



## Technical Resources

*Below is a list of resources that can be used to gather information for the purpose of fulfilling the Assessment Checklist*

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### Active Directory

- **AD Topology**

The free Microsoft tool, Active Directory Topology Diagrammer, can be used to discover the AD structure including all domains, all Organizational Units, Sites, Exchange setup, the Application Partition structure, and servers.

The tool is downloadable from <http://snurl.com/3oa1m>.

*Please note that the tool requires Visio.*

Further scripts to document Active Directory objects and even find duplicate display names among others can be found on Microsoft MVP Richard L. Mueller's site (<http://www.rlmuellet.net/freecode6.htm>).

For example, the script to document the entire forest (<http://www.rlmuellet.net/DocumentForest.htm>) can be used to document all domains, containers, and OUs. Within each of these containers, the program documents all groups, plus the number of computer and user objects in the container.

Enumerating DCs (<http://www.rlmuellet.net/Enumerate%20DCs.htm>).

Enumerate all servers in the domain and output the DN of each server (<http://www.rlmuellet.net/Enumerate%20DCs.htm>).

There are more, please see the first URL (<http://www.rlmuellet.net/freecode6.htm>) for a list of all the scripts and what they are capable of generating.

In addition, Microsoft MVP Joe Richards has made available some very powerful tools for extracting the information found in Active Directory. His site listing those tools has further information (<http://www.joeware.net/freetools/index.htm>) on each tool together with usage information.

AD Replication information is obtainable using the REPLMON tool (included in the Windows Server 2003 Support Tools on the Windows Server 2003 CD in the Support\Tools folder). REPLMON overview here (<http://snurl.com/3oaby>).

A free tool from SysOp Tools, AD Query (<http://www.sysoptools.com/ad-query.html>), allows quick and easy auditing of any user or computer object within Active Directory. AD Query shows all schema, LDAP, and Exchange mail-enabled attributes for ht objects that have data written.

- **Group Policy Documentation and Export**

Group Policy Objects can be exported using the Group Policy Management Console in addition to certain scripts outlined below.

The GPMC with SP1 can be downloaded (<http://snurl.com/3oa25>).

Microsoft has made available (<http://snurl.com/3oa2i>) scripts that can be used to report and export Group Policy Objects. The scripts by themselves (<http://snurl.com/3oa2q>).

An example of what can be done for both AD (using the Topology Diagrammer) and GPO exports (using scripts and GPMC) (<http://snurl.com/3oa34>).

The Group Policy Diagnostic Best Practices Analyzer for Windows Server 2003 (<http://snurl.com/3oa3p>) could come in useful as well.

- **Schema Export**

Joe Richards' *adfind* utility can be used to export the Active Directory Schema as follows:  
`adfind -sc sdump:csv`

Joe Richards' website for adfind is  
<http://www.joeware.net/freetools/tools/adfind/index.htm>.

## Exchange Server

Exchange server documentation is possible using the AD Topology Diagrammer.

The ExchDump tool (<http://snurl.com/3oa3y>) is a command line utility capable of producing output in either HTML or XML format. It collects information from AD, the RPC Endpoint Mapper, the IIS Metabase, and Local Security database.

The Exchange Server Best Practices Analyzer is yet another tool which can generate data useful in answering the Checklist questions (<http://snurl.com/3oa77>).

## Network

### IP

A simple listing of IP addresses and corresponding DNS names is sufficient. There are a handful of free tools that can generate this information for you.

The “Angry IP Scanner” (<http://www.angryziber.com/w/About>) is capable of resolving hostnames, IP addresses, MAC address, NetBIOS information, etc., and the output can be saved to CSV, TXT, XML, or IP-Port list files.

“The Dude” network monitor is an application (<http://www.mikrotik.com/thedude.php>) that will scan all devices within a specified subnet, draw, and layout a map of your network.

I am certain you have your own favorite tool for this sort of work and output in any of the normal formats will be sufficient.

### Others

In addition to the list above, Quest Software has made some of its tools available for free (<http://www.quest.com/free-tools>); Reporter Express in particular may be useful.

Being sure that as systems administrators of Active Directory and Exchange, you may already have monitoring and auditing tools in place (SMS, Group Policy Inventory, etc.); if you do utilize such tools within your network and those tools are capable of exporting data, it is also perfectly acceptable to send that on to us as sufficient responses to any of the questions in the Assessment Checklist.

Another free tool highly recommended for migrating agencies is called SYDI and is located at (<http://sydiproject.com/download/>).