

On-premises/hosted vs. multi-tenant cloud

Stay resilient in the 2020s with multi-tenant cloud

Scalability and resiliency. Continuous innovation. Lower total cost of ownership. Faster time to value.

1

Scalability and resiliency

On-premises/hosted

Scalability has to be manually configured for various workloads, usually resulting in oversizing

Requires static sizing of hardware, which results in under utilization of hardware during low volume and performance issues during peak volumes

Static sizing results in higher cost as IT is always trying to adopt to business needs

Manual failover and resilient infrastructure



Multi-tenant cloud

Auto-scaling functionality within cloud applications supports automatic scaling for various workloads

Modern product architecture supports highly elastic applications to scale up/down automatically based on workload

Elastic architecture provides highly efficient and lower cost solution compared to other deployment methods

Takes advantage of on-demand cloud platforms with high-availability zones to provide resiliency

2

Continuous innovation

On-premises/hosted

Requires manual software updates and thus lags behind in versions

New features can only be available when deployment is upgraded to latest release

Expensive as frequent software upgrades, testing and validation are time and resource intensive



Multi-tenant cloud

Automated product updates at regular cadence are done either with zero or near zero downtime

New features can be previewed with feature toggle on/off switches giving control to customers

Zero cost upgrade for customers with subscription services that do upgrades on a regular cadence

3

Lower cost of ownership

On-premises/hosted

Hardware costs are high as hosted applications are not elastic and have to be sized for peak performance

Security costs higher as customer is responsible for managing their own security infrastructure and resources

Minor cost reductions in operational costs from on-premises deployment as majority of activities require manual processes



Multi-tenant cloud

Modern product architecture supports highly elastic applications reducing hardware costs significantly

Security costs are lower compared to on-premises; recommend MT cloud service providers will have put best practices in place for addressing multiple levels of security

Significant reduction in operational cost such as performance optimization, monitoring, patching, upgrades integrations, testing, etc.

4

Faster time to value

On-premises/hosted

Application installation is lengthy due to hardware and software version dependencies

Hardware and software failures need to be managed as hosting does not provide automated data replications across availability zones and regions

Manual failover and resilient infrastructure



Multi-tenant cloud

Automated provisioning gets applications up and running very quickly without hardware and software concerns

Failures are automatically taken care by on-demand cloud platform availability zones and replication

Significant reduction in unplanned application downtime due to resilient infrastructure; increased uptime directly translates into higher productivity

Security and compliance

BEST-IN-CLASS MT CLOUD CHARACTERISTICS

- Physical security

World-class physical facilities

- Network security

Security through separation of duties and layered defense architecture

- Operations security

Data encryption at rest and in-transit, centralized secured certificate management, least privilege authorization model

- Application security

OWASP threat analysis and remediation, vulnerability and penetration testing, security best practices as part of development cycle

- Policies and processes

ISO 27001, NIST 800-53 standards, SSAE18 Assessments, SOC report published annually for review

- Monitoring and management

Dynamic password management, immutable SIEM collection and analysis, ITIL based incident, problem and change management processes

MULTI-TENANT CLOUD

Modern architecture



Prepackaged content for business processes integrations, BI, analytics, etc. available as implementation accelerators



Integrations to other applications regardless of their deployment supported via iPaaS platform



Highly scalable and elastic data management platform with data lake repository



Extensions to standard software can be created via industry standard PaaS platform



Cloud-based analytics, artificial intelligence, and data-driven applications available

Learn more about how the cloud enables resilience

Discover how moving to the cloud can help your organization stay agile, be adaptive, and serve guests in the 2020s and beyond.

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