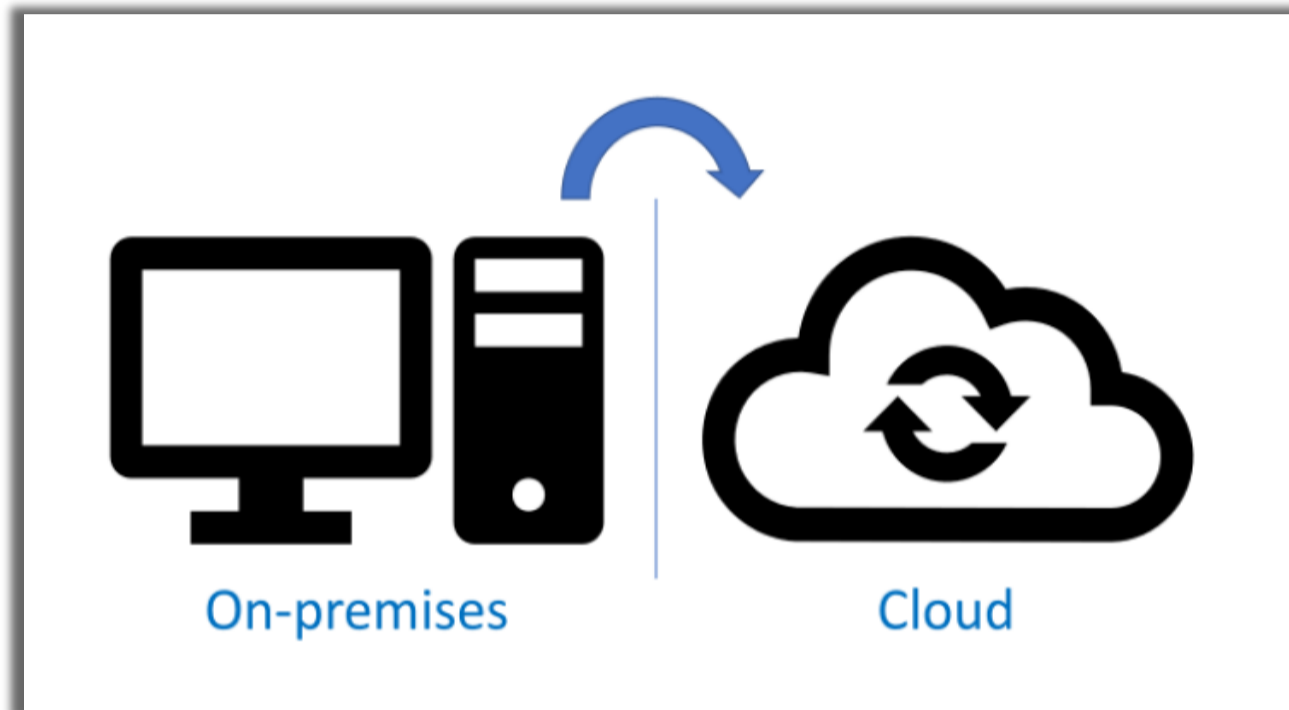


# Modernization: Migrating from On-Prem to Azure Cloud!



Azure, a top cloud provider, offers benefits like technology upgrades, secure global connectivity, and scalable growth. Regardless of your company's size, transitioning to the cloud provides significant advantages for your business.



