### Lateral Movement: WMIOps



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# WMIOps



## WMIOps

**Creator: Chris Truncer** 

WMIOps is a PowerShell script that leverages the capabilities of WMI to perform actions on Windows hosts, either local or remote.



## WMIOps

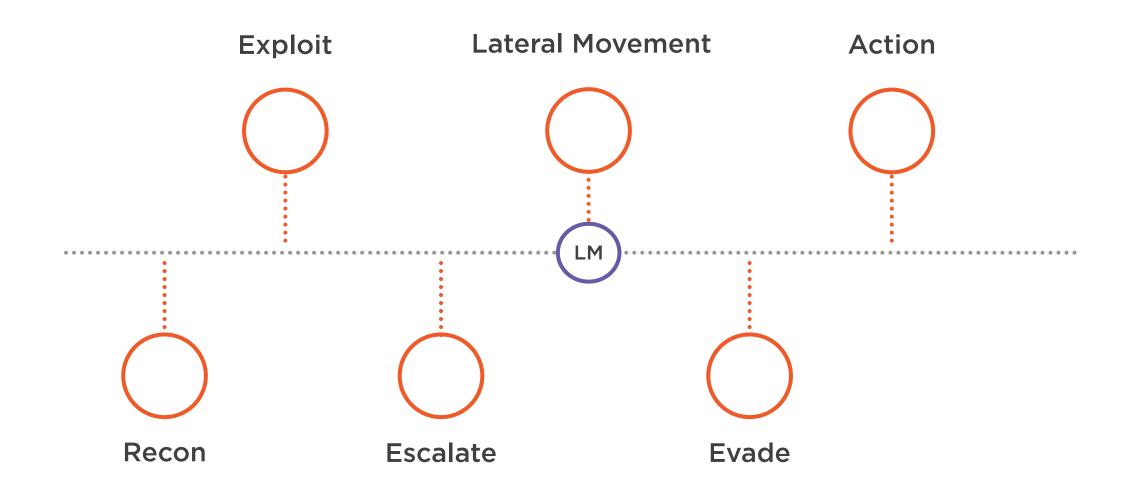
WMIOps is a PowerShell script that performs actions on Windows hosts

You can download it from GitHub

WMIOps allows you to execute PowerShell commands on other Windows hosts from an exploited machine.



