HPE MSR 1000, 2000, 3000, 4000 Router Series

IPS FAQ

Q1: What is IPS?

Intrusion Prevention System (IPS) is a piece of software that is integrated into the MSR branch routers to proactively detect and protect the branch office from internal and external security threats such as Worm, SQL Injection and so on. This piece of software is embedded in the router. The IPS functionality is applied once the firewall rules are completed. Users can select and specify traffic to do the detection and let safe traffic pass through directly.

Q2: What is the function of the filters?

The filters define how to detect attacks. Customers select from hundreds of pre-defined filters. Options cover all the typical vulnerabilities and most of the 0-day attacks. Filters are downloaded from TP and the customers can then choose those they want to monitor.

Q3: How will the filters be kept current?

The IPS Essentials Filter Service is responsible for keeping the filters updated. The Filter Service is offered as a 1-year subscription.

After you enable automatic IPS signature library update, the device periodically accesses the Hewlett Packard Enterprise website to download the latest IPS signatures.

Q4: Is there a way to try the software for free?

All MSR IPS are enabled to download DVs from TippingPoint for 30 days as a free trial. After 30 day trial is over, customers will be denied future updated DV packages (aka new filters) until they purchase an IPS License and subscription. Approximately 600 filters are included in the initial set.

DVLabs delivers a weekly, or sooner if warranted, Digital Vaccine package for customers to stay ahead on the latest vulnerabilities and exploits.

After the 30 day trial is over, the customer will be denied future updated DV packages (aka new filters) until an Activation license and an IPS Filter Service subscription are purchased and applied to the product.

Q5: What kinds of licenses are available?

The IPS license and subscription are sold as HPN SKUs (see the following table).
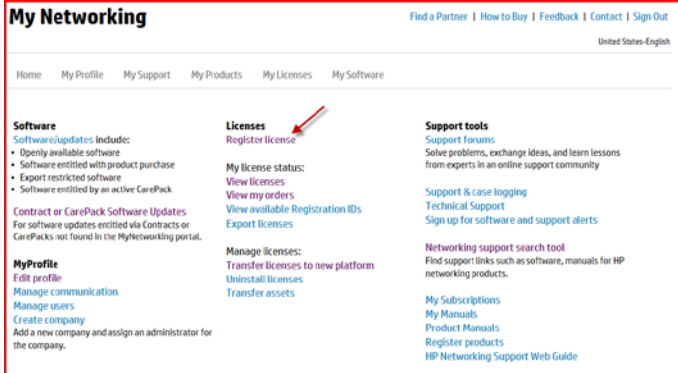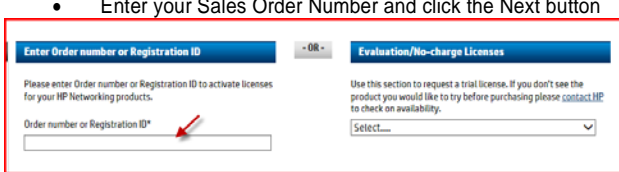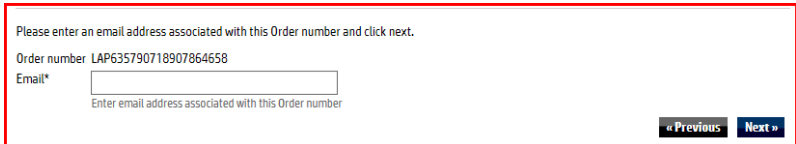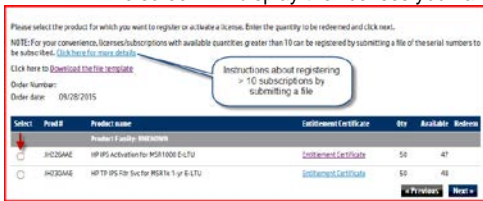
Table: SKUs and License Information