## Why Migrating On-Premise to Azure Cloud?

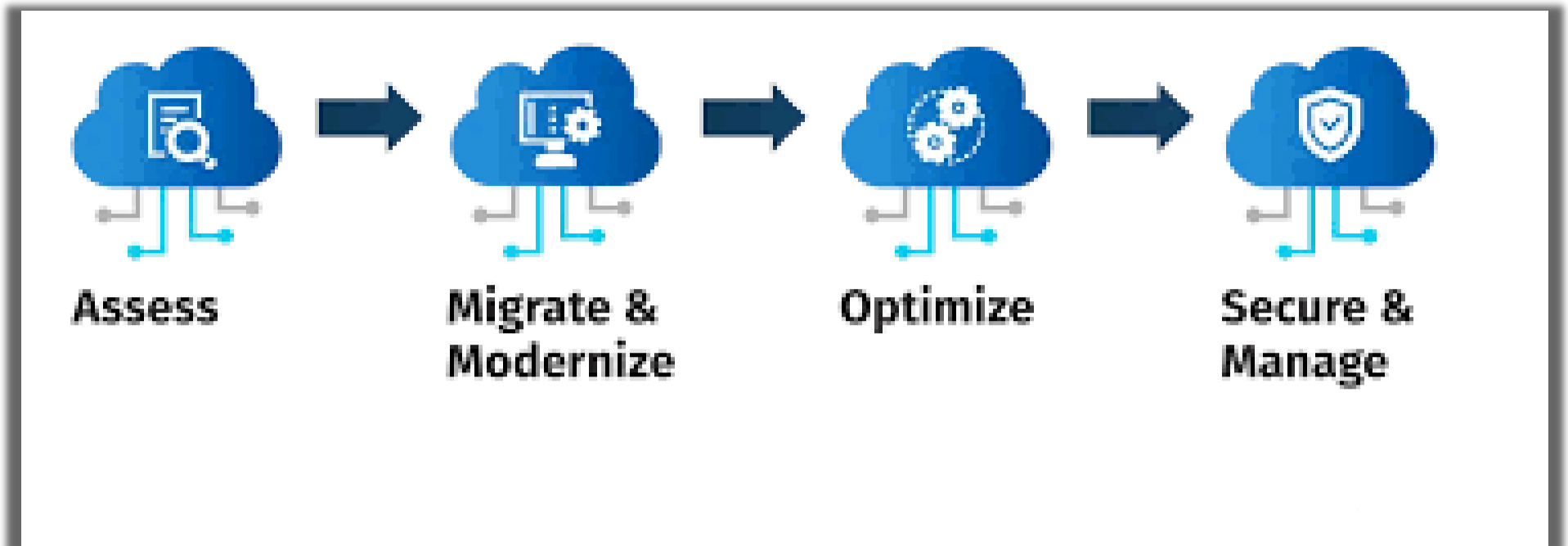
Migrating to Azure Cloud offers many benefits:

- **Scalability:** Azure lets you easily adjust resources to match your needs. It can handle increased demand without requiring more physical hardware.
- **Reliability** and Disaster Recovery: Azure ensures your business stays up and running. Its global network of data centers means your data is backed up and available even if one location goes down.
- **Innovation:** Azure is always updating with new features and services, allowing you to stay competitive and innovative in your industry.
- **Agility:** Azure's migration tools facilitate quick and easy migration, enabling organizations to realize long-term value faster.
- **Compliance:** Azure offers over 90 compliance certifications, ensuring adherence to regulatory standards across various industries.
- **Seamless Integration:** Azure seamlessly integrates with existing products and tools, offering cost-effective solutions and enabling easy adjustment and optimization of usage over time.

Overall, moving to Azure Cloud helps save money, handle growth, keep your data safe, and stay ahead with the latest technology.

# On-Premises to Azure: Preparing for Migration

Azure recommends dividing the migration into four key steps, which includes the following:



## Assess:

- Evaluate your current on-premise infrastructure, including hardware, software, and data.
- Identify dependencies and interdependencies between different systems and applications.
- Determine the suitability of workloads for migration based on factors like complexity, compliance and performance requirements.
- Assess potential risks and challenges associated with the migration process.

## Migrate:

- Choose appropriate migration methods such as lift and shift, re-platforming, or re-architecting based on assessment findings.
- Develop a migration plan outlining timelines, resource allocation, and communication strategies.
- Execute the migration process in a phased approach, starting with less critical workloads.
- Monitor and troubleshoot migration activities to ensure minimal disruption to business operations.

## Optimize:

- Continuously optimize resource utilization and performance post-migration by leveraging Azure monitoring and management tools.
- Implement cost optimization strategies such as rightsizing virtual machines and utilizing reserved instances.
- Fine-tune configurations and architectures to take advantage of Azure's scalability and flexibility
- Regularly review and refine your optimization strategies to align with evolving business needs and technological advancements.

## Secure and Manage:

- Implement robust security measures such as network security groups, identity and access management and encryption to protect data and applications in Azure.
- Establish governance policies and procedures for managing Azure resources, including access controls, compliance standards, and auditing requirements.
- Continuously monitor and analyze security threats and vulnerabilities using Azure Security Center and other monitoring tools.
- Implement automated management and compliance solutions to streamline administrative tasks and ensure adherence to regulatory requirements.

## Conclusion:

Through a structured and tailored approach, these steps guides through the migration from on-premise to the Azure cloud and fulfill the business needs.