





Endpoint Protection

Reconnaissance 10 techniques	Resource Development 7 techniques	Initial Access 9 techniques	Execution 13 techniques	Persistence 12 techniques	Privilege Escalation 13 techniques	Defense Evasion 42 techniques	Credential Access 17 techniques	Discovery 30 techniques	Lateral Movement 9 techniques	Collection 17 techniques	Command and Control 10 techniques	Exfiltration 9 techniques	Impact 13 techniques
Active Scanning (2)	Acquire Infrastructure (7)	Drive-by Compromise	Command and Scripting Interpreter (2)	Account Manipulation (5)	Abuse Elevation Control Mechanism (4)	Abuse Elevation Control Mechanism (4)	Adversary-in-the-Middle (3)	Account Discovery (4)	Exploitation of Remote Services	Adversary-in-the-Middle (3)	Application Layer Protocol (4)	Automated Exfiltration (1)	Account Access Removal
Gather Victim Host Information (4)	Compromise Accounts (3)	Exploit Public-Facing Application	Compilant Admin-Scripting Command	BITS Jobs	Access Token Manipulation (5)	Access Token Manipulation (5)	Brute Force (4)	Application Window Discovery	Internal Spoofing	Archive Collected Data (3)	Communication Through Removable Media	Data Transfer Size Limit	Data Destruction
Gather Victim Identity Information (3)	Compromise Infrastructure (7)	External Remote Services	Deploy Container	Boot or Logon Execution (14)	Boot or Logon Execution (14)	Boot or Logon Execution (14)	Credential from Password Stores (5)	Browser Bookmark Discovery	Legacy Tool Transfer	Audio Capture	Data Erasing (2)	Cyberlock Over Alternative Protocol (3)	Data Encrypted for Impact
Gather Victim Network Information (4)	Greenpwn Capabilities (4)	Hardware Addition	Exploitation for Client Execution	Boot or Logon (1) Malicious Script (5)	Boot or Logon (1) Malicious Script (5)	Build Image on Host	Exploitation for Credential Access	Cloud Infrastructure Discovery	Remote Service Session Hijacking (2)	Automated Collection	Data Flooding (2)	Cyberlock Over SSH Channel	Data Manipulation (2)
Gather Victim Org Information (4)	Establish Accounts (3)	Phishing (3)	Inter-Process Communication (3)	Browser Extensions	Deny/Authorize/Deceive File or Information	Debugger Evasion	Escaped Authentication	Cloud Service Dashboard	Remote Services (2)	Browser Session Hijacking	Data Hijacking (3)	Cyberlock Over Web Network Protocol (1)	Defacement (2)
Phishing for Information (3)	Obtain Capabilities (5)	Replication Through Removable Media	Native API	Compromise Client Software Binary	Create or Modify System Process (4)	Deploy Container	Evade Web Content (3)	Cloud Service Discovery	Application Through Removable Media	Clipboard Data	Deny/Authorize/Deceive File or Information (3)	Cyberlock Over Web Network Protocol (1)	Disk Wipe (2)
Search Closed Sources (2)	Stage Capabilities (5)	Supply Chain Compromise (3)	Scheduled Task Job (5)	Create or Modify System Process (4)	Domain Policy Modification (2)	Direct Volume Access	Input Capture (4)	Cloud Storage Object Discovery	Software Deployment Tools	Data from Cloud Storage	Encrypted Channel (2)	Cyberlock Over Web Network Protocol (1)	Endpoint Denial of Service (4)
Search Open Technical Data Sets (3)		Trusted Relationship	Serveless Execution	Create or Modify System Process (4)	Event Triggered Execution (14)	Domain Policy Modification (2)	Mobile Authentication Process (7)	Container and Resource Discovery	Tool Shared Content	Data from Configuration Repository (2)	Fallback Channels	Cyberlock Over Web Network Protocol (1)	Firmware Corruption
Search Open Websites/Domains (3)		Valid Accounts (4)	Shared Modules	Event Triggered Execution (14)	Escape to Host	Execution Guardrails (1)	Multi-Factor Authentication Interception	Debugger Evasion	Just Shared Content	Data from Local System	Ingress Tool Transfer	Cyberlock Over Web Network Protocol (1)	Network Denial of Service (2)
