

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control
Hardware Additions		Scheduled Task		Binary Padding	Credentials in Registry	Browser Bookmark Discovery	Exploitation of Remote Services	Data from Information Repositories	Exfiltration Over Physical Medium	Remote Access Tools
Trusted Relationship	LSASS Driver		Extra Window Memory Injection		Exploitation for Credential Access	Network Share Discovery	Distributed Component Object Model	Video Capture	Exfiltration Over Command and Control Channel	Port Knocking
Supply Chain Compromise	Local Job Scheduling		Access Token Manipulation		Forced Authentication	Peripheral Device Discovery	Remote File Copy	Audio Capture	Exfiltration Over Command and Control Channel	Multi-hop Proxy
	Trap		Bypass User Account Control		Hooking	File and Directory Discovery	Pass the Ticket	Automated Collection	Exfiltration Over Command and Control Channel	Domain Fronting
Spearphishing Attachment	Launchctl		Process Injection		Password Filter DLL	Permission Groups Discovery	Replication Through Removable Media	Data Staged	Data Encrypted	Data Encoding
	Signed Binary Proxy Execution		Image File Execution Options Injection		LLMNR/NBT-NS Poisoning	System Network Connections Discovery	Third-party Software	Input Capture	Data Encrypted	Remote File Copy
Exploit Public-Facing Application	User Execution		Plist Modification		Keychain	System Owner/User Discovery	Shared Webroot	Email Collection	Automated Exfiltration	Multi-Stage Channels
	Exploitation for Client Execution		Valid Accounts		Input Prompt	Windows Remote Management	Logon Scripts	Screen Capture	Exfiltration Over Other Network Medium	Web Service
Replication Through Removable Media	Dynamic Data Exchange		DLL Search Order Hijacking		Private Keys	Account Discovery	Windows Admin Shares	Data Staged	Exfiltration Over Alternative Protocol	Standard Non-Application Layer Protocol
	CMSTP		AppCert DLLs	Signed Script Proxy Execution	Keychain	System Information Discovery	Pass the Hash	Data from Network Shared Drive	Exfiltration Over Alternative Protocol	Standard Non-Application Layer Protocol
Spearphishing via Service	Dynamic Data Exchange		Hooking	DCShadow	Bash History	System Information Discovery	Logon Scripts	Data from Network Shared Drive	Data Transfer Size Limits	Connection Proxy
Spearphishing Link	Mshta		Startup Items	Port Knocking	Two-Factor Authentication Interception	Security Software Discovery	Remote System Discovery	Data from Local System	Data Transfer Size Limits	Multilayer Encryption
Drive-by Compromise	AppleScript		Launch Daemon	Indirect Command Execution	Account Manipulation	Network Service Scanning	Query Registry	Man in the Browser	Data Compressed	Standard Application Layer Protocol
Valid Accounts	Source		Application Shimming	Execution	Credentials in Files	Remote System Discovery	System Service Discovery	Data from Removable Media	Scheduled Transfer	Standard Application Layer Protocol
	Space after Filename		Applnit DLLs	BITS Jobs	Replication Through Removable Media	Remote System Discovery	System Service Discovery			Commonly Used Port
	Execution through Module Load		Web Shell	Control Panel Items	Input Capture	System Service Discovery	System Service Discovery			Standard Cryptographic Protocol
	Regsvcs/Regasm		Service Registry Permissions Weakness	CMSTP	Network Sniffing	System Service Discovery	System Service Discovery			Custom Cryptographic Protocol
	InstallUtil		New Service	Process Doppelgänger	Credential Dumping	System Service Discovery	System Service Discovery			Custom Cryptographic Protocol
	Regsvr32		File System Permissions Weakness	Mshta	Kerberoasting	System Service Discovery	System Service Discovery			Data Obfuscation
	Execution through API		Path Interception	Hidden Files and Directories	Security Memory	System Service Discovery	System Service Discovery			Custom Command and Control Protocol
	PowerShell		Accessibility Features	Space after Filename	Brute Force	System Service Discovery	System Service Discovery			Custom Command and Control Protocol
