





# Atomic Test #2 - Masquerading as Linux crond process.

Copies sh process, renames it as crond, and executes it to masquerade as the cron daemon.

Upon successful execution, sh is renamed to crond and executed.

Supported Platforms: Linux

auto\_generated\_guid: a315bfff-7a98-403b-b442-2ea1b255e556

Attack Commands: Run with sh!

```
cp /bin/sh /tmp/crond;
echo 'sleep 5' | /tmp/crond
```

### Cleanup Commands:

rm /tmp/crond

# Atomic Test #3 - Masquerading - cscript.exe running as notepad.exe

Copies cscript.exe, renames it, and launches it to masquerade as an instance of notepad.exe.

Upon successful execution, cscript.exe is renamed as notepad.exe and executed from non-standard path.

Supported Platforms: Windows

auto\_generated\_guid: 3a2a578b-0a01-46e4-92e3-62e2859b42f0

Attack Commands: Run with command\_prompt!

copy %SystemRoot%\System32\cscript.exe %APPDATA%\notepad.exe /Y
cmd.exe /c %APPDATA%\notepad.exe /B

Q

### **Cleanup Commands:**

del /Q /F %APPDATA%\notepad.exe >nul 2>&1

Atomic Test #4 - Masquerading - wscript.exe running as sychost.exe

Copies wscript.exe, renames it, and launches it to masquerade as an instance of svchost.exe.

Upon execution, no windows will remain open but wscript will have been renamed to svchost and ran out of the temp folder

Supported Platforms: Windows

auto\_generated\_guid: 24136435-c91a-4ede-9da1-8b284a1c1a23

Attack Commands: Run with command\_prompt!

copy %SystemRoot%\System32\wscript.exe %APPDATA%\svchost.exe /Y cmd.exe /c %APPDATA%\svchost.exe /B

# Q

### **Cleanup Commands:**

del /Q /F %APPDATA%\svchost.exe >nul 2>&1



## Atomic Test #5 - Masquerading - powershell.exe running as taskhostw.exe

Copies powershell.exe, renames it, and launches it to masquerade as an instance of taskhostw.exe.

Upon successful execution, powershell.exe is renamed as taskhostw.exe and executed from non-standard path.

Supported Platforms: Windows

auto\_generated\_guid: ac9d0fc3-8aa8-4ab5-b11f-682cd63b40aa

Attack Commands: Run with command\_prompt!

copy %windir%\System32\windowspowershell\v1.0\powershell.exe %APPDATA%\t □ cmd.exe /K %APPDATA%\taskhostw.exe



### **Cleanup Commands:**

del /Q /F %APPDATA%\taskhostw.exe >nul 2>&1



# Atomic Test #6 - Masquerading - non-windows exe running as windows exe

Copies an exe, renames it as a windows exe, and launches it to masquerade as a real windows exe

Upon successful execution, powershell will execute T1036.003.exe as svchost.exe from on a non-standard path.

Supported Platforms: Windows

auto\_generated\_guid: bc15c13f-d121-4b1f-8c7d-28d95854d086

Inputs:

Name Description Type **Default Value** 

outputfile	path of file to execute	Path	(\$env:TEMP + "\svchost.exe")
inputfile	path of file to copy	Path	PathToAtomicsFolder\T1036.003\bin\T1036.003.exe

### Attack Commands: Run with powershell!

```
Q
copy #{inputfile} #{outputfile}
$myT1036_003 = (Start-Process -PassThru -FilePath #{outputfile}).Id
Stop-Process -ID $myT1036_003
```

### **Cleanup Commands:**

```
Q
Remove-Item #{outputfile} -Force -ErrorAction Ignore
```

### Dependencies: Run with powershell!

Description: Exe file to copy must exist on disk at specified location (#{inputfile})

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

### **Check Prereq Commands:**

```
Get Prereq Commands:
```

Q

```
New-Item -Type Directory (split-path #{inputfile}) -ErrorAction ignore |
Invoke-WebRequest "https://github.com/redcanaryco/atomic-red-team/raw/ma
```

# Atomic Test #7 - Masquerading - windows exe running as different windows exe

Copies a windows exe, renames it as another windows exe, and launches it to masquerade as second windows exe

Supported Platforms: Windows

auto\_generated\_guid: c3d24a39-2bfe-4c6a-b064-90cd73896cb0

### Inputs:

Name	Description	Туре	Default Value
outputfile	path of file to execute	Path	(\$env:TEMP + "\svchost.exe")
inputfile	path of file to copy	Path	\$env:ComSpec

