Initial Access 9 techniques	Execution 10 techniques	Persistence 18 techniques	Privilege Escalation 12 techniques	Defense Evasion 34 techniques	Credential Acces 14 techniques	Discovery 24 techniques	Lateral Movement 9 techniques	Collection 16 techniques	Command and Contro	Exfiltration 9 techniques	Impact 13 techniques
Valid Accounts		Scheduled Task/Job	12 techniques	· ·	hentication Process	■ System Service Discovery	Remote Services	■ Data from Local System		≡ Exfiltration Over Other	■ Data Destruction
Replication Through	Windows Management		Valid Accounts	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Network 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 Protoco		Service Stop
Frusted Relationship	Software Deployment	Boot or Logor		Direct Volume Access	Input Capture	■ Discovery	Replication Through	Input Capture	≡ Proxy	■ Data Transfer Size Limits	Inhibit System Recovery
Supply Chain Compromise			<u>'</u>	Rootkit	Brute Force	≡ System Network	Removable Media	Data Staged		Exfiltration Over	Defacement
Hardware Additions	Shared Modules			Obfuscated Files or	■ Two-Factor Authentication	<u> </u>	Internal Spearphishing	Screen Capture	Removable Media	C2 Channel	Firmware Corruption
Exploit Public-Facing	User Execution	+		Information	Interception	System Owner/User	Use Alternate	≡ Email Collection	■ Web Service	≡ Exfiltration Over	■ Resource Hijacking
Application	Exploitation for Client			Injection	■ Exploitation for Credenti		Authentication Material	Clipboard Data	Multi-Stage Channels	Physical Medium	Network Denial of Service
Phishing	Execution	External Remote Services		Manipulation	■ 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		Modification	Steal Web Session Cook	<u> </u>	Taint Shared Content	Audio Capture	Data Encoding	■ Web Service	System Shutdown/Reboot
Orive-by Compromise	Command and Scripting	■ Create Account	· ·	Control Mechanism	■ Unsecured Credentials	■ Permission Groups	≡ Exploitation of Remote	Video Capture	Traffic Signaling	■ Automated Exfiltration	Account Access Removal
, 1	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	≡ 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		<u> </u>	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	■ 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	=				
				File and Directory	=	Query Registry					
				Permissions Modification		Remote System Discovery					
				Virtualization/Sandbox	=	Network Service Scanning					
				Evasion		Process Discovery					
				Unused/Unsupported		System Information					
				Cloud Regions		Discovery					
				Use Alternate	=	Account Discovery	=				
				Authentication Material		System Time Discovery					
				Impair Defenses	=	Domain Trust Discovery					
				Hide Artifacts	=	Cloud Service Discovery					
				Masquerading	=	,					
				Deobfuscate/Decode Files							
				or Information							
				Signed Binary Proxy	=						
				Execution							
				Exploitation for Defense							

Evasion

Execution Guardrails

Infrastructure

Pre-OS Boot

Modify Cloud Compute

Subvert Trust Controls

MITRE ATT&CK® Enterprise Framework

attack.mitre.org

