

# Cloud Technology Architecture Design Patterns and Mechanisms Mapping Reference Matrix

X - design pattern is commonly associated with mechanism

	Cross-Storage Device Vertical Tiering	Direct I/O Access	Direct LUN Access	Dynamic Data Normalization	Dynamic Failure Detection and Recovery	Elastic Disk Provisioning	Elastic Network Capacity	Elastic Resource Capacity	Hypervisor Clustering	Intra-Storage Device Vertical Tiering	Load Balanced Virtual Server Instances	Persistent Virtual Switches	Redundant Physical Configurations	Redundant Connection for VS	Service Load Balancing	Storage Maintenance Window	Storage Workload Management	Synchronized Operating State	Zero Downtime
Audit Monitor	X				X											X		X	
Automated Scaling Listener	X					X	X		X	X						X			
Cloud Storage Device	X		X	X		X			X				X		X	X	X	X	X
Cloud Usage Monitor	X	X	X		X	X	X	X	X	X	X	X		X		X			X
Failover System					X							X	X		X		X	X	X
Hypervisor		X	X			X	X	X	X		X	X	X	X				X	X
Load Balancer										X	X			X		X			
Logical Network Perimeter		X				X		X		X	X	X	X				X		X
Pay-Per-Use Monitor	X	X	X			X	X	X											
Resource Cluster								X		X				X					X
Resource Replication		X	X			X	X	X	X		X	X	X	X	X	X		X	X
SLA Management System					X														
SLA Monitor					X														
State Management Database																		X	
Virtual Server		X	X			X	X	X	X		X	X	X	X				X	X

The Isolated Trust Boundary pattern is intentionally excluded from this matrix.

