CBTS Managed Microsoft Azure

Migrating existing applications to the public cloud requires an in-depth understanding of the platform, its capabilities and how to leverage the interconnected services to truly take advantage of the efficiencies that can be realized.

Developing cloud-native applications specifically built for Azure can lead to further advantages if the infrastructure design is configured to meet the needs of the application, function, or transaction. Additionally, designing applications for serverless computing will drive down costs, empower infrastructure as code, and have elastic high availability built into the environment.

CBTS is a Gold Microsoft Partner certified as a Cloud Service Provider (CSP) that has deployed thousands of workloads onto Azure based on varying use case scenarios. Depending on whether we are refactoring the applications or simply doing a lift and shift, our certified experts are here to help. As a CSP, CBTS is able to provide our customers with an end-to-end managed Microsoft cloud experience, and provide value-added guidance to our customers with support, billing, and advice.

We provide up-front assessment services of your current environment, and will make recommendations on individual applications and workloads to match the right configuration for each to realize your business potential. In addition CBTS will provide all ongoing monitoring and management of the environment, and will ensure the environment is right-sized for the optimal outcome.

Security is paramount

Moving to the cloud can increase complexities for security if you don't get the design right from the beginning. In fact, you could be adding risk to your enterprise if you choose to go it alone. CBTS has a set standard of best practices for success-based architecture that is rooted in five pillars of a foundational review which include:

- Operational excellence.
- Performance efficiency.
- Security.
- Cost optimization.
- Reliability.

Multiple tiers of management options

Each enterprise organization is on a unique journey to the cloud and CBTS understands that each application environment requires a different level of criticality and performance.

With that in mind we offer three tiers of Azure design configuration that starts with basic compute, storage, networking, databases, and management, and advances to security, compliance, automation, and developer tools for continuous integration and continuous deployment.

	Tier 1	Tier 2	Tier 3
Basic Compute Instances Virtual Machines, Dedicated Hosts	✓	✓	✓
Networking Azure VPN Gateway, Azure DNS, Azure ExpressRoute, Azure Bastion, Virtual Network	✓	✓	✓
Storage Archive Storage, Azure VM Backup—Recovery Vault, Azure Files, Azure—Storage Accounts, Blob Storage, Managed Disks, Queue Storage	✓	✓	✓
Databases Azure Database for MariaDB, Azure Database for MySQL, Azure Database for PostgreSQL, Azure SQL Database	✓	✓	✓
Backup Azure Backup	✓	✓	✓
Security, Identity, and Compliance Azure Active Directory, Azure Information Protection, Azure Active Directory Domain Services, Azure Active Directory B2C	✓	✓	✓
Management and Governance Azure Advisor, Azure Policy	✓	✓	✓
Compute—Advanced API Apps, App Service, Azure Functions, Azure Kubernetes Services, Cloud Services, Container Instances, Container Registry, Virtual Machine Scale Sets, VMware Solution by CloudSimple, Web Apps, Windows Virtual Desktop		✓	✓
Storage—Advanced NetApp		✓	✓
Databases Azure Database for MariaDB, Azure Database for PostgreSQL, Azure SQL Database, SQL Server—on Virtual Machines, SQL Server—Database Edge		✓	✓
Networking and Content Delivery Application Gateway, Azure Firewall, Azure Front Door, Content Delivery Network, Load Balancer, Network Watcher, Traffic Manager		✓	✓
Security, Identity, and Compliance Application Gateway, Azure DDoS Protection, Azure Dedicated HSM, Key Vault, Security Center, VPN Gateway		✓	✓
Management and Governance Azure Cost Management, Azure Audit Trails		✓	✓
Developer Tools App Configuration PR, Azure Boards, Azure Artifacts, Azure DevOps, Azure DevTest Labs, Azure Lab Services, Azure Monitor, Azure Pipelines, Azure Repo, Developer tool integrations, SDKs, Azure Test Plans			✓
Environment Integration Azure Event Grid, API Management, Logic Apps, Service Bus			✓
Management and Governance Automation, Azure Blueprints, Azure Lighthouse, Azure Managed Applications, Azure Migrate, Azure mobile app, Azure Monitor, Azure Resource Manager, Azure Service Health, Cloud Shell, Azure Site Recovery, Microsoft Azure portal, Network Watcher, Scheduler, Traffic Manager			✓

As your trusted partner, CBTS will provide critical guidance on the design, migration and ongoing configuration management of your Microsoft Azure public cloud environment.

Based on our three tier model you can rest assured that the right workload will be configured to meet your specific business outcomes and objectives.

Reduce your risk, improve performance, and drive cost efficiencies by leveraging the certified expertise that CBTS can bring to the table.

Let's talk today! Contact us at **cbts.com**