Knowledgebase Article

How to use Network Inventory Stub Analyzer

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How to use Network Inventory 5 Stub Analyzer?

Stub Analyzer is another powerful feature of Network Inventory 5 with a lot of improvements comparatively to the stub analyzer from previous versions of Network Inventory. The new stub analyzers are more efficient and collect more detailed data from remote machines.

You can use Stub analyzer to collect information on Win9x and NT systems. EMCO recommends that users run these stubs individually on each machine to collect that machine information, because if there is a concurrent access to the data folder by more then one machines then it can corrupt the information and the data will not be consistent. When the user runs this script on a machine it collects the information about that machine to a file named <MACHINE NAME>.mdax47. We can then import this information to Network Inventory 5 for charting, reporting and printing.

EMCO Network Inventory 5 offers more customizable stubs, you can use the provided Options file to specify the exact information you want to fetch from the remote machine.

Using Stubs on Win9x Machines

EMCO Network Inventory 5 allows you to collect different scan information from Windows 9.x machines. When you install EMCO network Inventory 5 it also installs stubs files for Windows 9.x machines. These stub files can be found under stubs folder in EMCO Network Inventory 5 installation directory.

To scan different information from Windows 9.x machines you need to perform the following steps:

1. Copy MInfo9x.exe stub file and Default.csc47 file

2. Configure Options.ini File

3. Run MInfo9x.exe

4. Import scan data into Network Inventory 5

To copy the required files perform the following steps:

1. Move to Stubs folder under EMCO Network Inventory 5 installation directory.

2. Select MInfo9x.exe, Default.csc47 and Options.ini file and copy them to the machines that you want to scan.

3. Create a temporary directory on machine that you want to scan.

4. Paste the copied files into temporary directory.

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To configure Options.ini file perform the following steps:

1. Open the Options.ini file from the temporary directory that has been create in previous step.

2. We can divide the contents of Options.ini file in four segments.

3. First specify weather you want to store the scan result to directory or not, If yes type 1 otherwise type 0 in Use Directory.

   - [Data]
   - Use Directory=1

4. If you set Use Directory to 1 then specify the directory where you want to save scan results.

   - Directory=c:\Temp

5. Secondly specify weather you want to run this script only once or not. If yes type 1 other wise 0. Run Once will only execute the stub if no data exists for this machine.

   - RunOnce=0

6. Thirdly, specify weather you want to scan all data or not. if yes type 1 otherwise type 0.

   - AllData=1

7. Fourthly, if you set AllData to 0 , specify what information you want to scan by setting corresponding variable to 1.

   - BasicInfo=0
   - OSDescription=0
   - WMIInfo=0
   - UseWMIforPhysicalMemory=0
   - DigitalProductID=0
   - OfficeDigitalProductID=0
   - InstalledApps=0
   - CustomScans=0
   - Shares=0
   - :: Share Access Not Available in W9x
   - ShareAccess=0
   - Printers=0
   - :: NetworkPrinters Not Available in W9x
   - NetworkPrinters=0
   - MappedDrives=0
   - DiskInfo=0
   - CdromDrives=1
   - Processes=0
   - StartupCommands=0
   - ProgramFolders=0
   - Processors=0
   - NetworkCards=0
   - EnvironmentalVars=0
   - UserEnvVars=0

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- Services=0
- MemoryBanks=0
- DataSourcesODBC=0
- UserDataSourcesODBC=0
- :: HotFixes Not Available in W9x
- HotFixes=0
- ScheduledTasks=0
- Fonts=0
- :: UserAccounts Not Available in W9x
- UserAccounts=0

To run MInfo9x.exe:

You can use the following way to run MInfo.9x.exe to collect scan data:

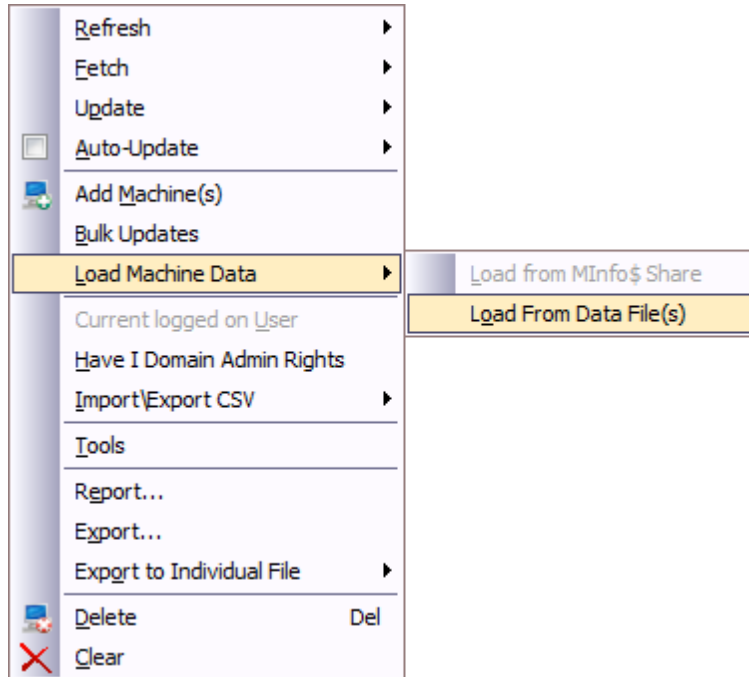- Run MInfo9x.exe directly
- Use Logon Scripts
- Use VB Scripts

Next we will discuss how you can create your scripts to scan machines.

1. First of all create local folder for EMCO Network Inventory 5 stub installation
   - MD c:\Emco
2. Copy stub files form your network share
   - Copy \\EmcoNI\audit\EmcoSA\MInfo9x.* C:\Emco
3. Run stub file.
   - Start /Wait c:\Emco\MInfo9x.exe
4. Remove data directory.
   - Deltree /y C:\Emco

You can call this script file from login script at logon time.

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To import machines data in EMCO Network Inventory 5 perform the following steps:

1. Right click Networking Node in machines tree.

2. Select Load machines Data -> Load From Data File(s)menu item.

3. Select Load From Data File menu item from the popup menu.

Refresh	▶
Fetch	▶
Update	▶
☐ Auto-Update	▶
🖥 Add Machine(s)	
Bulk Updates	
Load Machine Data	▶
Current logged on User	
Have I Domain Admin Rights	
Import\Export CSV	▶
Tools	
Report...	
Export...	
Export to Individual File	▶
🖥 Delete	Del
✕ Clear	

Submenu:

Load from MInfo$ Share
Load From Data File(s)

4. File Open dialog appears on the screen.

5. Navigate to the folder where you stored the machines data file i.e. <MACHINE>.mdax47.

6. Select the file to load machines information from.

7. Click Open button.

8. Information loading process will now begin.

9. Now all information has been loaded in EMCO Network Inventory 5.

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Using Stubs on WinNT Machines

EMCO Network Inventory 5 allows you to collect different scan information from Windows NT machines. When you install EMCO network Inventory 5 it also installs stubs files for Windows NT machines. These stub files can be found under stubs folder in EMCO Network Inventory 5 installation directory.

To scan different information from Windows 9.x machines you need to perform the following steps:

1. Copy MInfoNT.exe stub file, default.csc47 and Configuration file

2. Configure Options.ini File

3. Run MInfoNT.exe

4. Import scan data into Network Inventory 5

To copy the required files perform the following steps:

1. Move to Stubs folder under EMCO Network Inventory 5 installation directory.

2. Select MInfo9x.exe, Default.csc47 and Options.ini file and copy them to the machines that you want to scan.

3. Create a temporary directory on machine that you want to scan.

4. Paste the copied files into temporary directory.

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To configure Options.ini file perform the following steps:

1. Open the Options.ini file from the temporary directory that has been create in previous step.

2. We can divide the contents of Options.ini file in four segments.

3. First specify weather you want to store the scan result to directory or not, If yes type 1 otherwise type 0 in Use Directory.

   - [Data]
   - Use Directory=1

4. If you set Use Directory to 1 then specify the directory where you want to save scan results.

   - Directory=c:\Temp

5. 5. Secondly specify weather you want to run this script only once or not. If yes type 1 other wise 0. Run Once will only execute the stub if no data exists for this machine.

   - RunOnce=0

6. 6. Thirdly, specify weather you want to scan all data or not. if yes type 1 otherwise type 0.

