Execution: Unicorn

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Creator: Dave Kennedy

Unicorn is a simple tool for using the PowerShell downgrade attack. The open-source tool available on GitHub.

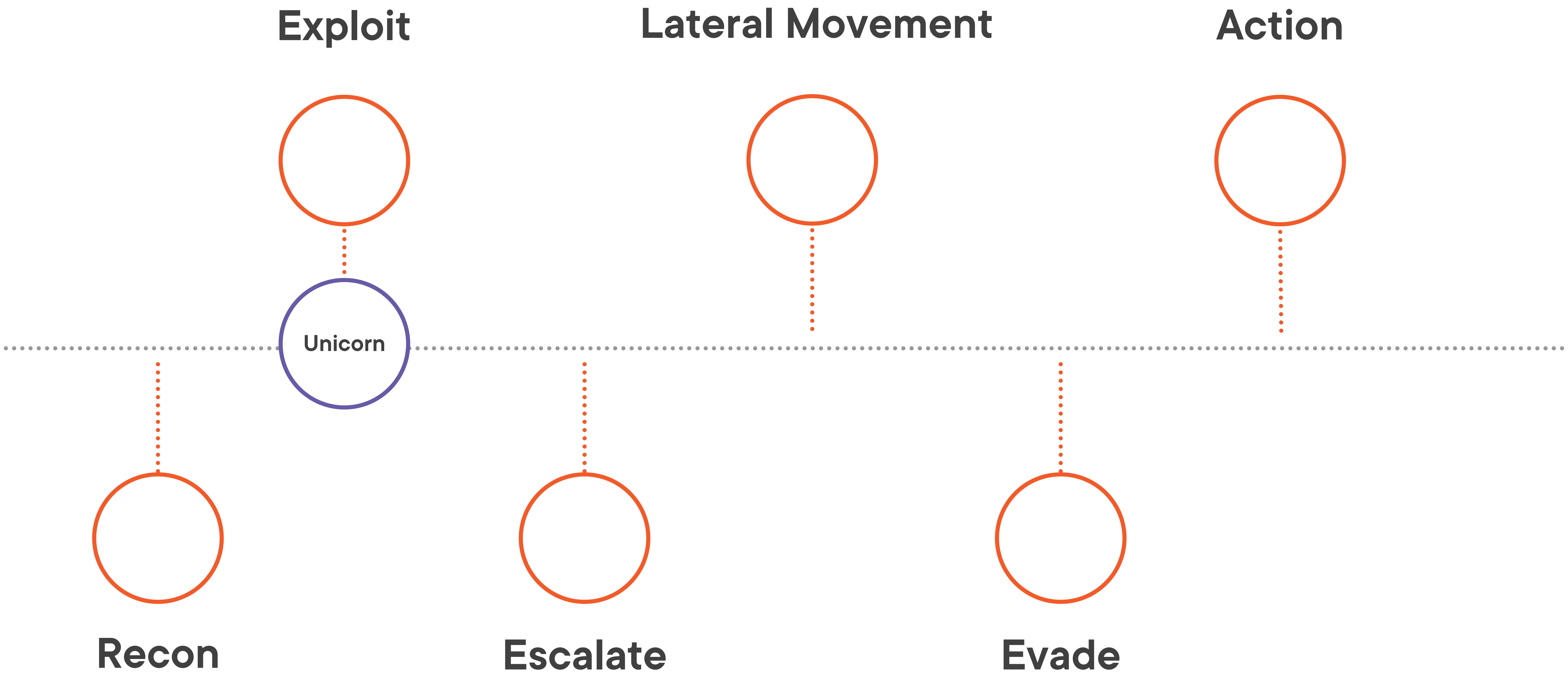
Unicorn generates PowerShell commands with payloads.

Unicorn is available on GitHub.

Unicorn enables in-memory execution of shellcode.

Unicorn uses a PowerShell downgrade attack to execute your own shellcode, cobalt strike, or Metasploit payloads.

