

Skills measured by Exam 70-647

Planning network and application services (23 percent)

Plan for name resolution and IP addressing.

May include but is not limited to: internal and external naming strategy, naming resolution support for legacy clients, naming resolution for directory services, IP addressing scheme, TCP/IP version coexistence

Design for network access.

May include but is not limited to: network access policies, remote access strategy, perimeter networks, server and domain isolation

Plan for application delivery.

May include but is not limited to: application virtualization, presentation virtualization, locally installed software, Web-based applications

Plan for Terminal Services.

May include but is not limited to: Terminal Services licensing, Terminal Services infrastructure

Designing core identity and access management components (25 percent)

Design Active Directory forests and domains.

May include but is not limited to: forest structure, forest and domain functional levels, intra-organizational authorization and authentication, schema modifications

Design the Active Directory physical topology.

May include but is not limited to: placement of servers, site and replication topology, printer location policies

Design the Active Directory administrative model.

May include but is not limited to: delegation, group strategy, compliance auditing, group administration, organizational structure

Design the enterprise-level group policy strategy.

May include but is not limited to: group policy hierarchy and scope filtering, control device installation, authentication and authorization

Designing support identity and access management components (29 percent)

Plan for domain or forest migration, upgrade, and restructuring.

May include but is not limited to: cross-forest authentication, backward compatibility, object migration, migration planning, implementation planning, environment preparation

Design the branch office deployment.

May include but is not limited to: authentication strategy, server security

Design and implement public key infrastructure.

May include but is not limited to: certificate services, PKI operations and maintenance, certificate life cycle management

Plan for interoperability.

May include but is not limited to: inter-organizational authorization and authentication, application authentication interoperability, cross-platform interoperability

Designing for business continuity and data availability (23 percent)

Skills measured by Exam 70-647

Plan for business continuity.

May include but is not limited to: service availability, directory service recovery

Design for software updates and compliance management.

May include but is not limited to: patch management and patch management compliance, Microsoft Update and Windows Update, security baselines, system health models

Design the operating system virtualization strategy.

May include but is not limited to: server consolidation, application compatibility, virtualization management, placement of servers

Design for data management and data access.

May include but is not limited to: data security, data accessibility and redundancy, data collaboration