### Attack Commands: Run with powershell!

```
Q
copy #{inputfile} #{outputfile}
$myT1036_003 = (Start-Process -PassThru -FilePath #{outputfile}).Id
Stop-Process -ID $myT1036_003
```

### **Cleanup Commands:**

```
Q
Remove-Item #{outputfile} -Force -ErrorAction Ignore
```

# Atomic Test #8 - Malicious process Masquerading as LSM.exe

Detect LSM running from an incorrect directory and an incorrect service account This works by copying cmd.exe to a file, naming it lsm.exe, then copying a file to the C:\ folder.

Upon successful execution, cmd.exe will be renamed as Ism.exe and executed from non-standard path.

**Supported Platforms**: Windows

auto\_generated\_guid: 83810c46-f45e-4485-9ab6-8ed0e9e6ed7f

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

Q

```
copy C:\Windows\System32\cmd.exe C:\lsm.exe
C:\lsm.exe /c echo T1036.003 > C:\T1036.003.txt
```

### Cleanup Commands:

```
del C:\T1036.003.txt >nul 2>&1
del C:\lsm.exe >nul 2>&1
```

## **Atomic Test #9 - File Extension Masquerading**

download and execute a file masquerading as images or Office files. Upon execution 3 calc instances and 3 vbs windows will be launched.

e.g SOME\_LEGIT\_NAME.[doc,docx,xls,xlsx,pdf,rtf,png,jpg,etc.].[exe,vbs,js,ps1,etc] (Quartelyreport.docx.exe)

**Supported Platforms:** Windows

auto\_generated\_guid: c7fa0c3b-b57f-4cba-9118-863bf4e653fc

### Inputs:

Name	Description	Type	Default Value		
exe_path	path to exe to use when creating masquerading files	Path	C:\Windows\System32\calc.exe		
vbs_path	path of vbs to use when creating masquerading files	Path	PathToAtomicsFolder\T1036.003\src\T1036.003_r		
ps1_path	path of powershell script to use when creating masquerading files		PathToAtomicsFolder\T1036.003\src\T1036.003_r		

### Attack Commands: Run with command\_prompt!

```
Q
copy #{exe_path} %temp%\T1036.003_masquerading.docx.exe /Y
copy #{exe_path} %temp%\T1036.003_masquerading.pdf.exe /Y
copy #{exe_path} %temp%\T1036.003_masquerading.ps1.exe /Y
copy #{vbs_path} %temp%\T1036.003_masquerading.xls.vbs /Y
copy #{vbs_path} %temp%\T1036.003_masquerading.xlsx.vbs /Y
copy #{vbs_path} %temp%\T1036.003_masquerading.png.vbs /Y
copy #{ps1_path} %temp%\T1036.003_masquerading.doc.ps1 /Y
copy #{ps1_path} %temp%\T1036.003_masquerading.pdf.ps1 /Y
copy #{ps1_path} %temp%\T1036.003_masquerading.rtf.ps1 /Y
%temp%\T1036.003_masquerading.docx.exe
%temp%\T1036.003 masquerading.pdf.exe
%temp%\T1036.003 masquerading.ps1.exe
%temp%\T1036.003_masquerading.xls.vbs
%temp%\T1036.003_masquerading.xlsx.vbs
%temp%\T1036.003_masquerading.png.vbs
C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -File %temp%\T
C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -File %temp%\T
C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -File %temp%\T
```

### **Cleanup Commands:**

```
del /f %temp%\T1036.003_masquerading.docx.exe > nul 2>&1
del /f %temp%\T1036.003_masquerading.pdf.exe > nul 2>&1
del /f %temp%\T1036.003_masquerading.ps1.exe > nul 2>&1
del /f %temp%\T1036.003_masquerading.xls.vbs > nul 2>&1
del /f %temp%\T1036.003_masquerading.xlsx.vbs > nul 2>&1
del /f %temp%\T1036.003_masquerading.png.vbs > nul 2>&1
del /f %temp%\T1036.003_masquerading.doc.ps1 > nul 2>&1
del /f %temp%\T1036.003_masquerading.pdf.ps1 > nul 2>&1
del /f %temp%\T1036.003_masquerading.pdf.ps1 > nul 2>&1
del /f %temp%\T1036.003_masquerading.rtf.ps1 > nul 2>&1
```