	Rundll32		Port Monitors	LC_MAIN Hijacking	Account Manipulation	System Service Discovery	System Service Discovery			Communication Through Removable Media
	Third-party Software	Kernel Modules and Extensions	Sudo Caching	HISTCONTROL	Credentials in Files	System Service Discovery	System Service Discovery			Communication Through Removable Media
	Scripting	Port Knocking	SID-History Injection	Hidden Users		System Service Discovery	System Service Discovery			Multiband Communication
	Graphical User Interface	SIP and Trust Provider Hijacking	Sudo	Clear Command History		System Service Discovery	System Service Discovery			Fallback Channels
	Command-Line Interface	Screensaver	Setuid and Setgid	Gatekeeper Bypass		System Service Discovery	System Service Discovery			Uncommonly Used Port
	Service Execution	Browser Extensions	Exploitation for Privilege Escalation	Hidden Window		System Service Discovery	System Service Discovery			
	Windows Remote Management	Re-opened Applications		Deobfuscate/Decode Files or Information		System Service Discovery	System Service Discovery			
	Signed Script Proxy Execution	Rc.common		Trusted Developer Utilities		System Service Discovery	System Service Discovery			
	Control Panel Items	Login Item		Component Object Model Hijacking		System Service Discovery	System Service Discovery			
	Trusted Developer Utilities	LC_LOAD_DYLIB Addition		InstallUtil		System Service Discovery	System Service Discovery			
	Windows Management Instrumentation	Hidden Files and Directories		Regsvr32		System Service Discovery	System Service Discovery			
		Office Application Startup		Code Signing		System Service Discovery	System Service Discovery			
		External Remote Services		Modify Registry		System Service Discovery	System Service Discovery			
		Netsh Helper DLL		Component Firmware Redundant Access		System Service Discovery	System Service Discovery			
		Component Object Model Hijacking		File Deletion		System Service Discovery	System Service Discovery			
		Redundant Access		Web Service		System Service Discovery	System Service Discovery			
		Security Support Provider		Timestamp		System Service Discovery	System Service Discovery			
		Bootkit		NTFS File Attributes		System Service Discovery	System Service Discovery			
		Hypervisor		Process Hollowing		System Service Discovery	System Service Discovery			
		Registry Run Keys / Start Folder		Disabling Security Tools		System Service Discovery	System Service Discovery			
		Logon Scripts		Rundll32		System Service Discovery	System Service Discovery			
		Modify Existing Service		DLL Side-Loading		System Service Discovery	System Service Discovery			
		Shortcut Modification		Indicator Removal on Host		System Service Discovery	System Service Discovery			
		System Firmware		Scripting		System Service Discovery	System Service Discovery			
		Winlogon Helper DLL		Indicator Blocking		System Service Discovery	System Service Discovery			
		Time Providers		Software Packing		System Service Discovery	System Service Discovery			
		BITS Jobs		Masquerading		System Service Discovery	System Service Discovery			
		Launch Agent		Obfuscated Files or Information		System Service Discovery	System Service Discovery			
		.bash_profile and .bashrc		Signed Binary Proxy Execution		System Service Discovery	System Service Discovery			
		Create Account		Exploitation for Defense Evasion		System Service Discovery	System Service Discovery			
		Authentication Package		SIP and Trust Provider Hijacking		System Service Discovery	System Service Discovery			
		Component Firmware		Launchctl		System Service Discovery	System Service Discovery			
		Windows Management Instrumentation Event Subscription		Install Root Certificate		System Service Discovery	System Service Discovery			
		Change Default File Association		Network Share Connection Removal		System Service Discovery	System Service Discovery			
				Regsvcs/Regasm		System Service Discovery	System Service Discovery			
				Indicator Removal from Tools		System Service Discovery	System Service Discovery			
				Rootkit		System Service Discovery	System Service Discovery			

THE MITRE ATT&CK™ ENTERPRISE FRAMEWORK

ATTACK.MITRE.ORG