Kill Chain


Exploit
Lateral Movement
Action
Unicorn
Recon
Escalate
Evade

MITRE ATT&CK

Tactics	Initial Access Execution Persistence Privilege Escalation Defense Evasion Credential Access Discovery Lateral Movement Collection Command & Control Exfiltration Impact

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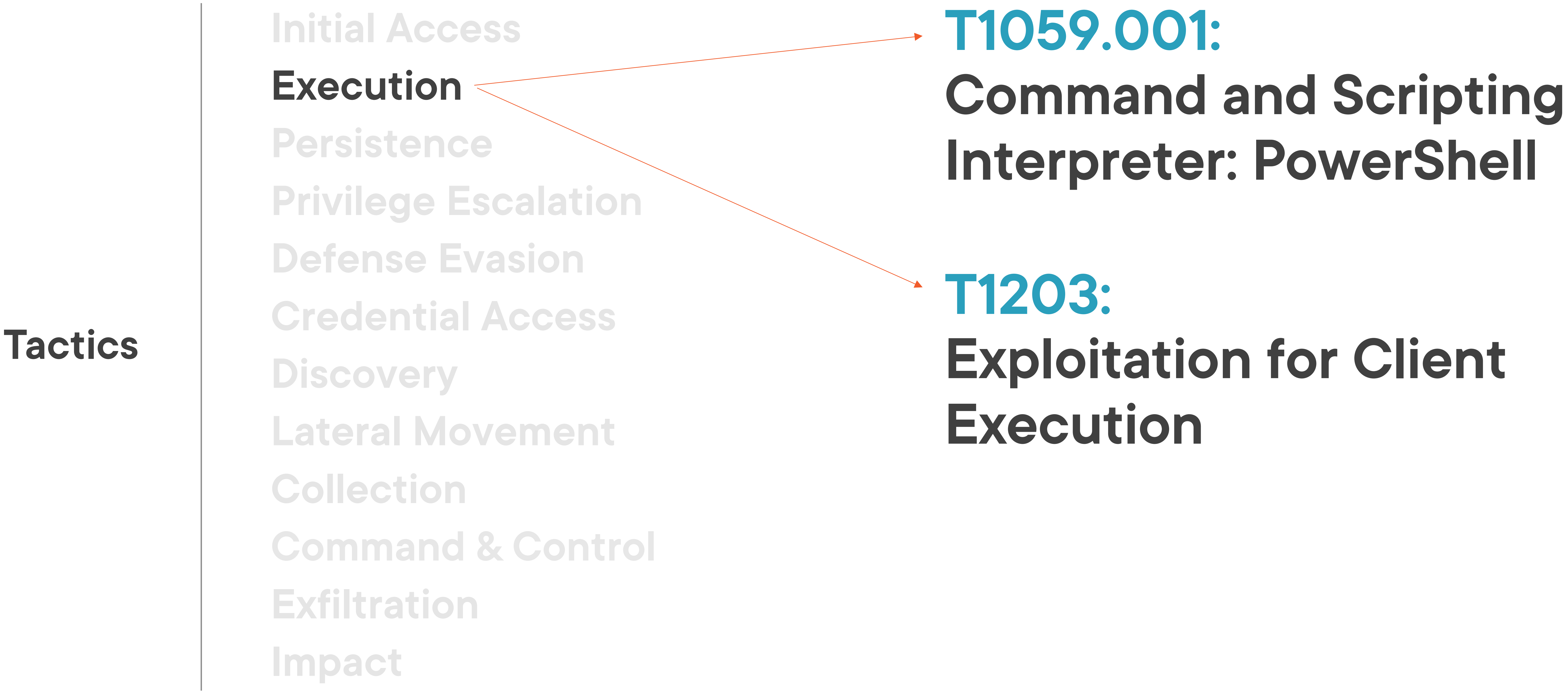
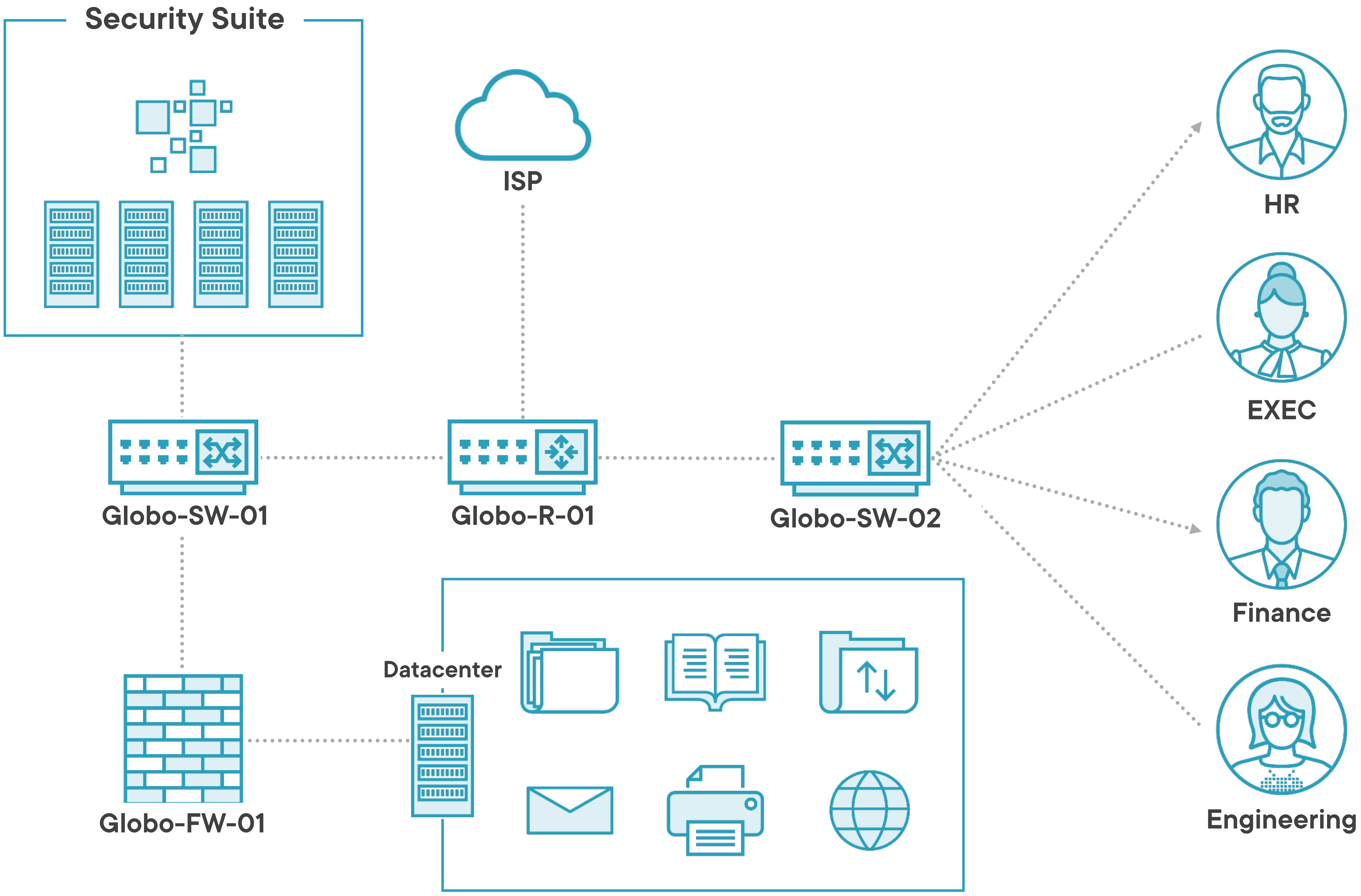


