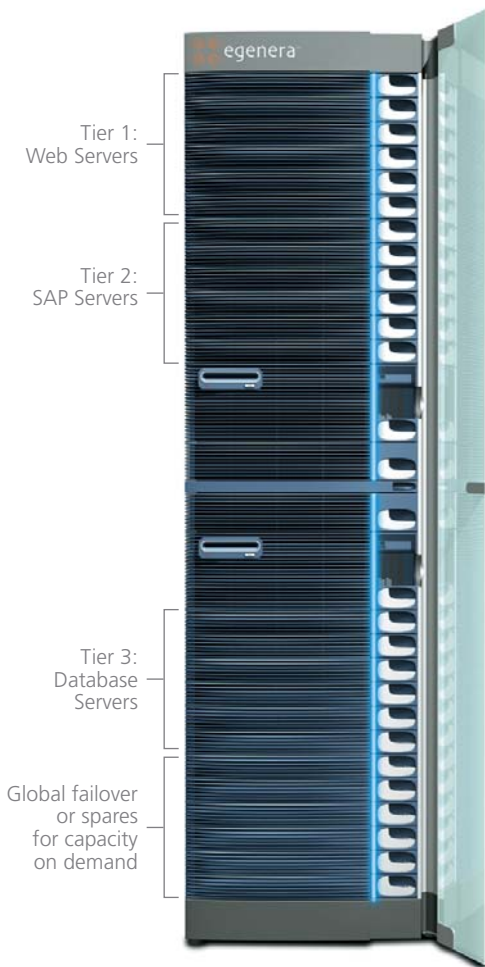
Since the switch is controlling stateless servers, the intelligence built into it can deliver a true utility-based compute platform, seamlessly providing for:

- Failover of servers, delivering high availability to every application
- Disaster recovery to multiple datacenters
- Automated load balancing
- Rapid scale up, scale down, configuration and reconfiguration of servers
- Consolidation of servers and I/O connectivity

In addition, a seamless integration with the SAP Adaptive Computing Controller (ACC) allows dynamic allocation of SAP application services to the Egenera BladeFrame virtual servers, providing both application and infrastructure virtualization.

## The SAP/Egenera Alliance

Egenera is an SAP Global Technology Partner, a distinction reserved for leading technology companies with significant market share in their industries. Egenera has achieved hardware certification by SAP AG to run SAP solutions on the Egenera BladeFrame system. This hardware certification assures customers that SAP applications have been rigorously tested on the Egenera BladeFrame. In addition, Egenera has been granted the SAP Adaptive Computing Compliance certificate. Both companies have also entered into an alliance that includes ongoing technology certification, cooperative customer support and go-to-market initiatives.



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