

(P) Preparation	(I) Identification	(C) Containment
<div>1. Patch asset vulnerabilities</div> <div>2. Perform routine inspections of controls/weapons</div> <div>3. Ensure that servers are logging to a central location</div> <div>4. Disable script execution in directories where it is not required</div> <div>5. Verify that web applications do not run with excessive privileges on the server</div> <div>6. Use AppArmor, SELinux, or other mitigations where appropriate</div>	<div>1. Monitor for:<div>a. Unusual error messages in logs</div><div>b. Unusual web traffic patterns</div><div>c. Unexpected changes in websites' document roots</div><div>d. IPS/IDS alerts</div><div>e. Antivirus alerts</div></div> <div>2. Investigate and clear ALL alerts associated with the impacted assets</div>	<div>1. Inventory (enumerate &amp; assess)</div> <div>2. Detect   Deny   Disrupt   Degrade   Deceive   Destroy</div> <div>3. Observe -&gt; Orient -&gt; Decide -&gt; Act</div> <div>4. Review web logs to identify instances of the web shell being accessed</div> <div>5. Issue perimeter enforcement for known threat actor locations</div>
(E) Eradication	(R) Recovery	(L) Lessons/Opportunities
<div>1. Close the attack vector</div> <div>2. Patch asset vulnerabilities</div> <div>3. Scan web servers for other instances of web shells</div> <div>4. Determine how the web shell was placed on the system</div> <div>5. Reset any potentially compromised passwords</div> <div>6. Review logs of any system the attacker may have accessed</div> <div>7. Scan affected systems with antivirus/endpoint software</div>	<div>1. Restore to the RPO within the RTO</div> <div>2. Address collateral damage</div> <div>3. Determine the root cause of the breach</div> <div>4. Resolve any related security incidents</div>	<div>1. Perform routine cyber hygiene due diligence</div> <div>2. Engage external cybersecurity-as-a-service providers and response professionals</div> <div><div>References:<div>1. MITRE ATT&amp;CK Technique T1505 Sub-technique 003: <a href="https://attack.mitre.org/techniques/T1505/003/">https://attack.mitre.org/techniques/T1505/003/</a></div></div></div>

Resources:

→ GuardSight GSVSOC Incident Response Plan: [https://github.com/guardsight/gsvsoc\\_cybersecurity-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>