(P) Preparation	(I) Identification	(C) Containment
Patch asset vulnerabilities	1. Monitor for:	Inventory (enumerate & assess)
2. Perform routine inspections of controls/weapons	a. CreateRemoteThread	2. Detect Deny Disrupt Degrade Deceive Destroy
3. Ensure antivirus/endpoint protection software is installed on	b. SuspendThread	3. Observe -> Orient -> Decide -> Act
workstations and laptops	c. SetThreadContext	4. Utilize EDR hunter/killer agents to terminate offending processes
Secure local administrator accounts	d. ResumeThread	5. Remove the affected system from the network
5. Ensure that servers and workstations are logging to a central	e. QueueUserAPC	6. Determine the source and pathway of the attack
location	f. NtQueueApcThread	7. Issue a perimeter enforcement for known threat actor locations
6. Configure endpoint security solutions to detect and block process	g. VirtualAllocEx	
injection behaviors	h. WriteProcessMemory	
7. On Unix-based operating systems, restrict the use of ptrace to	On Linux systems, monitor the ptrace system call	
privileged users	Detect named pipe creation and connection events	
8. Utilize Yama or other Linux security modules to configure	Collect DLL/PE file events	
advanced access control and process restrictions	Analyze process behavior and compare to expected activity	
	6. Investigate and clear ALL alerts associated with the impacted	
	assets	
(E) Eradication	(R) Recovery	(L) Lessons/Opportunities
Close the attack vector	Restore to the RPO within the RTO	Perform routine cyber hygiene due diligence
2. Create forensic backups of affected systems	2. Address collateral damage	Engage external cybersecurity-as-a-service providers and
3. Perform endpoint/AV scans on affected systems	Determine the root cause of the incident	response professionals
Reset any compromised passwords	Resolve any related security incidents	Implement policy changes to reduce future risk
5. Review the logs of all impacted assets	5. Restore affected systems to their last clean backup	Conduct employee security awareness training
6. Patch asset vulnerabilities		
		References:
		1. Yama security module guide:
		https://www.kernel.org/doc/html/latest/adminguide/LSM/Yama.html
		2. MITRE ATT&CK Technique T1055:
		https://attack.mitre.org/techniques/T1055/

Resources:

- → GuardSight GSVSOC Incident Response Plan: https://github.com/guardsight/gsvsoc_cybersecurity-incident-response-plan
- → IT Disaster Recovery Planning: https://www.ready.gov/it-disaster-recovery-plan
- → Report Cybercrime: https://www.ic3.gov/Home/FAQ

