



Sun Java System Application Server Topologias

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Topologías y Arquitecturas de despliegue

Sample Topology

- 2 WS machines
- 2 AS machines
- 8 AS instances
- 2 AS clusters

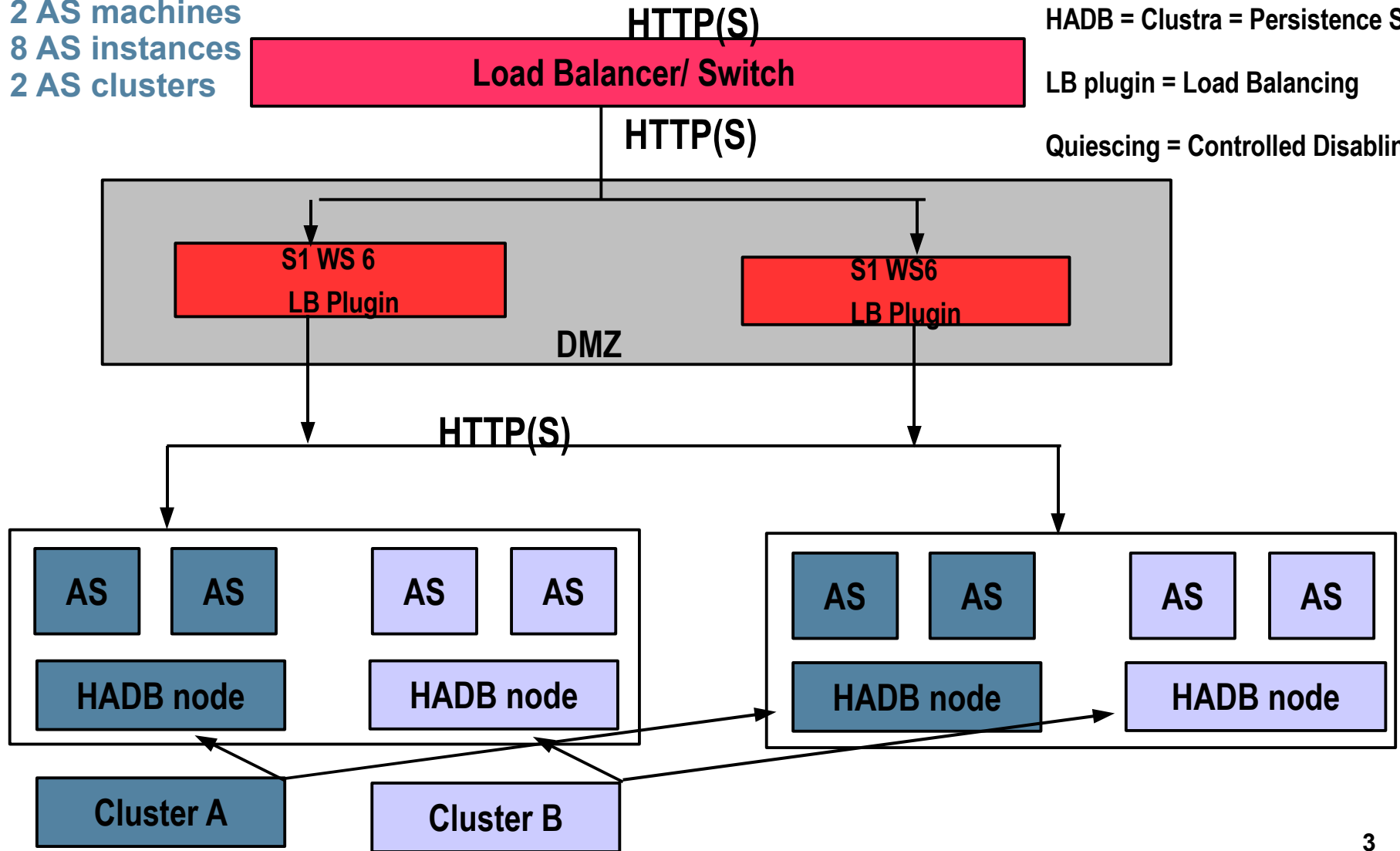