Search Victim-Owned Websites			Software Deployment Tools	External Remote Services	Exploitation for Privilege Escalation	Exploitation for Defense Evasion	Multi-Factor Authentication Interception	Domain Trust Discovery	Just Shared Content	Data from Information Repository (3)	Multi-Stage Channels	Scheduled Transfer	Resource Hijacking
			System Services (3)	Hijack Execution Flow (12)	Hijack Execution Flow (12)	File and Directory Manipulation (2)	Network Service Discovery	Group Policy Discovery	Just Shared Content	Data from Network Shared Drive	Non-Application Layer Protocol	Transfer Data to Cloud Account	Service Stop
			User Execution (3)	Inject Internal Image	Process Injection (12)	Hide Artifacts (10)	Network Share Discovery	File and Directory Manipulation (2)	Just Shared Content	Data from Removable Media	Protocol Tunneling		System Shutdown/Reboot
			Windows Management Instrumentation	Modify Authentication Process (7)	Scheduled Task Job (5)	Impair Defenses (3)	Network Sniffing	Network Service Discovery	Just Shared Content	Data Staged (2)	Proxy (4)		
				Office Application Startup (3)	Valid Accounts (4)	Indicator Removal (3)	OS Credential Dumping (3)	Network Sniffing	Just Shared Content	Email Collection (3)	Remote Access Software		
				Pre-OS Boot (5)		Inject Command Execution	OS Credential Dumping (3)	Peripheral Device Discovery	Just Shared Content	Input Capture (4)	Traffic Signaling (2)		
				Scheduled Task Job (5)		Maneuvering (7)	Indicator Removal (3)	Permission Groups Discovery (3)	Just Shared Content	Screen Capture	Web Service (3)		
				Service Software Component (5)		Modifiable Authentication Process (7)	Indicator Removal (3)	Process Discovery	Just Shared Content	Video Capture			
				Traffic Signaling (2)		Modifiable Cloud Compute Infrastructure (4)	Indicator Removal (3)	Query Registry	Just Shared Content				
						Modifiable Registry	Indicator Removal (3)	Remote System Discovery	Just Shared Content				
						Modifiable System Image (2)	Indicator Removal (3)	Software Discovery (1)	Just Shared Content				
						Network Boundary Bridging (1)	Indicator Removal (3)	System Information Discovery	Just Shared Content				
						Obfuscated Files or Information (3)	Indicator Removal (3)	System Location Discovery (1)	Just Shared Content				
						Prior File Modification	Indicator Removal (3)	System Network Configuration Discovery (1)	Just Shared Content				
						Pre-OS Boot (5)	Indicator Removal (3)	System Network Connections Discovery	Just Shared Content				
						Process Injection (12)	Indicator Removal (3)	System Owner/User Discovery	Just Shared Content				
						Reflective Code Loading	Indicator Removal (3)	System Service Discovery	Just Shared Content				
						Regulate Domain Controller	Indicator Removal (3)	System Time Discovery	Just Shared Content				
						Rootkit	Indicator Removal (3)	Virtualization/Sandbox Evasion (3)	Just Shared Content				
						Subvert Trust Controls (4)	Indicator Removal (3)		Just Shared Content				
						System Binary Proxy Execution (12)	Indicator Removal (3)		Just Shared Content				
						System Serial Proxy Execution (1)	Indicator Removal (3)		Just Shared Content				
						Template Injection	Indicator Removal (3)		Just Shared Content				
						Traffic Signaling (2)	Indicator Removal (3)		Just Shared Content				
						Trusted Developer Utilities Proxy Execution (1)	Indicator Removal (3)		Just Shared Content				
						Unapproved/Unsupported Executables	Indicator Removal (3)		Just Shared Content				
						User Alternative Authentication Material (4)	Indicator Removal (3)		Just Shared Content				
						Valid Accounts (4)	Indicator Removal (3)		Just Shared Content				
						Virtualization/Sandbox Evasion (3)	Indicator Removal (3)		Just Shared Content				
						Weak Encryption (2)	Indicator Removal (3)		Just Shared Content				
						XML Script Processing	Indicator Removal (3)		Just Shared Content				

