



## Active Directory Domain Migration Checklist

Winzero Active Directory Migrator

Before beginning an Active Directory migration, a number of mandatory requirements are needed to be in place in order to complete the migration successfully. These requirements are standards to meet both the requirements for Microsoft Windows migration and the Winzero Active Directory Migrator.

Throughout this document, the terms source domain and target domain mean the domain from which the objects are being migrated from and the destination domain being where the objects are being migrated to.

### Requirements Prior to WADMigrator Installation

#### Windows Trust Requirements

- ✓ Establish a two way trust relationship between the source domain and target domain
- ✓ Verify the trust relationship – To verify, check that you are able to list accounts from each domain in each domain
- ✓ Add the source domain's Domain Admins group to the target domain's Administrators group
- ✓ Add the target domain's Domain Admins group to the source domain's Administrators group

#### Windows Password Migration Requirements

- ✓ In the target domain check and verify that the domain Password Policy is equal to or less restrictive than the source domain's password policy.
- ✓ In both the source domain and target domain, enable Account Management Audit for success and failure at both the domain level and the domain controller level. You must reboot the PDC emulator for the policy to take effect.
- ✓ Verify that Account Auditing is working in each domain. Create a test user and delete the users. Check that each event has been recorded in the security logs.
- ✓ In the source domain create a domain local group with the NetBIOS name of the domain followed by three dollar signs with no members. Example DOMANNAME\$\$\$
- ✓ In the target domain create a domain local group with the NetBIOS name of the domain followed by three dollar signs with no members. Example DOMANNAME\$\$\$
- ✓ In the source domain and the target domain verify or add the Everyone group as a member of the Pre-Windows 2000 Compatible Access group.

## NetBIOS Naming Resolution Requirements

- ✓ Install a WINS server on the target domain PDC Emulator (still required for Windows 2008 domains)
- ✓ In the TCP/IP Advanced Network Card Properties of the source and target domain controllers, add the IP Address of the target domain controller under the WINS server tab.
- ✓ Enable NetBIOS over IP for both the source and target domain's PDC Emulator
- ✓ Verify that all domain controllers both source and target have Enable Lmhost Lookup enabled

## DNS Naming Resolution Requirements

- ✓ In the TC/IP DNS advanced settings of both the source and target domain controllers, verify that the DNS server of both domains are entered with the first entry as the domain name that the domain controller belongs to.
- ✓ Append the domain suffix list to include the DNS name of both domains with the first entry as the domain name that the domain controller belongs to.
- ✓ Enter the domain name for the DNS suffix for this connection
- ✓ Check Register this connection's addresses in DNS

## Group Policy Requirements

- ✓ Create a Domain Group Policy to disable Windows Firewall in both the source and target domain. (See appendix 1)
- ✓ Verify IP Filtering is disabled for both the source and target domain controllers in the Advanced TCP/IP Options Setting to Permit All
- ✓ For Windows 2008 domain controllers, disable User Account Control (UAC)

Logon to the migration computer in the target domain as a member of the target domain's Domain Admins group and install WADMigrator.

## Post WADMigrator Installation

Once WADMigrator is installed, updated to the latest build and the domain migration options have been set, verify that all the pre-migration internal checks have a green check mark beside each prerequisite.

- ✓ Verify Clonepr.dll is located in the C:\Windows directory of the target domain Controller.
- ✓ If not, then copy drive:\Winzero\WADMigrator\Clonepr.dll to the C:\Windows directory of the target domain Controller.
- ✓ Register Clonepr.dll on the target domain controller. Run Regsvr32 C:\Windows\Clonepr.dll this is required for both SIDHistory and computer migration.

## Know Installation Issues:

### **The Winzero Scheduling service is not running**

This is a common issue at the first installation. To remedy, connect to the domain controller(s) that displays the error, start the services MMC and navigate to the Winzero Schedule service or FSTScheduler. Click on the logon option. Reenter the service account name and password and click Apply. If the service is running, stop and restart the service.

### **Unable to verify PDC Emulator of the source or target domain**

This issue will arise when the target domain controller is unable to resolve NetBIOS Names. Launch the Winzero LMHCreator to create an lmhosts file. Add the IP Address and name of the source domain controller, add the IP address and the name of the target domain controller, add the IP Address of the source domain controller and the source domain name and add the IP Address of the target domain controller and the target domain name. Save the new lmhosts file. Register the lmhosts file to cache and verify the cache table that all 4 entries are in cache.

### **Administrator Account Password Containing Special Characters**

A known LDAP issue exists if the first character of the Administrator's password begins with a special character. This issue will prevent migrating computers from the source domain to the target domain because LDAP translation will drop the first character of the password, the password will become incorrect and the operation will fail.

To remedy this issue change the password of the source or target domain's Administrator's password so that the password begins with an alpha-numeric character.

## Appendix 1 – Group Policy to Disable Windows Firewall

Create a new Group Policy object, and give the object a descriptive name (for example, ITS-Turn off Windows Firewall).

- ✓ Select the newly created group policy.
- ✓ Right-click on the newly created policy and select Edit.
- ✓ Expand the Computer Configuration folder, then the Administrative Templates folder.
- ✓ Expand the Network folder, then the Network Connections folder, then the Windows Firewall folder.
- ✓ Select the Standard Profile folder.
- ✓ Double-click the Windows Firewall: Protect all network connections option. Select Disabled, and then click OK.
- ✓ Select the Domain Profile folder.
- ✓ Double-click the Windows Firewall: Protect all network connections option. Select Disabled, and then click OK.
- ✓ Close the Group Policy dialog box.
- ✓ In the Security Filter section, click Add.
- ✓ Search for the objects that this group policy will be applied to, then click OK.
- ✓ Close the Group Policy editor.

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Active Directory Domain Migration Checklist

Windows 2000-2003-2008 Pre-Domain Migration Checklist

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