

## TopResponse Threat Advisory

**Release Date:** December 9, 2009

**Purpose:** The Top Layer TopResponse team informs customers that existing IPS 5500 security features provide new protection for the Microsoft Internet Explorer v8 Uninitialized Memory Corruption Vulnerability (MS09-072, CVE-2009-3674).

**Top Layer Products:** IPS 5500 E-Series.

**Vulnerable Infrastructure:** Internet Explorer v8 for platforms including: Windows XP SP3, Windows XP Professional x64 Edition SP2, Windows Server 2003 SP2, Windows Server 2003 x64 Edition SP2, Windows Vista SP2, Windows Vista x64 Edition SP2, Microsoft Windows Server 2008 for 32-bit Systems SP2, and Windows Server 2008 for x64-based Systems SP2, as well as Windows 7 for 32-bit and x64-based Systems.

**Alert Type:** Critical Vulnerability

**Risk Assessment:** Critical

**Threat Impact:** Remotely exploitable vulnerability that could allow an attacker to control vulnerable systems

**Advisory Impact:** Prevention

**Summary:** Microsoft Internet Explorer is a common web browser used by Microsoft client infrastructure to retrieve and render content from the network. The reported vulnerability targets how Microsoft Internet Explorer version 8 handles the processing of uninitialized memory. The vulnerability could allow a remote attacker to execute arbitrary code on the client system in the context of the logged-on user by enticing the user to open a specially crafted web page.

**Recommended Action:** Top Layer recommends the following actions:

Download and apply Protection Pack 2009-12-08-03 (or later) to put this new protection into place. This is automatically applied to the "Strict Client Protection" IPS Rule Set. In order to take advantage of the protection, make sure the IPS rule tln-106287 is enabled in the IPS Rule Set used to inspect traffic that transfers HTML formatted content to your client infrastructure.

**Note:** The IPS rule tln-106287 is currently enabled in the Strict IPS Rule Sets because there is a potential for false positive events. Please monitor events after the rule is enabled to provide protection for this vulnerability.

To manually enable this rule in a IPS Rule Set complete the following steps:

1. Log into the Web Management Interface of your IPS 5500 E-Series.
  2. Select **Configure Security->Security Policies**.
  3. Select the **IPS Rule Sets** tab.
  4. Select the Rule Set for which you want to change the setting of rule tln-106287.
  5. Enter **106287** in the search window.
  6. Double click on the rule **tln-106287 EXPLT: Microsoft Internet Explorer v8 Uninitialized Memory Corruption Vulnerability**.
  7. Make sure that the **Enabled** button is checked.
  8. Make sure that the **Action** is set to **DROP**.
  9. Click the **OK** button.
- Repeat steps 4 through 9 for all other Rule Sets that you want to change.
10. Close the Configure Security Policies window.
  11. Click the **Save** icon (upper left of your GUI).

**References:** Use the following sources for additional information:

<b>Additional Information</b>	<b>Location</b>
<b>Top Layer Support Web site</b>	<a href="http://www.toplayer.com/support">http://www.toplayer.com/support</a>
<b>Microsoft Advisory</b>	<a href="http://www.microsoft.com/technet/security/Bulletin/MS09-072.msp">http://www.microsoft.com/technet/security/Bulletin/MS09-072.msp</a>
<b>Mitre CVE</b>	<a href="http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2009-3674">http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2009-3674</a>

**Relevant TLN Rules:** tln-106287

**Relevant TopResponse Protection Pack(s):** 2009-12-08-03