CIRT Playbook Battle Card: GSPBC-1045 - Privilege Escalation - Create or Modify System Process		
(P) Preparation	(I) Identification	(C) Containment
Patch asset vulnerabilities	1. Monitor for:	1. Inventory (enumerate & assess)
Perform routine inspections of controls/weapons	a. Changes to system processes that do not correlate with known	2. Detect   Deny   Disrupt   Degrade   Deceive   Destroy
Ensure antivirus/endpoint protection software is installed on	software, patch cycles, etc <sup>[2]</sup>	3. Observe -> Orient -> Decide -> Act
workstations and laptops	b. Abnormal process call trees from known services [2]	Issue perimeter enforcement for known threat actor locations
Confirm that servers and workstations are logging to a central location	c. Abnormal changes to files associated with system-level processes [2]	<ol><li>Archive scanning related artifacts such as IP addresses, user agents, and requests</li></ol>
5. Review firewall, IDS, and IPS rules routinely and update based on	Investigate and clear ALL alerts associated with the impacted	6. Determine the source and pathway of the attack
the needs of the environment	assets	7. Contain any DLL loaded by processes that are not supposed to be
Restrict access to critical assets as needed	3. Routinely check firewall, IDS, IPS, and SIEM logs for any unusual	loaded by that process
7. Conduct employee security awareness training	activity	
Restrict users to the least privileges required		
9. Use auditing tools capable of detecting privilege and service abuse		
opportunities on systems within an enterprise and correct them [1]		
(E) Eradication	(R) Recovery	(L) Lessons/Opportunities
(E) Eradication  1. Close the attack vector by applying the Preparation steps listed	(R) Recovery  1. Restore to the RPO within the RTO	(L) Lessons/Opportunities  1. Perform routine cyber hygiene due diligence
	, <i>i</i>	4.4
Close the attack vector by applying the Preparation steps listed	Restore to the RPO within the RTO	Perform routine cyber hygiene due diligence
Close the attack vector by applying the Preparation steps listed above	Restore to the RPO within the RTO     Address any collateral damage by assessing exposed technologies	Perform routine cyber hygiene due diligence     Engage external cybersecurity-as-a-service providers and
Close the attack vector by applying the Preparation steps listed above     Perform endpoint/AV scans on targeted systems	Restore to the RPO within the RTO     Address any collateral damage by assessing exposed technologies     Resolve any related security incidents	Perform routine cyber hygiene due diligence     Engage external cybersecurity-as-a-service providers and response professionals
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Close the attack vector by applying the Preparation steps listed above     Perform endpoint/AV scans on targeted systems     Reset any compromised passwords     Inspect ALL assets and user activity for IOC consistent with the	Restore to the RPO within the RTO     Address any collateral damage by assessing exposed technologies     Resolve any related security incidents	<ol> <li>Perform routine cyber hygiene due diligence</li> <li>Engage external cybersecurity-as-a-service providers and response professionals</li> <li>Implement policy changes to reduce future risk</li> <li>Utilize newly obtained threat signatures</li> <li>Remember that data and events should not be viewed in isolation but as part of a chain of behavior that could lead to other activities</li> </ol>
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## 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