   - AllData=1

7. Fourthly, if you set AllData to 0 , specify what information you want to scan by setting corresponding variable to 1.

   - BasicInfo=0
   - OSDescription=0
   - WMIInfo=0
   - UseWMIforPhysicalMemory=0
   - DigitalProductID=0
   - OfficeDigitalProductID=0
   - InstalledApps=0
   - CustomScans=0
   - Shares=0
   - :: Share Access Not Available in W9x
   - ShareAccess=0
   - Printers=0
   - :: NetworkPrinters Not Available in W9x
   - NetworkPrinters=0
   - MappedDrives=0
   - DiskInfo=0
   - CdromDrives=1
   - Processes=0
   - StartupCommands=0
   - ProgramFolders=0
   - Processors=0
   - NetworkCards=0
   - EnvironmentalVars=0
   - UserEnvVars=0

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- Services=0
- MemoryBanks=0
- DataSourcesODBC=0
- UserDataSourcesODBC=0
- :: HotFixes Not Available in W9x
- HotFixes=0
- ScheduledTasks=0
- Fonts=0
- :: UserAccounts Not Available in W9x
- UserAccounts=0

To run MInfoNT.exe:

You can use the following way to run MInfoNT.exe to collect scan data:

- Run MInfoNT.exe directly
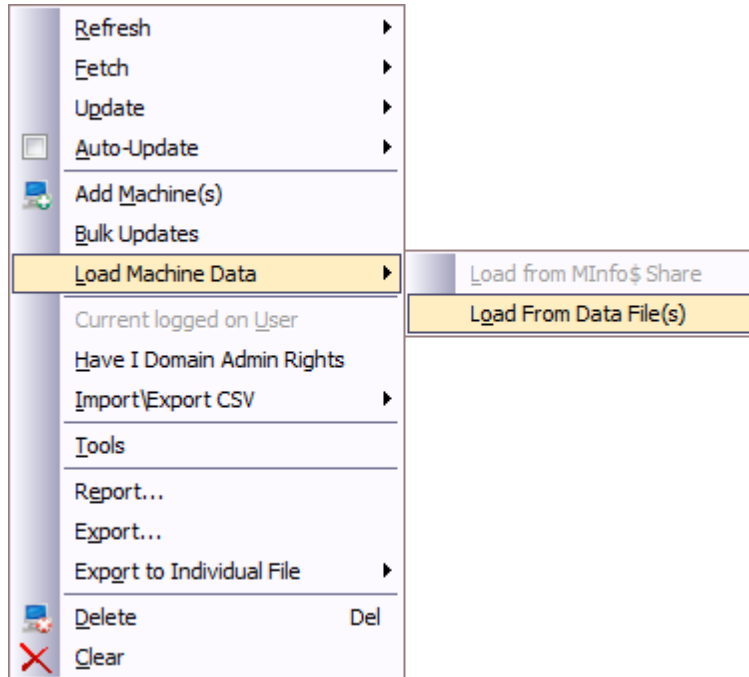- Use Logon Scripts
- Use VB Scripts

Next we will discuss how you can create your scripts to scan machines.

1. First of all create local folder for EMCO Network Inventory 5 stub installation
   - MD c:\Emco
2. Copy stub files form your network share
   - Copy \\EmcoNI\audit\EmcoSA\MInfoNT.* C:\Emco
3. Run stub file.
   - Start /Wait c:\Emco\MInfoNT.exe
4. Remove data directory.
   - Deltree /y C:\Emco

You can call this script file from login script at logon time.

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To import machines data in EMCO Network Inventory 5 perform the following steps:

1. Right click Networking Node in machines tree.

2. Select Load machines Data -> Load From Data File(s)menu item.

3. Select Load From Data File menu item from the popup menu.

Refresh	▶
Fetch	▶
Update	▶
☐ Auto-Update	▶
🖥️ Add Machine(s)	
Bulk Updates	
Load Machine Data	▶
Current logged on User	
Have I Domain Admin Rights	
Import\Export CSV	▶
Tools	
Report...	
Export...	
Export to Individual File	▶
🖥️ Delete	Del
✖ Clear	

Load Machine Data ▶ submenu:
- Load from MInfo$ Share
- Load From Data File(s)

4. File Open dialog appears on the screen.

5. Navigate to the folder where you stored the machines data file i.e. <MACHINE>.mdax47.

6. Select the file to load machines information from.

7. Click Open button.

8. Information loading process will now begin.

9. Now all information has been loaded in EMCO Network Inventory 5.

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