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➔ Mitre Attack Matrix



Reconnaissance 10 techniques	Resource Development 7 techniques	Initial Access 9 techniques	Execution 13 techniques	Persistence 12 techniques	Privilege Escalation 13 techniques	Defense Evasion 42 techniques	Credential Access 17 techniques	Discovery 30 techniques	Lateral Movement 9 techniques	Collection 17 techniques	Command and Control 15 techniques	Exfiltration 9 techniques	Impact 13 techniques
Active Scanning (2)	Acquire Infrastructure (2)	Drive-by Compromise	Command and Scripting Interpreter (8)	Account Manipulation (5)	Abuse Elevation Control Mechanism (4)	Abuse Elevation Control Mechanism (4)	Adversary-in-the-Middle (3)	Account Discovery (4)	Exploitation of Remote Services	Adversary-in-the-Middle (3)	Application Layer Protocol (4)	Automated Exfiltration (1)	Account Access Removal
Gather Victim Host Information (4)	Compromise Accounts (5)	Exploit Public-Facing Application	Computer Administration Command	BITS Jobs	Access Token Manipulation (5)	Access Token Manipulation (5)	Brute Force (4)	Application Window Discovery	Internal Spoofing	Archive Collected Data (5)	Communication Through Removable Media	Data Transfer Size Limits	Data Destruction
Gather Victim Identity Information (3)	Compromise Infrastructure (2)	External Remote Services	Deploy Container	Boot or Logon Automation	Boot or Logon Execution (14)	Boot or Logon Automation	Credentials from Password Stores (8)	Browser Bookmark Discovery	Local Tool Transfer	Audio Capture	Data Encryption (2)	Data Encrypted for Impact	Data Encrypted for Impact
Gather Victim Network Information (5)	Green Capabilities (4)	Hardware Assistants	Exploitation for Client Execution	Boot or Logon Script (5)	Boot or Logon Execution (14)	Boot or Logon Execution (14)	Exploitation for Credential Access	Cloud Infrastructure Discovery	Remote Service Session Hijacking (2)	Automated Collection	Data Exfiltration (3)	Exfiltration Over Alternative Protocol (1)	Data Manipulation (2)
Gather Victim Org Information (4)	Establish Accounts (5)	Phishing (2)	Inter-Process Communication (3)	Browser Extensions	Create or Modify System Process (4)	Debugging/Debugger Evasion	Faked Authentication	Cloud Service Dashboard	Remote Services (6)	Browser Session Hijacking	Deny or Disrupt (3)	Exfiltration Over C2 Channel	Defacement (2)
Phishing for Information (3)	Obtain Capabilities (8)	Replication Through Removable Media	Native API	Compromise Client Software Binary	Create or Modify System Process (4)	Deobfuscate/Decompile File or Information	Forge Web Credentials (2)	Cloud Service Discovery	Scripted Services (6)	Clipboard Data	Deny or Disrupt (3)	Exfiltration Over Other Network Medium (1)	Disk Wipe (2)
Search Closed Sources (2)	Stage Capabilities (8)	Supply Chain Compromise (2)	Scheduled Task/Job (5)	Domain Policy Modification (2)	Domain Policy Modification (2)	Direct Volume Access	Input Capture (4)	Cloud Storage Object Discovery	Replication Through Removable Media	Data from Cloud Storage	Encrypted Channel (2)	Exfiltration Over Physical Medium (1)	Escaped Denial of Service (4)
Search Open Technical Databases (5)	Triad Relationship	Trusted Relationship	Serverless Execution	Event Triggered Execution (14)	Event Triggered Execution (14)	Evolution Guards (1)	Multi-Factor Authentication Interception	Container and Resource Discovery	Software Deployment Tools	Data from Configuration Repository (2)	Fallback Channels	Exfiltration Over Web Service (2)	Firmware Corruption
Search Open Websites/Domains (3)	Valid Accounts (4)	Valid Accounts (4)	Short Modules	External Remote Services	External Remote Services	File and Directory Permissions Modification (2)	Multi-Factor Authentication Request Correlation	Debugger Evasion	Traffic Shared Content	Data from Local System	Internal Tool Transfer	Inhibit System Recovery	Network Denial of Service (2)
Search Victim Owned Websites			Software Deployment Tools	File and Directory Permissions Modification (2)	File and Directory Permissions Modification (2)	Hide Artifacts (16)	Network Sniffing	Domain Trust Discovery	User Alternate Authentication Material (4)	Data from Network Shared Data	Protocol Tunneling	Scheduled Transfer	Resource Hijacking
			System Services (2)	Hide Execution Flow (12)	Hide Execution Flow (12)	Inject Internal Image	OS Credential Dumping (8)	File and Directory Discovery		Data from Remote Media	Proxy (4)	Transfer Data to Cloud Account	Service Stop
			User Execution (2)	Inject Authentication Process (7)	Inject Authentication Process (7)	Modify Authentication Process (7)	Indicator Removal (6)	Group Policy Discovery		Data Staged (2)	Remote Access Software		System Shutdown/Reboot
			Windows Management Instrumentation	Office Application Startup (6)	Office Application Startup (6)	Pre-OS Boot (5)	Inject Command Execution	Network Service Discovery		Email Collection (3)	Traffic Signaling (2)		
				Scheduled Task/Job (5)	Scheduled Task/Job (5)	Scheduled Task/Job (5)	Masking (7)	Network Share Discovery		Input Capture (4)	Web Service (3)		
				Server Software Component (5)	Server Software Component (5)	Server Software Component (5)	Modify Authentication Process (7)	Network Sniffing		Screen Capture			
				Traffic Signaling (2)	Traffic Signaling (2)	Traffic Signaling (2)	Modify Cloud Compute Infrastructure (4)	OS Credential Dumping (8)		Video Capture			
				Valid Accounts (4)	Valid Accounts (4)	Valid Accounts (4)	Modify Registry	Steal Application Access Token					
							Modify System Image (2)	Steal or Forge Authentication Credentials					
							Network Boundary Hopping (1)	Steal or Forge Session Tokens (4)					
							Obfuscated File or Information (3)	Steal Web Session Cookies					
							Persist File Modification	Unusually-Credentials (2)					
							Pre-OS Boot (5)						
							Process Injection (12)						
							Reflective Code Loading						
							Regio Domain Controller Rootkit						
							Subvert Trust Controls (6)						
							System Binary Proxy Execution (12)						
							System Script Proxy Execution (1)						
							Template Injection						
							Traffic Signaling (2)						
							Trusted Developer Utilities Proxy Execution (1)						
							Unusual/Unsupported Cloud Regions						
							User Alternate Authentication Material (4)						
							Valid Accounts (4)						
							Virtualization/Sandbox Evasion (2)						
							Weaken Encryption (2)						
							XSL Script Processing						

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