AS Instance = JVM

Cluster = Instances Logical grouping

HADB = Clustra = Persistence Store

LB plugin = Load Balancing

Quiescing = Controlled Disabling



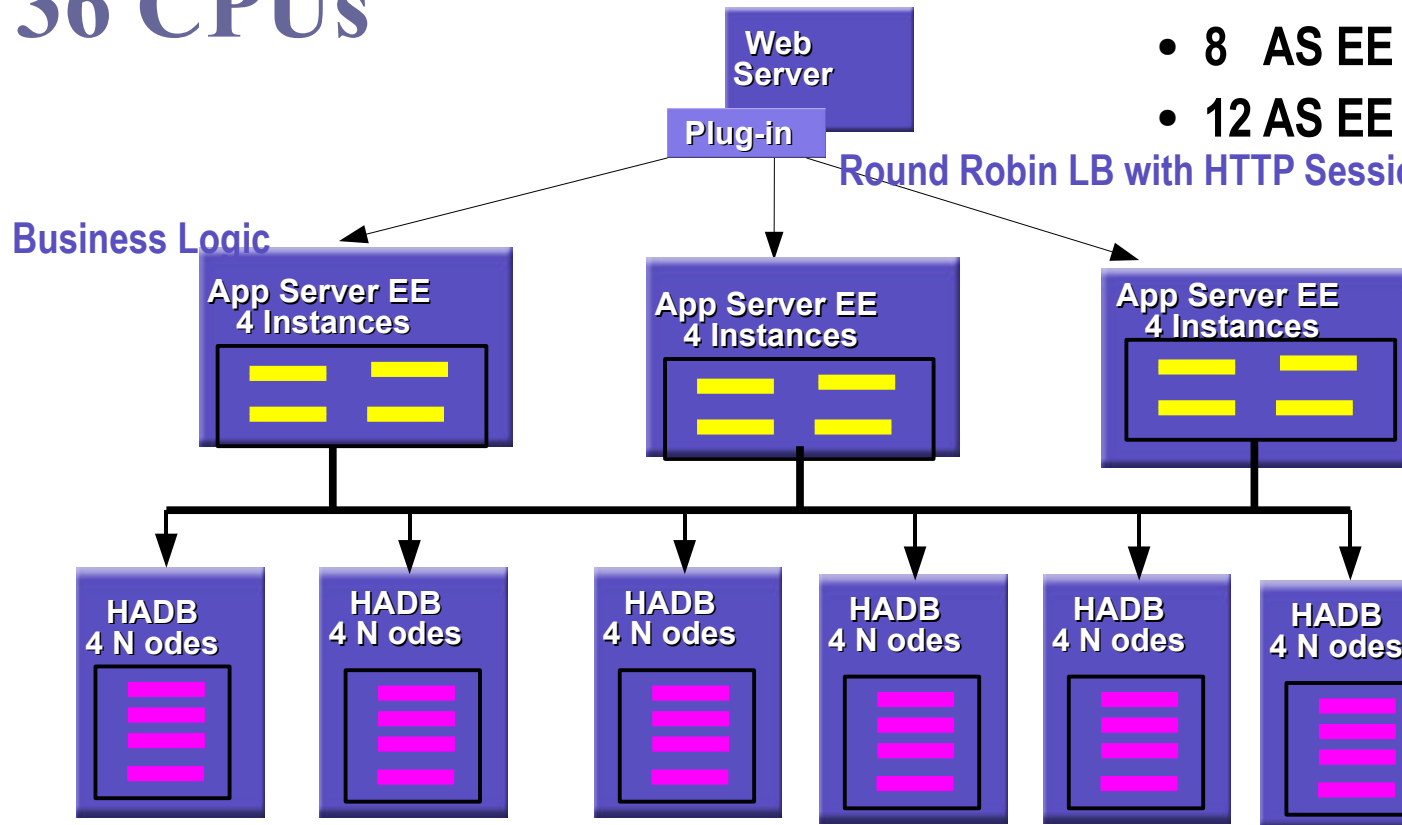
HA Scalability

Test Environment

36 CPUs

Scalability:

