凱風電腦有限公司 |Gallant Computer Company Ltd.
Hotline: 2833 3816
Fax: 2851 6452
Email: info@gallantcomputer.com
Website: www.gallantcomputer.com

(20345-2A) – Designing and Deploying Microsoft Exchange Server 2016

OBJECTIVE

This course provides experienced Exchange Server administrators with the knowledge to design and implement an Exchange Server 2016 messaging environment. Students will learn how to design and configure advanced components in an Exchange Server 2016 deployment such as site resiliency, advanced security, compliance, archiving, and discovery solutions. In addition, students will learn about coexistence with other Exchange organizations or Exchange Online, and migration from previous versions of Exchange Server. The course will provide guidelines, best practices, and considerations that will help students optimize their Exchange Server deployment.

COURSE TOPICS

Module 1: Planning Exchange Server 2016 deployments

- New features in Exchange Server 2016
- Gathering business requirements for an Exchange Server 2016 deployment
- Planning for an Exchange Server deployment
- Designing a Unified Messaging (UM) deployment

Module 2: Planning and deploying Exchange Server 2016 Mailbox services

- Planning Exchange Server hardware requirements
- Planning Exchange Server for virtualization and Microsoft Azure integration
- Planning and implementing public folders

Module 3: Planning and deploying message transport

- Designing message routing
- Designing transport services
- Designing the message-routing perimeter
- Designing and implementing transport compliance

Module 4: Planning and deploying client access

- Planning for Exchange Server 2016 clients
- Planning for client access
- Planning and implementing Office Online Server
- Planning and implementing coexistence of SharePoint 2016 with Exchange
- Designing external client access

凱風電腦有限公司 |Gallant Computer Company Ltd.
Hotline: 2833 3816
Fax: 2851 6452
Email: info@gallantcomputer.com
Website: www.gallantcomputer.com

Module 5: Designing and implementing high availability

- Planning high availability for Exchange Server 2016
- Planning for load balancing
- Planning for site resilience

Module 6: Maintaining Exchange Server 2016

- Using Managed Availability to improve high availability
- Implementing DSC

Module 7: Designing messaging security

- Planning messaging security
- Designing and implementing AD RMS and Azure RMS integration

Module 8: Designing and implementing message retention

- Overview of messaging records management and archiving
- Designing In-Place Archiving
- Designing and implementing message retention

Module 9: Designing messaging compliance

- Designing and implementing data loss prevention
- Designing and implementing In-Place Hold
- Designing and implementing In-Place eDiscovery

Module 10: Designing and implementing messaging coexistence

- Designing and implementing federation
- Designing coexistence between Exchange organizations
- Designing and implementing cross-forest mailbox moves

Module 11: Upgrading to Exchange Server 2016

- Planning an upgrade from previous Exchange Server versions
- Implementing the upgrade from previous Exchange Server versions

Module 12: Planning a hybrid Exchange Server deployment

- Basics of a hybrid deployment
- Planning and implementing a hybrid deployment
- Implementing advanced functionality for hybrid deployments

澳門宋玉生廣場 180 號東南亞商業中心 18 樓 E,F | Vol. 17-02-16
Alameda Dr. Carlos d`Assumpção, no.180, Tong Nam Ah Central Comércio 18E,F, Macau

2

PREREQUISITES

Before attending this course, students must have:

- A+ certification or equivalent knowledge.
- Network+ certification or equivalent knowledge.
- Completed Course 2028A, Basic Administration of Microsoft Windows 2000, or have equivalent knowledge of administrative tasks.

In addition to professional experience, students who attend this training should already have the following technical knowledge:

- Attended course 20345-1A: Administering Exchange Server 2016, or have equivalent knowledge.
- Minimum two years of experience working with   any version of Exchange Server.
- Minimum of six months of experience working with Exchange Server 2013 or Exchange Server 2016.
- Minimum of two years of experience administering the Windows Server 2012 R2.
- Minimum two years of experience working with Active Directory Domain Services (AD DS).
- Minimum of two years of experience working with name resolution, including Domain Name System (DNS).
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows Powershell.

TRAINING APPROACH

This course includes lectures, course notes, exercises and hands-on practice.

COURSE DURATION

24 Hours (in 3 days)

Time: 9:00am to 6:00pm

Lunch Time: 1:00pm to 2:00pm

CERTIFICATION COMPLETION

A certificate of completion is provided for all trainees attending the course