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# Windows Local Privilege Escalation PowerUp

November 23, 2015

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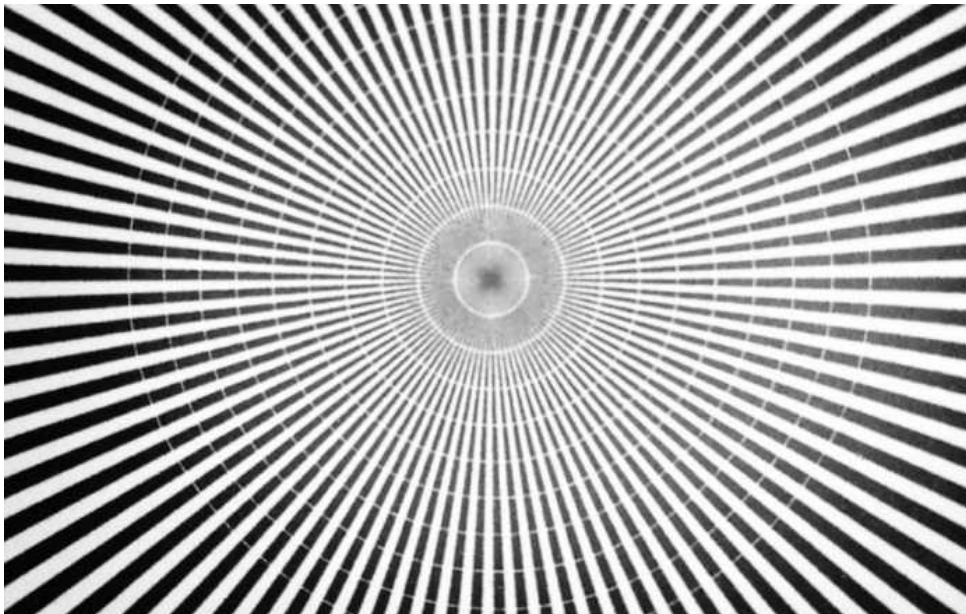
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# Windows Local Privilege Escalation

## PowerUp

Windows Local Privilege Escalation PowerUp is a powershell tool to assist with local privilege escalation on Windows systems. It contains several methods to identify and abuse vulnerable services, as well as DLL hijacking opportunities, vulnerable registry settings, and escalation opportunities.

The privesc/powerup/allchecks module implements a variety of checks for common Windows misconfigurations useful for privilege escalation. It will check:

- if you are an admin in a medium integrity process (exploitable with bypassuac)
- for any unquoted service path issues
- for any services with misconfigured ACLs (exploitable with service\_\*)
- any improper permissions on service executables (exploitable with service\_exe\_\*)
- for any leftover unattend.xml files
- if the AlwaysInstallElevated registry key is set
- if any Autologon credentials are left in the registry

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- for any encrypted web.config strings and application pool passwords
- for any %PATH% .DLL hijacking opportunities (exploitable with write\_dllhijacker)

## Service Enumeration:

Get-ServiceUnquoted	-	returns service
Get-ServiceEXEPerms	-	returns service
Get-ServicePerms	-	returns service

## Service Abuse:

Invoke-ServiceUserAdd	-	modifies a mod
Write-UserAddServiceBinary	-	writes out a p
Write-CMDServiceBinary	-	writes out a p
Write-ServiceEXE	-	replaces a ser
Write-ServiceEXECMD	-	replaces a ser
Restore-ServiceEXE	-	restores a rep

### Section

Cryptography and Encryption	7
Digital Forensics	8
Exploitation Tools	19
Information Gathering	13
Maintaining Access	7
MITM	14
Network	1
News	6
Password Attacks	7
Pentest Linux Distributions	8
Phone hacking	2
Reporting Tools	2
Reverse Engineering	5
System Administration	4
Videos	10
Vulnerability Analysis	14
Web Applications	19
Wireless Attacks	7

## DLL Hijacking:

```
Invoke-FindDLLHijack - finds DLL hijack  
Invoke-FindPathHijack - finds service
```

## Registry Checks:

```
Get-RegAlwaysInstallElevated - checks if the  
Get-RegAutoLogon - checks for AutoLogon
```

## Misc. Checks:

```
Get-UnattendedInstallFiles - finds remaining  
Get-Webconfig - checks for any  
Get-ApplicationHost - checks for enc  
Invoke-CheckLocalAdmin - checks if the u
```

## Helpers:

```
Invoke-AllChecks      - runs all current es
Write-UserAddMSI      - write out a MSI ins
Invoke-ServiceStart  - starts a given serv
Invoke-ServiceStop   - stops a given serv
Invoke-ServiceEnable - enables a given ser
Invoke-ServiceDisable - disables a given se
Get-ServiceDetails   - returns detailed in
```

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