- 1 AS EE 7 instance: 100%
- 8 AS EE 7 instances: 78%
- 12 AS EE 7 instances: 77%



E4500 (1G RAM per CPU
400MHz Ultra Sparc II)

12 App. Server Instances

8 CPU's Per Server x 3 =

24 CPU's

280R (2G RAM per CPU
1GHz Ultra Sparc III)

24 HADB Nodes

2 CPU's Per Server x 6 =

12 CPU's

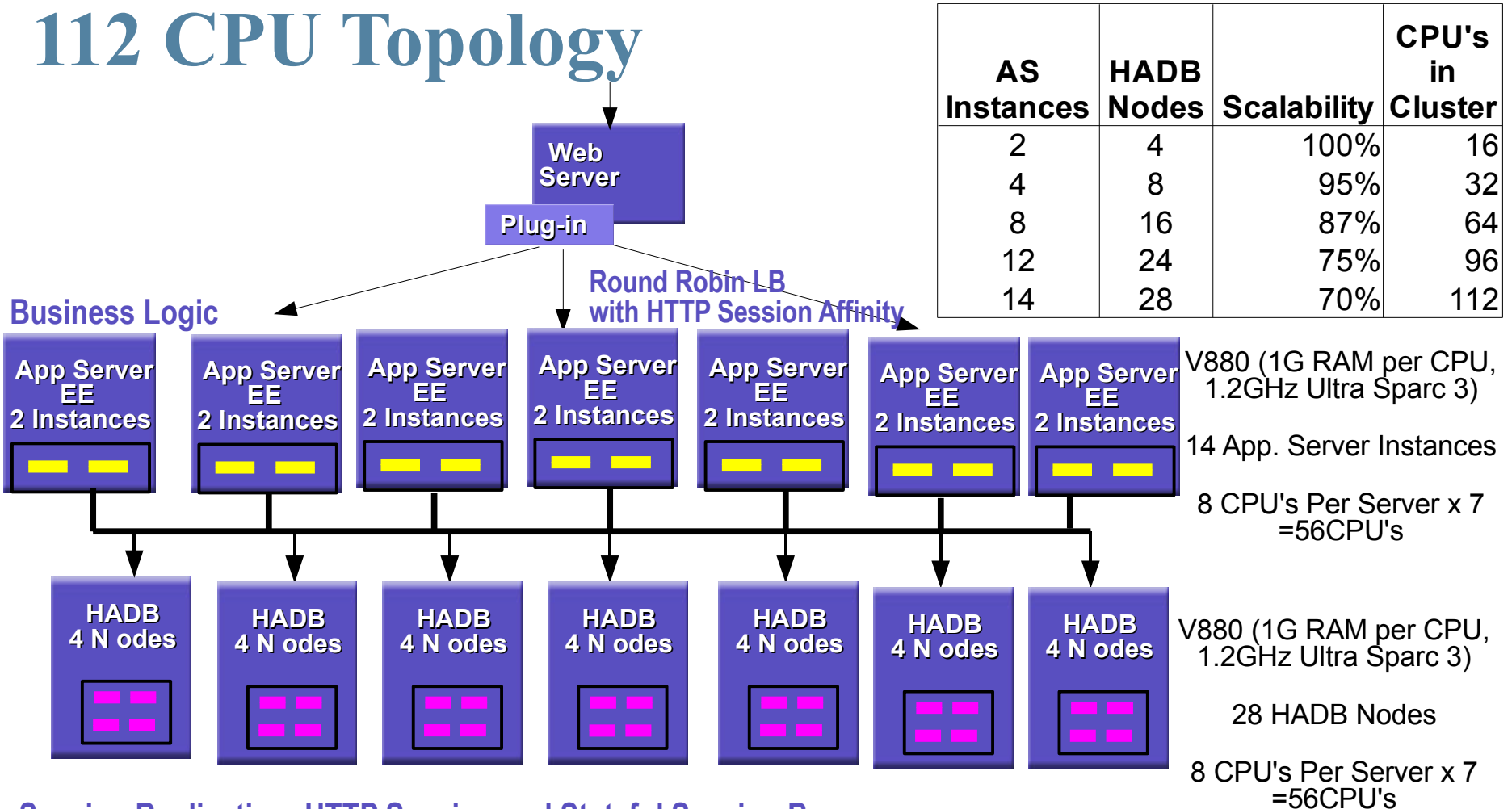
- **Near linear scalability across 36 processors**