### Kill Chain





#### MITRE ATT&CK

**Tactics** 

**Initial Access** 

**Execution** 

Persistence

**Privilege Escalation** 

**Defense Evasion** 

**Credential Access** 

Discovery

**Lateral Movement** 

Collection

**Command & Control** 

**Exfiltration** 

**Impact** 

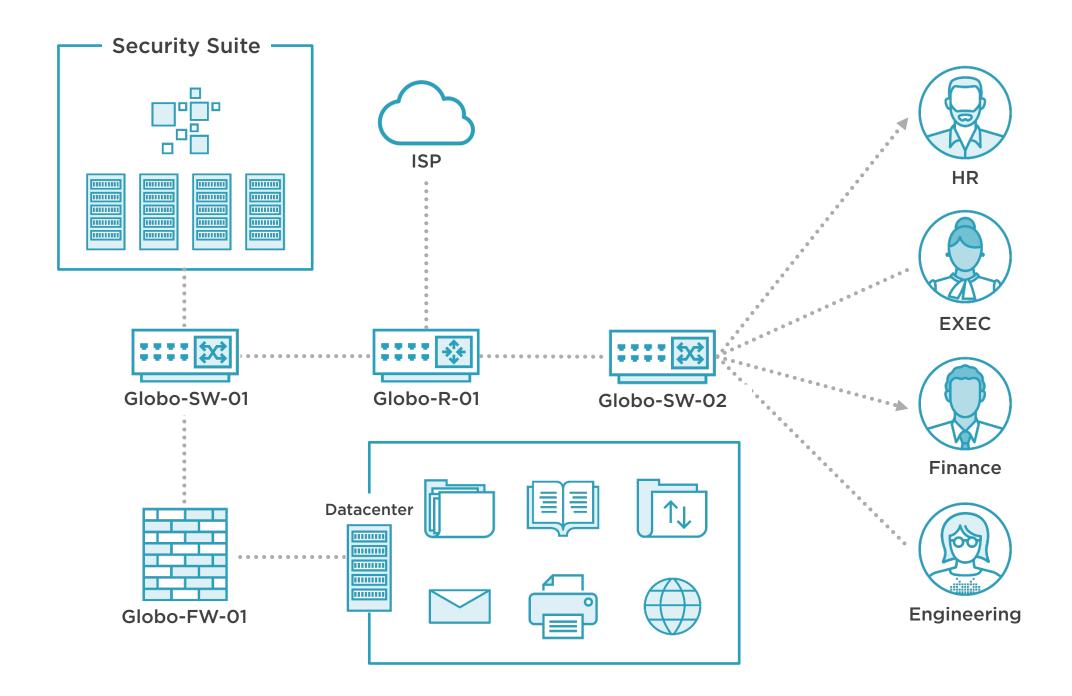


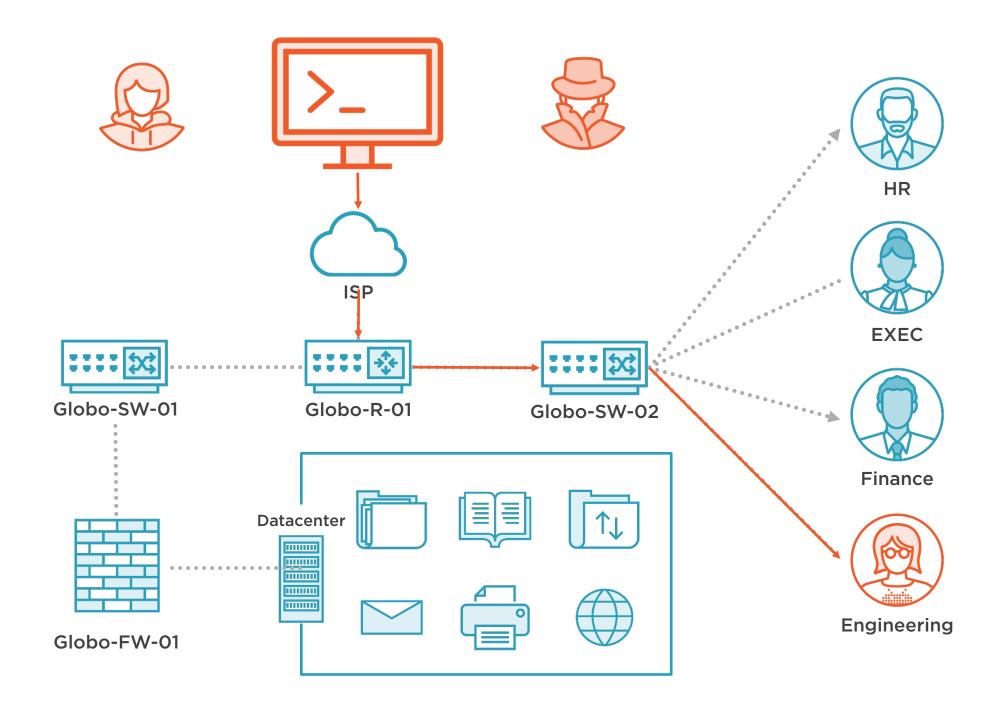
#### MITRE ATT&CK

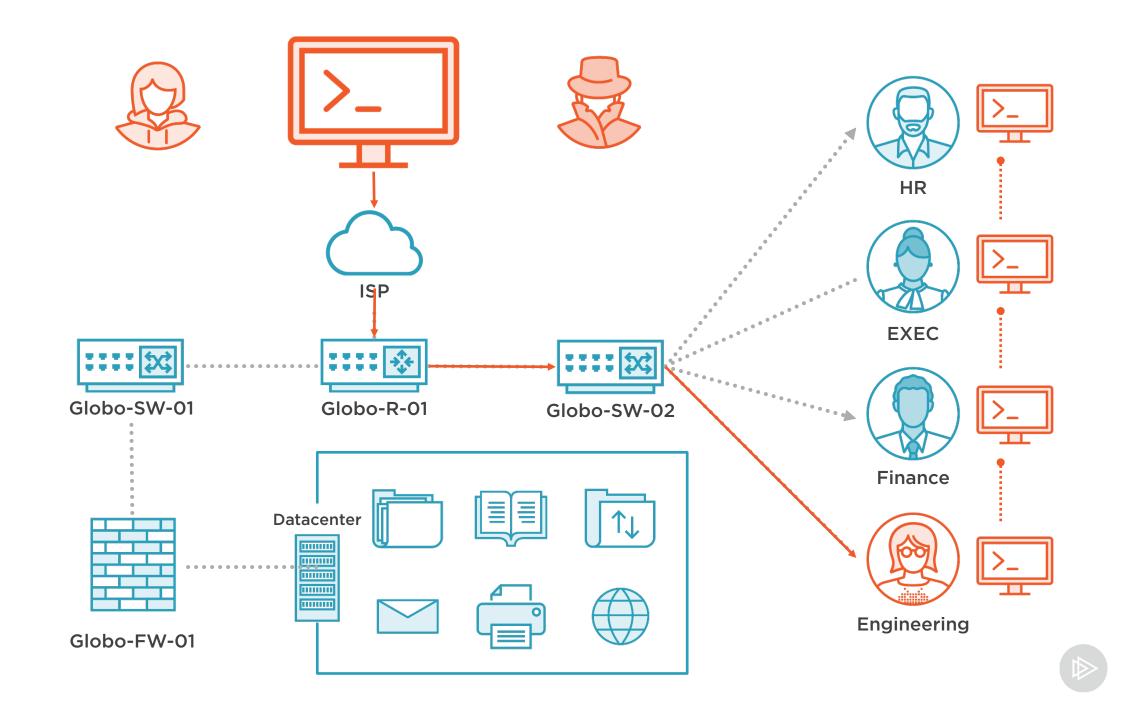
**Initial Access** T1077: Execution Windows Admin Shares T1047: **Lateral Movement Windows Management** Instrumentation Collection **Impact** 