Tactics

- Initial Access
- **Execution**
- Persistence
- Privilege Escalation
- Defense Evasion
- Credential Access
- Discovery
- Lateral Movement
- Collection
- Command & Control
- Exfiltration
- Impact

T1059.001:
Command and Scripting Interpreter: PowerShell

T1203:
Exploitation for Client Execution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Finance
Datacenter
Globo-FW-01
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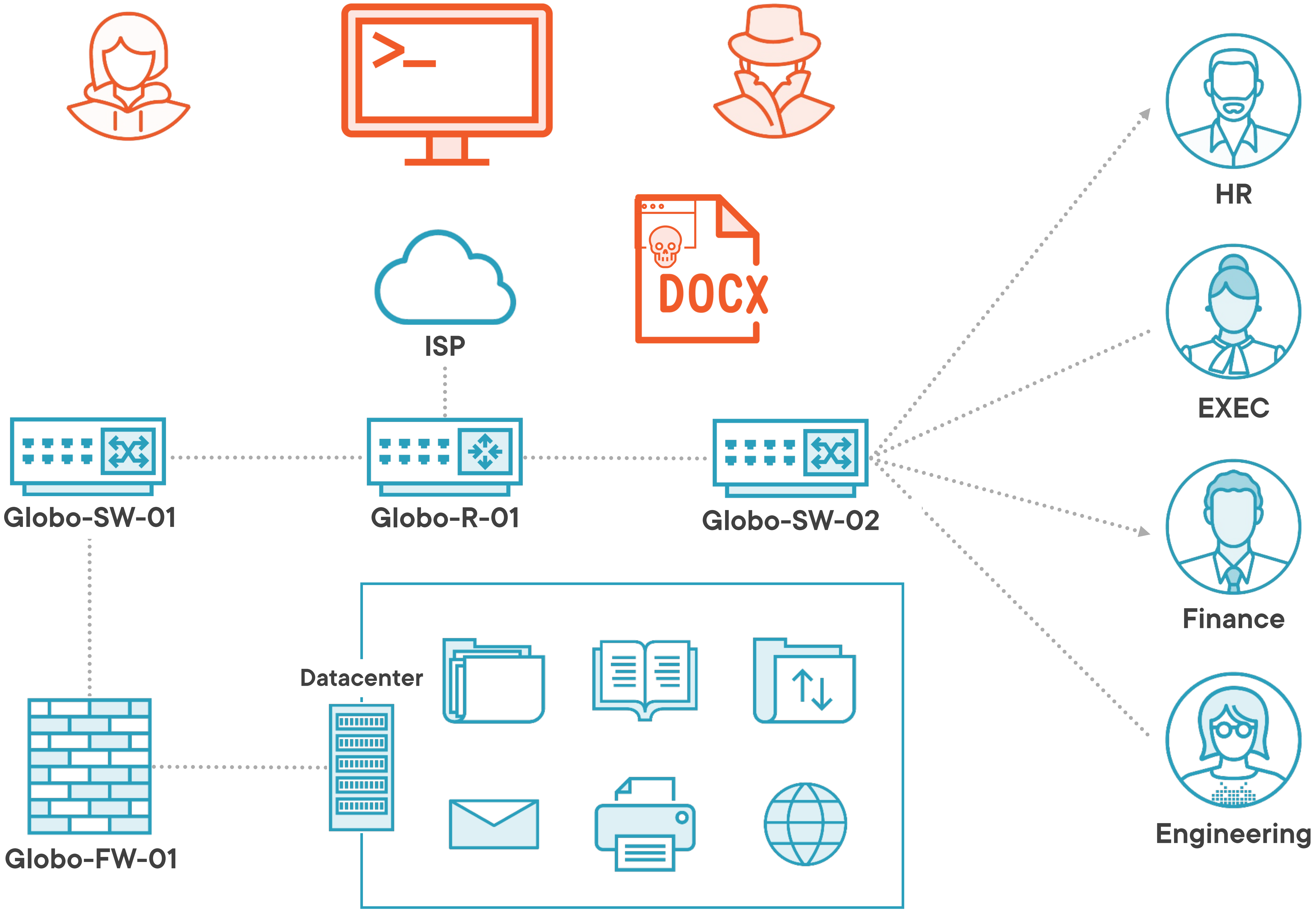
