## Lateral Movement with Mimikatz



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# Mimikatz



## Mimikatz

**Creator: Benjamin Delpy** 

Mimikats is a tool used to extract plain text passwords, hashes, kerberos tickets, and PIN codes from memory. In addition Mimikatz can also used to pass the hash, pass the ticket or create golden and silver tickets



## **Mimikatz**

Well-known credential dumping tool

Used for lateral movement

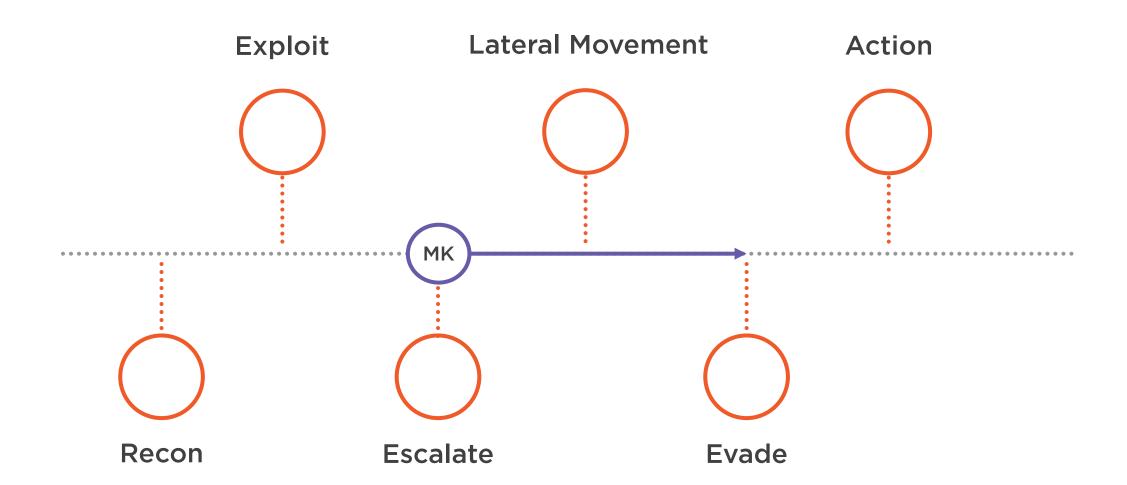
Used towards defense evasion

#### GitHub:

- https://github.com/gentilkiwi/mimikatz



## Kill Chain





#### MITRE ATT&CK

**Tactics** 

**Initial Access** 

**Execution** 

Persistence

**Privilege Escalation** 

**Defense Evasion** 

**Credential Access** 

Discovery

**Lateral Movement** 

Collection

**Command & Control** 

**Exfiltration** 

**Impact** 

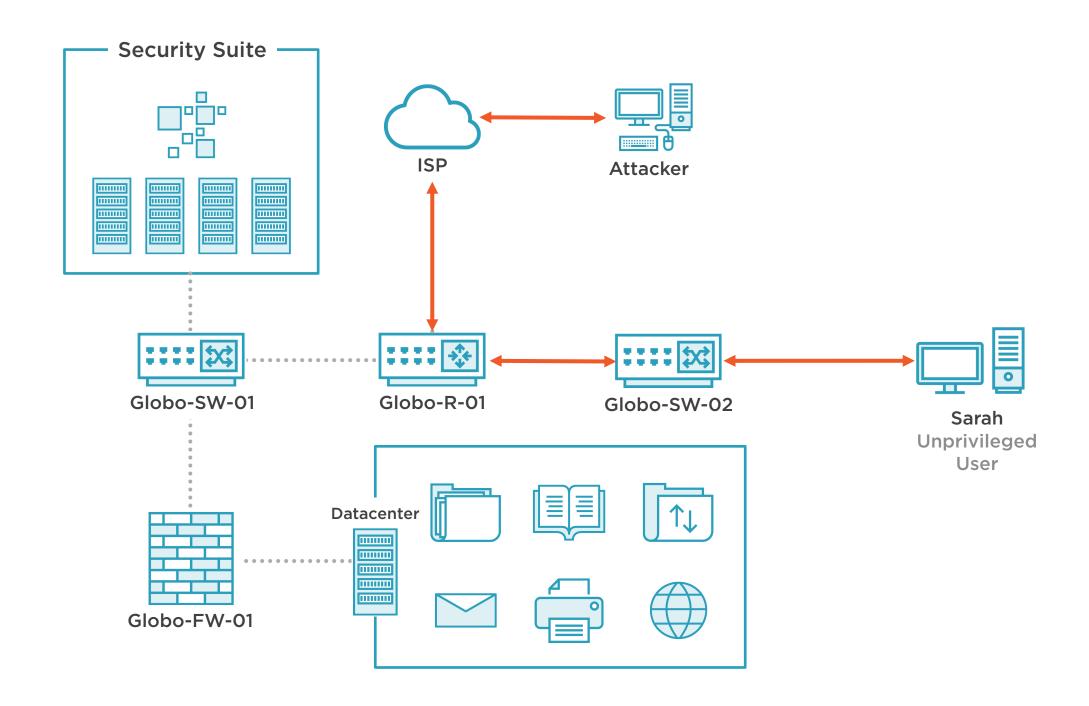


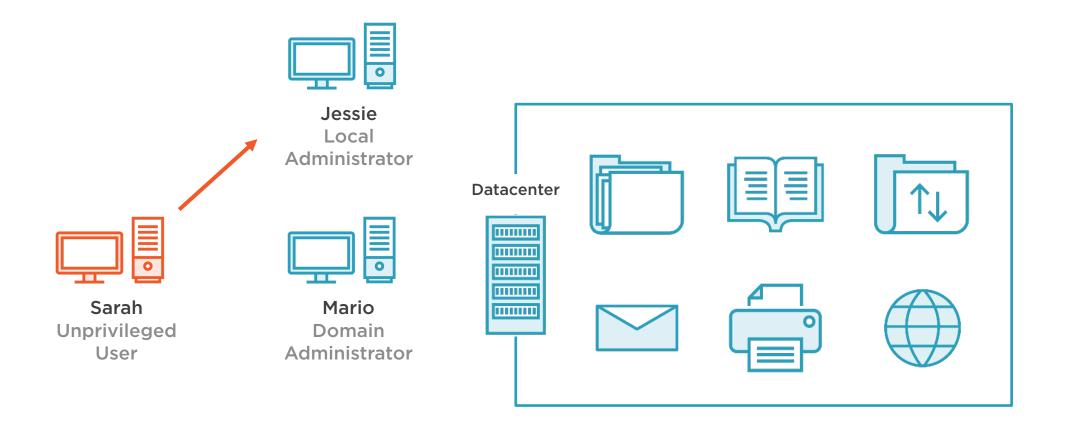
