

IBM Education Assistance for z/OS V2R1

Item: Add support for Microsoft Windows Server 2008

Element/Component: Distributed File Service SMB



Agenda

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Trademarks

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- Additional trademarks:
 - Windows® and Microsoft® are trademarks of the Microsoft Corporation in the United States, other countries, or both.



Presentation Objectives

- Describe the z/OS SMB support to allow a Microsoft Windows Server 2008 to act as a domain controller for passthrough authentication.



Overview

- The z/OS SMB server can use a Microsoft Windows Server acting as a domain controller to authenticate a PC client. The z/OS SMB server does this by passing the authentication packet to the Windows domain controller for authentication. This is called “passthrough authentication”. Currently the z/OS SMB server supports using the Windows Server 2003 as a domain controller. The Windows Server 2003 reached the end of Microsoft Mainstream support in July 2010 with Windows Server 2008 being the follow-on release.
- Solution
 - This item implements changes to support Microsoft Windows Server 2008 as domain controller.
- Benefit / Value
 - With these changes, customers can now use a Microsoft Windows Server 2008 acting as a domain controller to authenticate their SMB clients to the z/OS SMB server.



Usage & Invocation

- Microsoft Windows Server 2008 usage
 - Users must follow the Microsoft documentation to install and configure their Windows Server 2008 as a domain controller.



Interactions & Dependencies

- Software Dependencies
 - Users must install and configure Windows Server 2008
- Hardware Dependencies
 - None
- Exploiters
 - Users of the z/OS SMB server who utilize passthrough authentication to authenticate their SMB clients.



Migration & Coexistence Considerations

- Digital signing is a local security configuration option on both Windows clients and Windows servers. Digital signing works differently on Windows server 2008 than on Windows Server 2003. The configuration options shown below are what will be supported.
 - On the Windows clients:
 - Microsoft network client: Digitally sign communications (always)
 - Disabled
 - Microsoft network client: Digitally sign communications (if server agrees) - Enabled or Disabled
 - On the Windows server 2008:
 - Microsoft network server: Digitally sign communications (always)
 - Disabled
 - Microsoft network server: Digitally sign communications (if client agrees) - Disabled



Presentation Summary

- Described the support added to the z/OS SMB server to allow Microsoft Windows Server 2008 to be used as a domain controller for passthrough authentication.



Appendix

- Publications

- z/OS V2R1 Distributed File Service SMB Administration Guide (SC24-5918)
- z/OS V2R1 Distributed File Service Messages and Codes (SC24-5917)

