



Windows Server Migration Checklist

Winzero ServerMigrator

Before beginning any server 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 the requirements for Microsoft Windows security, migration and the Winzero ServerMigrator.

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

Requirements Prior to ServerMigrator Installation

Multi Domain Migration - Windows Trust Requirements

- ✓ Establish a two way trust relationship between domains if the migration involves multiple domains
- ✓ Verify the trust relationship – To verify, check that you are able to list accounts from each domain in each domain
- ✓ Add the Domain Admins group to each domain's Administrators group
- ✓ The account used to perform the migration must be a member of the target servers domain's Domain Admins group

Same Domain Server Migration Requirements

- ✓ Verify or add the Domain Admins group to each server's Administrators group
- ✓ The account used to perform the migration must be a member of the domain's Domain Admins group

Windows Workgroup Server Migration Requirements

- ✓ The account used to perform the migration must be the Administrator account.
- ✓ If the Administrator account has been renamed the account must be changed to back to Administrator on each server
- ✓ The Administrator's password on each server must be the same

Local Server Account's Password Migration Requirements

- ✓ On the target server check and verify that the Local Password Policy is equal to or less restrictive than the source server's password policy.
- ✓ Password Migration registry requirements are automatically set when ServerMigrator is installed

NetBIOS Naming Resolution Requirements

- ✓ NetBios browsing must be enabled to resolve computer names
- ✓ In the TCP/IP Advanced Network Card Properties of the source and target WINS tab enable NetBIOS over IP for both the source and target servers
- ✓ Verify that both source and target servers have Enable lmhost Lookup enabled
- ✓ If naming resolution is an issue and server names are not resolved create an lmhosts file with the builtin LMHCreator after ServerMigrator Installation

Group Policy Requirements

- ✓ Verify that Windows Firewall is disabled on both the source and target server.
- ✓ Verify IP Filtering is disabled for both the source and target servers in the Advanced TCP\IP Options Setting to Permit All
- ✓ For Windows 2008 domain controllers, disable User Account Control (UAC)

Server Requirements

- ✓ Verify that the Windows directory is shared as ADMIN\$ on both the source and target servers
- ✓ Verify that the drives are shared as C\$, D\$ E\$ etc. on both the source and target servers
- ✓ Verify that the Remote Registry services is running on both the source and target servers
- ✓ Verify that the RPC services is running on both the source and target servers
- ✓ Verify that EFS is disabled on both the source and target servers
- ✓ Verify that the account used as the service account has Logon as a Service and Logon Locally rights enabled on both the source and target servers

ServerMigrator Installation

Installation of ServerMigrator is always performed on the target server with the following exceptions:

- ✓ To perform a local account and group migration only ServerMigrator is installed on the source server.
- ✓ For Non Connected Migrations (NCS Migration) ServerMigrator is installed on both the source and target servers

Logon to the target server as a member of the domain's Domain Admins group or logon as the Administrator in a workgroup and install ServerMigrator. We strongly recommend not performing the installation using a virtual session. Once ServerMigrator is installed Terminal Server sessions, VNC or RemoteAdmin may be used to perform the migration.

Post ServerMigrator Installation

Once ServerMigrator has been installed run Check for Updates to update to the latest build of ServerMigrator

- ✓ Verify that there is enough space on the target server to migrate the source data
- ✓ Create the migration project.
- ✓ Run the Pre-Migration Check and verify that all requirements are checked with a green checkmark. If not, remedy any issues and run the Pre-Migration Check again.

Know Installation Issues:

The Winzero Scheduling service is not running

This is a common issue at the first installation. To remedy, connect to the server(s) that displays the error, start the services MMC and navigate to the Winzero Schedule service or FSTSchedular. 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 Source or Target Server Names

This issue will arise when the target server 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 server, add the IP address and the name of the target server, add the IP Address of the domain controller and the domain name if required in a domain scenario.

Save the new lmhosts file. Register the lmhosts file to cache and verify the cache table that all 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 servers Administrator's password so that the password begins with an alpha-numeric character.

Server Migration Checklist – Copyright WinzeroTech 2009 all rights reserved.

Revision 1.3 Aug 18 2009

WinzeroTech: <http://www.winzero.ca>

Support Blog: <http://winzerofaqs.blogspot.com>

Migration blog: <http://domainreconfigure.blogspot.com>

Twitter Updates: <http://twitter.com/winzerotech/>

Akos Sandor

Winzero Technologies

Server Migration Checklist, Server Migration, Server Consolidation, ServerMigrator

Server Migration Checklist

Windows NT 2000-2003-2008 Pre-Server Migration Checklist

8/19/2009