

## **COURSE OVERVIEW**

Students learn how to assess and evaluate an existing on-premises environment in preparation for a cloud migration. Students also learn how to monitor and optimize their Azure-based workloads to maximize return on investment (ROI), and use Azure services to protect and manage your virtual machines, applications, and data.

## **WHAT YOU'LL LEARN**

- Identify the tools and services specific to each phase of the migration
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- Discover and assess on-premises workloads for migration to Azure
- Obtain deeper profiling of an environment using app dependency mapping and assessment customizations
- Perform an end-to-end migration of on-premises workloads to Azure using Azure Migrate
- Replicate data from an on-premises datacenter to Azure or to a secondary site
- Migrate data from existing data sources to Azure data platforms using the Database Migration Service
- Secure and manage migrated workloads using Azure Security Center, Azure Backup, and Log Analytics
- Ensure an effective business continuity strategy that includes high availability, disaster recovery
- Back up and protect Azure IaaS virtual machines from any location using the Azure Backup Service
- Define a recovery plan to ensure virtual machines fail over properly before running a full failover