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Windows Server 2008 R2: Managing and Supporting Active Directory Certificate Services (ADCS)

Detailed instruction combined with solid high quality practice labs prepares students to successfully master management and support of a Windows Server 2008 R2 ADCS

- Hands on labs for the most common tasks in managing a Windows ADCS
- Understand certificates and certificate technologies
- Describe how certificates are used with common Microsoft applications
- Understand PKI technologies
- Understand the support considerations for PKI architecture
- Understand the common support tasks required to manage and maintain a PKI

Overview

Managing and Supporting a Windows Server 2008 Active Managing and Supporting a Windows Server 2008 R2 Active Directory Certificate Services (ADCS) Workshop provides participants with the knowledge and core skills to understand, manage, monitor, and support a Windows based PKI infrastructure. This 4 day Workshop consists of demonstrations and labs that provide hands-on experience focused exclusively on the skills and objectives that align with managing, monitoring and supporting a Windows Server 2008 Public Key Infrastructure (PKI), in addition to the new features in Windows 2008 R2 PKI.

How the Offering Works

Organizations who wish to develop their understanding of the Windows Server 2008 R2 PKI management and support requirements, with a view to improving the operations health of the PKI by implementing efficient and effective support, operations, and management best practices in addition to the steps required to plan the upgrade and migration to Windows Server 2008 PKI.

PKI Fundamentals

Build upon your understanding of PKI technologies including common components, encryption types/algorithms, and the foundations of Certificate Servers and use of certificates in applications. Understand the consideration for a healthy and well maintained PKI, including high availability, CRL/AIA distribution points and certificate validation

Learn the fundamentals of building a successful PKI infrastructure including some of the most advanced topics introduced in Windows 2008 R2 ADCS

- Implement certificate server and PKI disaster recovery
- Understand and resolve common break fix scenarios
- Discover and use the best PKI tools available for a given scenario
- Understand new technologies in PKI such as Cross Forest Autoenrollment, CEP, CES, and OCSP
- Discover new technologies in a Windows ADCS implementation such as Cross Forest Autoenrollment, CEP, CES and OCSP.

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PKI Design Considerations and Troubleshooting

- Discover new technologies in a Windows ADCS implementation such as Cross Forest Autoenrollment, CEP, CES and OCSP.
- Discover and use the tools which are available to help administer, maintain and troubleshoot PKI.
- Understand the security considerations for a common PKI design
- Understand the considerations for a healthy and well maintained PKI, including the considerations for high availability, CRL/AIA distribution and certificate validation.
- Understand PKI Configuration and change management practices
- Understand the use of a PKI management and troubleshooting tools
- Implement CRL distribution points
- Implement CA monitoring and auditing

Management and Key Recovery

Learn the best practices in the operation, management and support of a Windows 2008 ADCS.

- Discover the operational best practices for capacity planning, and disaster recovery
- Discover the operational best practices for certificate revocation, contingency planning a, monitoring and alerting

Changes in Windows Server 2008 R2 PKI (ADCS)

- Learn about the new features in Windows Server 2008 R2 PKI
- Understand the new terminologies, their new features, and limitations

IT Requirements/Deliverables

This workshop is not suited for those new to certificate or PKI technologies. The workshop assumes extensive, day to day practical and hands on experience using Windows Server 2003 PKI or Windows Server 2008 PKI.

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