#### MITRE ATT&CK

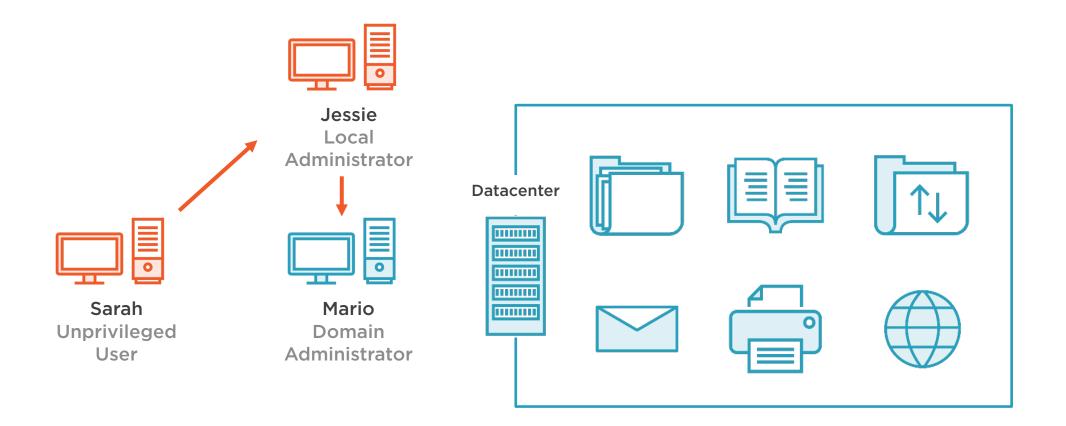
Initial Access T1207: **Defense Evasion -DCShadow** T1075: Pass the Hash **Lateral Movement** T1097: Collection Pass the Ticket Command & Control **Impact** 

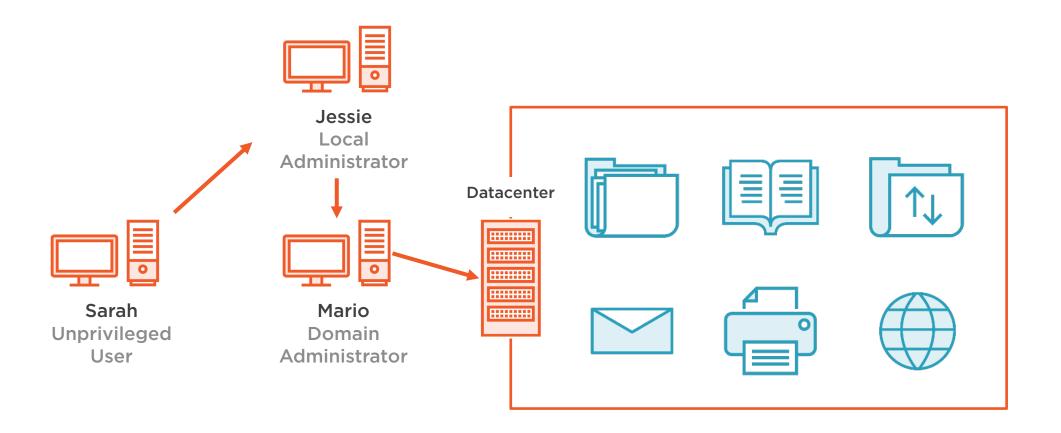
**Tactics** 













Using Mimikatz to Pass the Hash (PTH)





Use Mimikatz to Pass the Ticket (PTT)





**Use Mimikatz to create Golden Tickets** 





**Use Mimikatz to create Silver Tickets** 





Register a rogue domain controller with DCShadow



#### More Information

#### **Capabilities**

Mimikatz Wiki

https://github.com/gentilkiwi/mimikatz/wiki

MITRE ATT&CK

https://attack.mitre.org/software/S0002/

Active Directory Security - Unofficial Guide to Mimikatz & Command Reference

https://adsecurity.org/?p=2207

#### **Additional Resources**

**Benjamin Delpy on Twitter** 

https://twitter.com/gentilkiwi?lang=en

