TippingPoint Product Bulletin

Product Bulletin #: 1061

Subject: IPS State Preservation Issue

Date of Announcement: June 15, 2016

During product testing, an issue has been identified in the IPS state engine, where under extreme load conditions, the preservation of state could be lost resulting in the potential for the IPS engine to be bypassed for certain crafted evasion techniques.

Affected Products

Platform	Affected TOS version
TippingPoint 660N/1400N	TOS 3.8.3 build 4493 and earlier
TippingPoint 2500N/5100N/6100N	TOS 3.8.3 build 4493 and earlier
TippingPoint NX (all models)	TOS 3.8.3 build 4493 and earlier
TippingPoint 10/110/330	TOS 3.6.5 build 4124 and earlier
TippingPoint TPS 440T/2200T	TOS 4.1.0 build 4472 and earlier
TippingPoint vTPS Standard	TOS 4.0.1 build 4335 and earlier
TippingPoint NGFW (all models)	TOS 1.2.2 build 4354 and earlier

Details

The IPS utilizes a state preservation engine which tracks each flow through the device for the duration of that connection. Under extreme concurrent connection loads, as the device approaches its supported limits, some connection resources may be reclaimed. An issue has been identified where under this load condition, the IPS can become less effective at identifying more complex types of evasion techniques.

Recommended Action

For customers who operate their IPS near its maximum concurrent connection limit, TippingPoint recommends upgrading to the latest build.

Platform	Recommended TOS Version
TippingPoint 660N/1400N	TOS 3.8.3 build 4494
TippingPoint 2500N/5100N/6100N	TOS 3.8.3 build 4494
TippingPoint NX (all models)	TOS 3.8.3 build 4494
TippingPoint 10/110/330	TOS 3.6.6 build 4140
TippingPoint TPS 440T/2200T	TOS 4.1.1 build 4481
TippingPoint vTPS Standard	TOS 4.0.2 build 4336
TippingPoint NGFW (all models)	TOS 1.2.3 build 4372

Customers are advised to plan to upgrade to the latest version of non-impacted software at their earliest convenience.

If you have concerns or further questions regarding this issue, contact the Trend Micro TippingPoint Technical Assistance Center (TAC).

Thank you,
Trend Micro TippingPoint

TippingPoint Technical Assistance Center (TAC)
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