Initial Access 9 techniques	Execution 10 techniques	Persistence 18 techniques	Privilege Escalation 12 techniques	Defense Evasion  34 techniques	Credential Access 14 techniques	<b>Discovery</b> 24 techniques	Lateral Movement 9 techniques	Collection 16 techniques	Command and Control  16 techniques	Exfiltration 9 techniques	Impact 13 techniques
Valid Accounts		Scheduled Task/Job	12 teerinques		entication Process	System Service Discovery	Remote Services	■ Data from Local System	Data Obfuscation	Exfiltration Over Other	■ Data Destruction
Replication Through	Windows Management	Seriedated taskyses	Valid Accounts			twork Sniffing	Software Deployment	Data from Removable	Fallback Channels	Network Medium	Data Encrypted for Impact
Removable Media	Instrumentation		Hijack Execution Flow		■ OS Credential Dumping	■ Application Window	Tools	Media	Application Layer Protocol	Scheduled Transfer	Service Stop
Trusted Relationship	Software Deployment	Boot or Logon	Initialization Scripts	■ Direct Volume Access	Input Capture	■ Discovery	Replication Through	Input Capture	■ Proxy	Data Transfer Size Limits	Inhibit System Recovery
Supply Chain Compromise	<u> </u>		dify System Process	■ Rootkit	Brute Force	≡ System Network	Removable Media	Data Staged	■ Communication Through	Exfiltration Over	Defacement
Hardware Additions	Shared Modules		gered Execution	■ Obfuscated Files or	Two-Factor Authentication		Internal Spearphishing	Screen Capture	Removable Media	C2 Channel	Firmware Corruption
Exploit Public-Facing	User Execution		Autostart Execution	■ Information	Interception	System Owner/User	Use Alternate	≡ Email Collection	■ Web Service	Exfiltration Over	■ Resource Hijacking
Application	Exploitation for Client	Account Manipulation		ss Injection	Exploitation for Credentia		Authentication Material	Clipboard Data	Multi-Stage Channels	Physical Medium	Network Denial of Service
Phishing	≡ Execution	External Remote Services			Access	System Network	Lateral Tool Transfer	Automated Collection	Ingress Tool Transfer	Exfiltration Over	≡ Endpoint Denial of Service
External Remote Services	System Services	Office Application Startup	■ Group Pol	icy Modification	Steal Web Session Cookie	Connections Discovery	Taint Shared Content	Audio Capture	Data Encoding	Web Service	System Shutdown/Reboot
Drive-by Compromise	Command and Scripting	■ Create Account	■ Abuse Elevatio	n Control Mechanism	■ Unsecured Credentials	■ Permission Groups	Exploitation of Remote	Video Capture	Traffic Signaling	Automated Exfiltration	Account Access Removal
	Interpreter	Browser Extensions	Exploitation for Privilege	Indicator Removal on Host	■ Credentials from	■ Discovery	Services	Man in the Browser	Remote Access Software	Exfiltration Over	■ Disk Wipe
	Native API	Traffic Signaling	<b>≡</b> Escalation	Modify Registry	Password Stores	File and Directory	Remote Service Session	■ Data from Information	■ Dynamic Resolution	Alternative Protocol	Data Manipulation
	Inter-Process	■ BITS Jobs		Trusted Developer Utilities	■ Steal or Forge Kerberos	■ Discovery	Hijacking	Repositories	Non-Standard Port	Transfer Data to	
■ Has sub-techniques	Communication	Server Software		Proxy Execution	Tickets	Peripheral Device		Man-in-the-Middle	■ Protocol Tunneling	Cloud Account	
		Component		Traffic Signaling	Forced Authentication	Discovery		Archive Collected Data	≡ Encrypted Channel		
		Pre-OS Boot		Signed Script Proxy	■ Steal Application Access	Network Share Discovery		Data from Network	Non-Application Layer		
		Compromise Client		Execution	Token	Password Policy Discovery		Shared Drive	Protocol		
		Software Binary		Rogue Domain Controller	Man-in-the-Middle	<b>≡</b> Browser Bookmark		Data from Cloud			
		Implant Container Image		Indirect Command		Discovery		Storage Object			
				Execution		Virtualization/Sandbox	≣				
				BITS Jobs		Evasion					
				XSL Script Processing		Cloud Service Dashboard					
				Template Injection		Software Discovery	<b>■</b>				
				File and Directory	≣	Query Registry					
				Permissions Modification		Remote System Discovery					
				Virtualization/Sandbox	≣	Network Service Scanning					
				Evasion		Process Discovery					

System Information

Account Discovery

System Time Discovery

Domain Trust Discovery

Cloud Service Discovery

Discovery

Unused/Unsupported

Authentication Material

Deobfuscate/Decode Files

Cloud Regions

Use Alternate

Impair Defenses

Hide Artifacts

Masquerading

or Information

Execution

Evasion

Signed Binary Proxy

**Execution Guardrails** 

Infrastructure

Pre-OS Boot

Modify Cloud Compute

Subvert Trust Controls

Exploitation for Defense

## MITRE ATT&CK® Enterprise Framework

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