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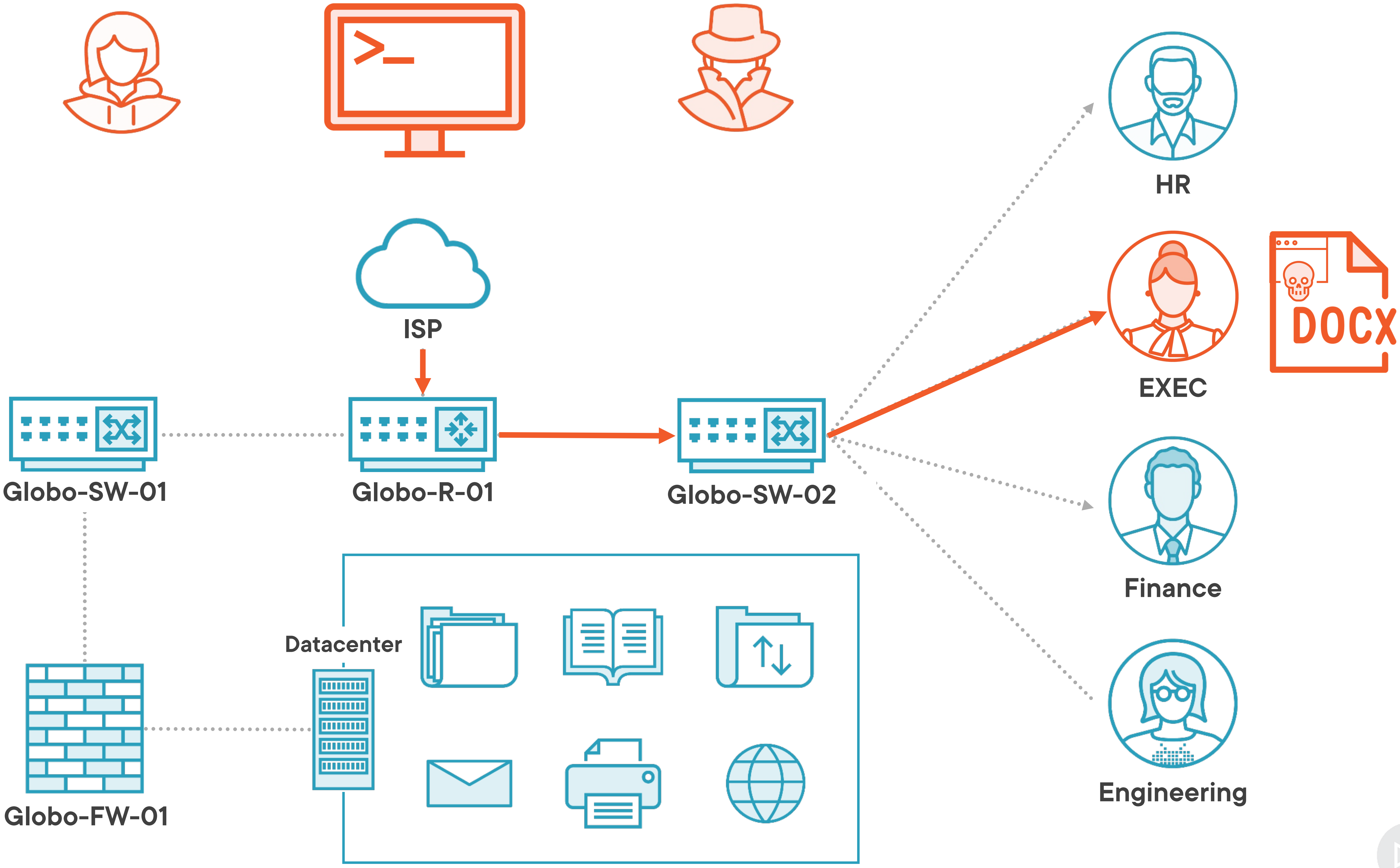
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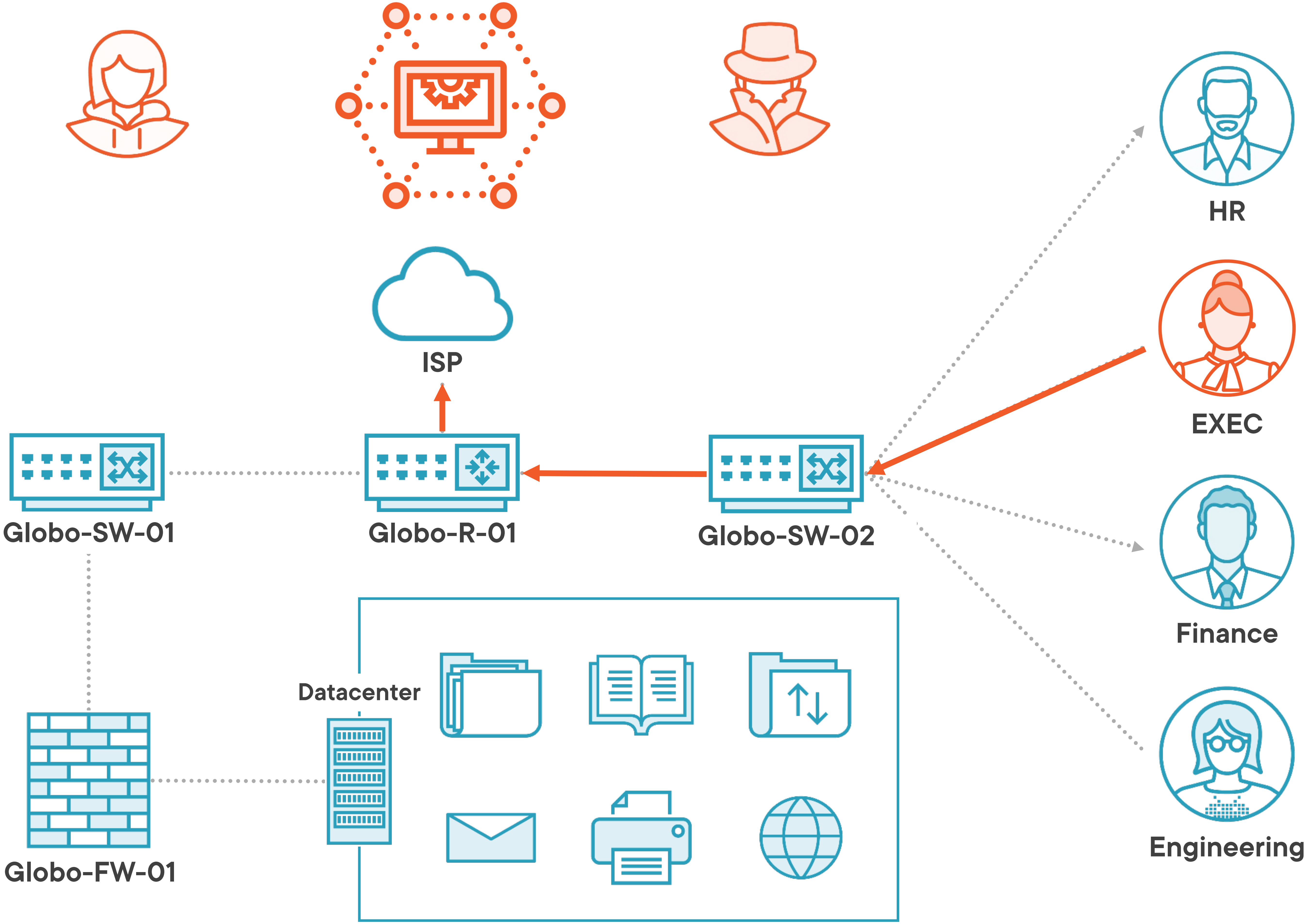
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Demo

PowerShell Attacks with Unicorn

- Lab environment
- Exploring Unicorn’s options
- Explore additional built-in tools

Demo

Creating payloads for client execution

- Generate PowerShell command
- Create multiple payloads using Unicorn

Using these features allows you to easily create multiple attacks for execution.

Demo

Execute payloads on a remote host

- Execute the attacks we generated in the previous demo
- Observe the results in our lab

Executing the payloads allows us to test our Unicorn commands on a target.

Demo

Creating payloads with custom shellcode

- Generate shellcode outside of Unicorn
- Reformat for use with Unicorn
- Generate a payload with shellcode
- Test the attack on a remote host

Using these features allows you to incorporate your own Shellcode into these attacks with Unicorn.