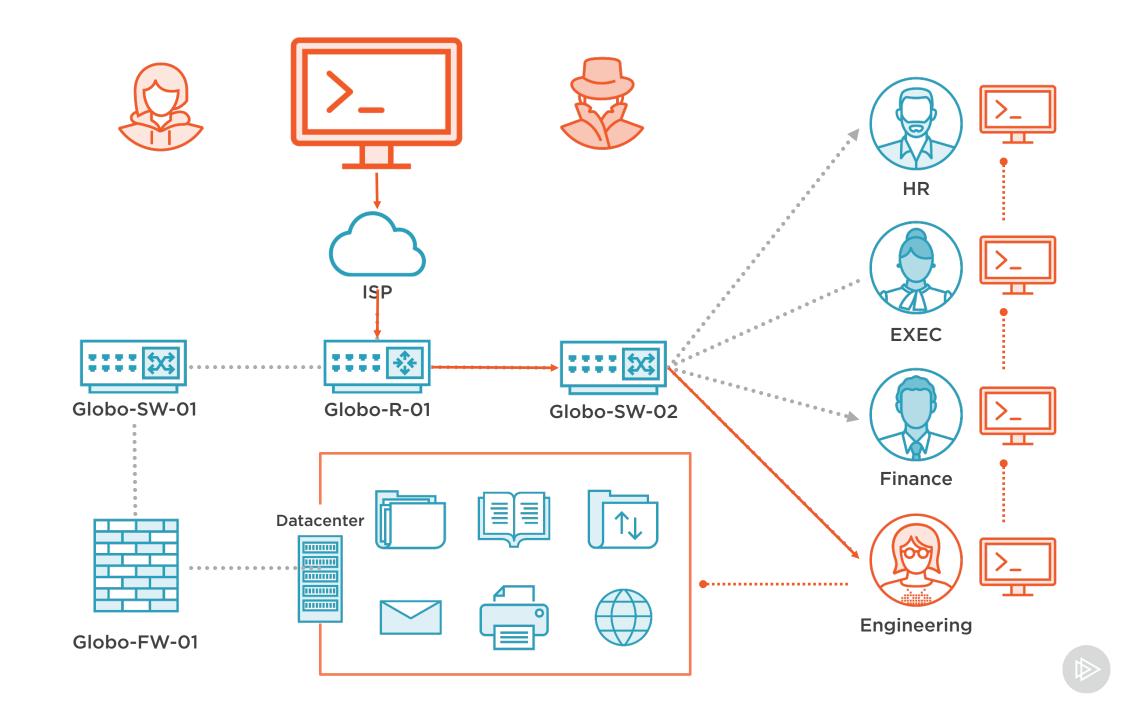
**Tactics** 













#### **Getting started with WMIOps**

- Obtain the WMIOps scripts and place them on an exploited machine
- Explore the available options





### Use WMIOps to execute PowerShell commands on other Windows machines

- Use WMIOps commands to execute PowerShell commands
- Use WMIOps to manipulate services and scheduled jobs remotely

Using these features will allow you to run commands on remote workstations





### Use WMIOps to gather information from remote Windows hosts

- Use WMIOps commands to gather system information
- Use WMIOps to create a share and move files between systems

WMIOps enables you to gather system information and move files between machines





# Use WMIOps to run PowerShell scripts and manipulate services to laterally move through a network

- Use WMIOps to run PowerShell scripts remotely and access additional systems
- Use WMIOps PowerShell commands to enable remote PowerShell access

Using these techniques allows you to move laterally though a network



#### More Information

Know thy self, know thy enemy. ~ Sun Tzu

#### WMIOps uses and history

WMIOps usage

https://github.com/FortyNorthSecurity/WMIOps

WMIOps release blog post

https://www.christophertruncer.com/introducing-wmi-ops/

#### Lateral movement

MITRE ATT&CK lateral movement

https://attack.mitre.org/tactics/TA0008/

Other Windows tools for lateral movement

- Remote Desktop
- PsExec
- WinRM

