

Cloud Technology Architecture Compound Design Patterns Mapping Reference Matrix

X - required design pattern
O - optional design pattern

	Automated Administration	Bare-Metal Provisioning	Broad Access	Centralized Remote Administration	Dynamic Scalability	Elastic Environment	Multipath Resource Access	Multitenant Environment	Non-Disruptive Service Relocation	Pay-as-You-Go	Platform Provisioning	Rapid Provisioning	Realtime Resource Availability	Resilient Environment	Resource Management	Resource Pooling	Resource Reservation	Self-Provisioning	Service State Management	Shared Resources	Usage Monitoring	Workload Distribution
Private Cloud	X	O	X	X	X		X	O	O		X	X	X	X	X		X		X	X	X	
Public Cloud	X	O	X	X	X		X	O	X		X	X	X	X	X	O	X		X	X	X	
Infrastructure-as-a-Service	X	O	X	X	X		X	X	X		X	X		X	X		X		X	X	X	
Platform-as-a-Service	X		X	X	X			X	O	X	X	X		X	X	O	X	X	X	X	X	X
Software-as-a-Service	X		X	X	X			X	O	X		X	X	X		O	X	O	X	X	X	X

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