- **\$0 per CPU's in the HADB tier**

36 CPU's

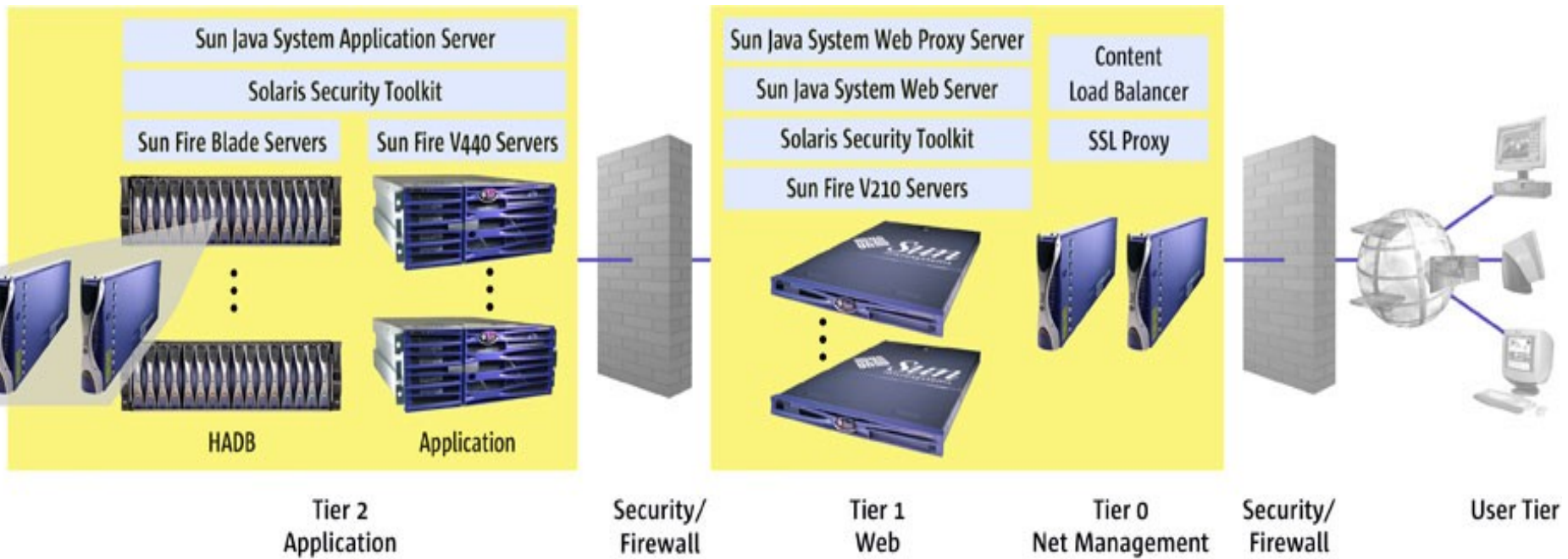
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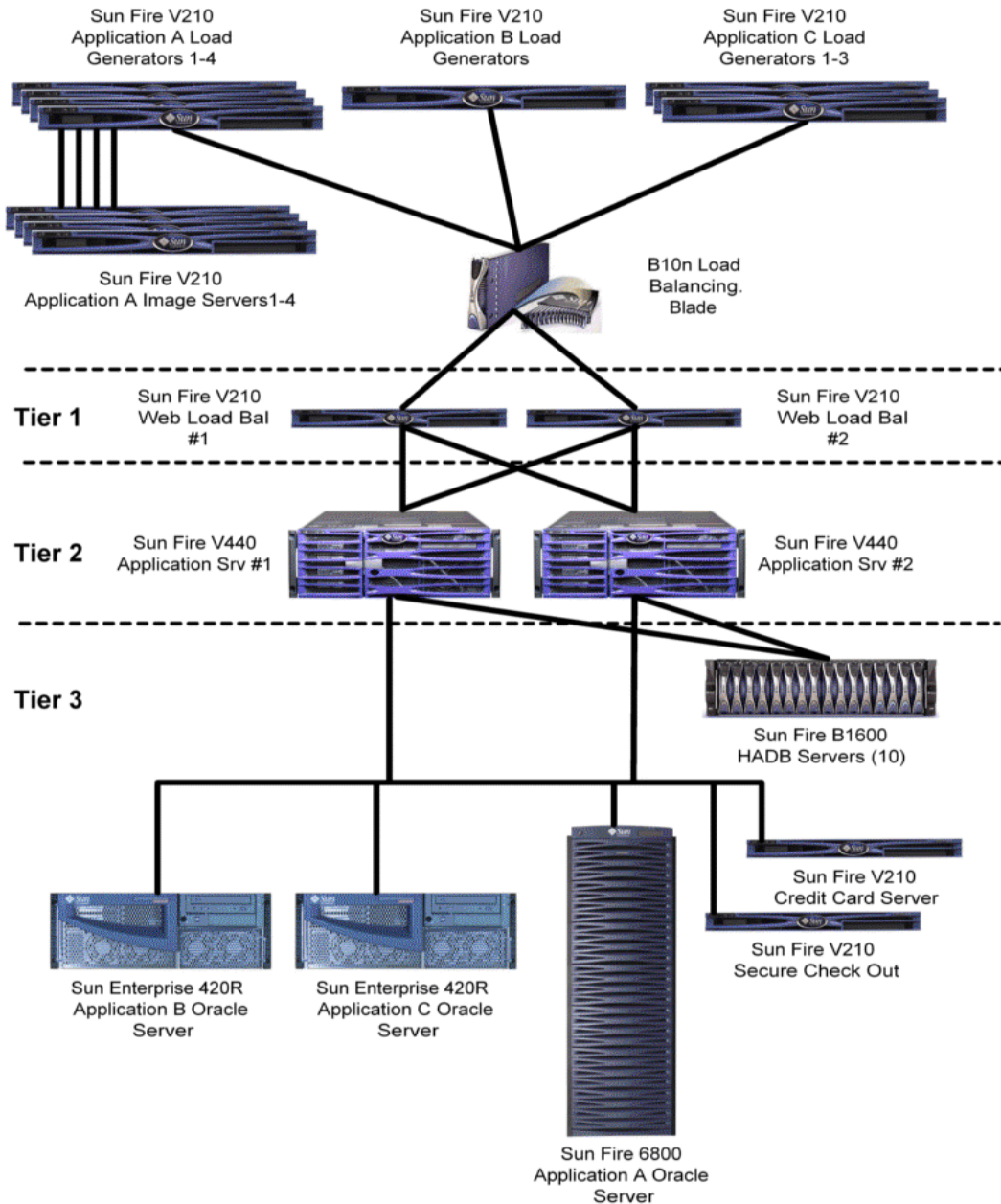
HA Scalability: 112 CPU Topology



Session Replication: HTTP Session and Stateful Session Beans

Sun Reference Architecture for Highly Available Application Services





Reference Architecture Sizing Topology

Gracias

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