RECONNAISSANCE 10 techniques	RESOURCE DEVELOPME 8 techniques	NT INITIAL ACCESS 9 techniques	EXECUTION 14 techniques	PERSISTENCE 19 techniques	PRIVILEGE ESCALATION 13 techniques	DEFENSE EVASION 42 techniques	CREDENTIAL ACCESS 17 techniques	DISCOVERY 31 techniques	LATERAL MOVEMENT 9 techniques	COLLECTION 17 techniques	COMMAND AND CONTROL 16 techniques	EXFILTRATION 9 techniques	IMPACT 13 techniques
Active Scanning	Acquire Infrastructure	≡ Valid Accounts	=	Scheduled Task/Job		Modify Au	uthentication Process	≡ System Service Discovery	Remote Services	■ Data from Local System	Data Obfuscation =	Exfiltration Over Other	■ Data Destruction
Gather Victim	Compromise Accounts	■ Replication Through	Windows Management		Valid Accounts	,	≡ N	etwork Sniffing	Software Deployment	Data from Removable	Fallback Channels	Network Medium	Data Encrypted for Impact
Host Information	Compromise Infrastructure	Removable Media	Instrumentation		Hijack Execution Flow		■ OS Credential Dumping	Application Window	Tools Dealise tier Through	Media	Application Layer Protocol	Scheduled Transfer	Service Stop
Gather Victim Identity Information	Establish Accounts	Trusted Relationship	Software Deployment Tools	Boot or Lo	gon Initialization Scripts	Direct Volume Access	Input Capture	Discovery	Replication Through Removable Media	Input Capture	Proxy	Data Transfer Size Limits	Inhibit System Recovery
Gather Victim Network	Obtain Capabilities	Supply Chain Compromise	Shared Modules	Create or	Modify System Process	Rootkit	Brute Force	System Network Configuration Discovery	Internal Spearphishing	— Data Staged	Communication Through	Exfiltration Over C2 Channel	Defacement
Information	Develop Capabilities	Hardware Additions	User Execution		Triggered Execution	Obfuscated Files	Two-Factor Authentication	System Owner/User	Use Alternate	Screen Capture	Removable Media	Exfiltration Over	Firmware Corruption
Gather Victim Org Information	Stage Capabilities	Exploit Public-Facing Application	Exploitation for Client Execution		ogon Autostart Execution	or Information	Interception	Discovery	Authentication Material	Email Collection	■ Web Service ■	Physical Medium	Resource Hijacking
Phishing for Information	= Acquire Access	Phishing	System Services	= Account Manipulation		ss Injection	Exploitation for Credential Access	System Network Connections Discovery	Lateral Tool Transfer	Clipboard Data	Multi-Stage Channels	Exfiltration Over Web Service	Network Denial of Service
Search Closed Sources		External Remote Services	Command and Scripting	 External Remote Services 		en Manipulation	Steal Web Session Cookie	Permission Groups	Taint Shared Content	Automated Collection	Ingress Tool Transfer	Automated Exfiltration	Endpoint Denial of Service
	<u>=</u>	Drive-by Compromise	Interpreter	Office Application Startup		Control Mechanism	= Unsecured Credentials	Discovery	Exploitation of Remote	Audio Capture	Data Encoding	Exfiltration Over	System Shutdown/Reboot
Search Open Technical Databases	=	Drive-by Compromise	Native API	Create Account		icy Modification	Credentials from	File and Directory	Services Remote Service Section	Video Capture	Traffic Signaling	Alternative Protocol	
Search Open	=		Inter-Process	Browser Extensions	Escape to Host	Indicator Removal on Host	= Password Stores	= Discovery	Remote Service Session Hijacking	Browser Session Hijacking	Remote Access Software	Transfer Data to	Account Access Removal
Websites/Domains			Communication	Traffic Signaling	Exploitation for Privilege	Modify Registry	Steal or Forge Kerberos	Peripheral Device Discovery		Data from Information	Dynamic Resolution	Cloud Account	Disk Wipe
Search Victim-Owned Websites			Container Administration Command	BITS Jobs	Escalation	Trusted Developer Utilities	≡ Tickets	Network Share Discovery		Repositories	Non-Standard Port		Data Manipulation
Wobsitos			Deploy Container	Server Software Component		Proxy Execution Traffic Signaling	Forced Authentication	Password Policy Discovery		Adversary-in-the-Middle	Protocol Tunneling		
Has sub-techniques			Serverless Execution	Pre-OS Boot		Signed Script Proxy	Steal Application Access Token	Browser Information		Archive Collected Data	Encrypted Channel		
			Cloud Administration	Compromise Client		Execution	Adversary-in-the-Middle	Discovery		Data from Network	Non-Application Layer		
			Command	Software Binary		Rogue Domain Controller	,	Virtualization/Sandbox		Shared Drive	Protocol		
				Implant Internal Image		Indirect Command	Forge Web Credentials	= Evasion		Data from Cloud			

MITRE ATT&CK® Enterprise Framework

Implant Internal Image

Modify Authentication

Process

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Plist File Modification



Storage Object

Repository

Data from Configuration