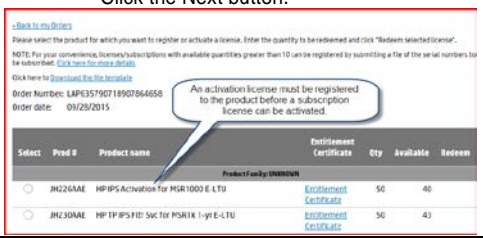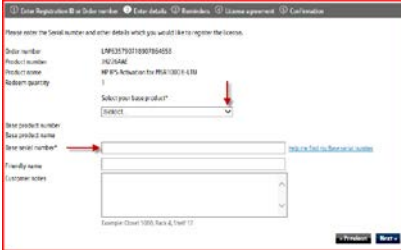|		
1.	JH223AAE	HPE IPS Activation for MSR4000 E-LTU
2.	JH224AAE	HPE IPS Activation for MSR3000 E-LTU
3.	JH225AAE	HPE IPS Activation for MSR2000 E-LTU
4.	JH226AAE	HPE IPS Activation for MSR1000 E-LTU
5.	JH227AAE	HPE DV Essential IPS Filter Service for MSR4000 1yr E-LTU
6.	JH228AAE	HPE DV Essential IPS Filter Service for MSR3000 1yr E-LTU
7.	JH229AAE	HPE DV Essential IPS Filter Service for MSR2000 1yr E-LTU
8.	JH230AAE	HPE DV Essential IPS Filter Service for MSR1000 1yr E-LTU

➢ The first four SKUs authorize the customer to use the IPS function on MSR. Customers must purchase an IPS activation license with a 1-time fee.
➢ The second four SKUs are IPS filter subscription licenses that allow access with a 1-year upgrade subscription service for the IPS filter.
➢ The SKUs must be registered on MyNetworking Portal (MNP)
https://hpp12.passport.hpe.com/hppcf/login.do?cc=US&lang=EN&applandingpage=https%3a%2f%2fh10145.www1.hpe.com%2fprofile%2fCommonHomePage.aspx&hpappid=118682_MYNETWORKING_PRO_HPE

	Activation License; Authorized license
	1-year upgrade license, either subscription license or IPS Filter service subscription
1.	Register the IPS license first and then link to the MSR serial #.
2.	Then the DV Subscription must be registered and linked to MSR Serial #. An internal check is done in MNP to ensure that MSR Serial # has a registered IPS License.
3.	MNP updates records with TippingPoint TMC; MSR IPS can now download new DV packages with new filters.

> Is support a separate product? (For example, for the MSR Router 4000, the customer will buy the IPS activation license and a 1-year subscription service.) Customer will pay extra for subscription support.

Q6: Screenshots for registering your IPS licenses and subscription

	To activate your licenses, login to the MyNetworking portal. (Note that if you don't have an active account with MNP, you will need to create one.)
	• From the home page, select Register Licenses.
1.	
2.	• Enter your Sales Order Number and click the Next button
3.	• Enter one of the email addresses associated with the Sales Order confirmation email and click the Next button.
4.	• The screen will display the licenses you have purchased on the Sales Order.
5.	• If this is the first time registering the Filter service for your MSR product, select the Activation license first. • If you are renewing a subscription license, select the Filter Service License. Click the Next button.
6.	• In the Details screen, select the MSR product number form the pull-down list and enter the serial number. Click the Next button.

7.	• Accept the End User software license agreement by checking the tic box. Click the Finish button.
8.	• Customers in some countries may be asked to complete the US government export license form; please follow the directions provided and fill in the content. • After all the required information is provided, you will see a Thank You page indicating the registration process was a success. • Once an activation license is registered to a router, the IPS filter subscription can be registered. • When the subscription is activated in the IPS filter service, a confirmation email will be sent to the customer • The license will be activated and the MSR is now authorized to use the IPS filter service. • Click the 'Register more for this order' button. • Select the IPS Essential Filter Service subscription license and follow the Steps • Your MSR product will subscribe for the filter service for 1 year

Q7: How is the software engine configured and managed?

Customers can use command line or the web to configure the IPS. Optionally, HPE's Intelligent Management Center (IMC) could help customers manage filters from a central location. The software allows customers to enable more filters to improve detection ability or disable some filters to speed the IPS performance or reduce its memory usage.

Customers can also define filters themselves by snort syntax or standard regular expressions:
http://www.hpenterprisesecurity.com/collateral/briefs/solution/HPES_SolutionBrief_HPTippingPointDigitalVaccineToolkit.pdf

Q8: What are the dashboard options?

The IPS will give customers a variety of dashboards including dimensions such as protected object, attaching category, attackers' source IP address, and so on.

Q9: Are there any pre-requisites to registering a subscription service?

An activation license is a pre-requisite to registering the subscription service. A fee is required.

Q10: What are the limits in terms of stackable units?

Customer can register up to three subscription licenses per router for a maximum of 3 years. The filters can be stacked for a total of 1095 days. But once the subscription expires, then the licenses must be renewed.

Q11: How often do activation licenses need to be renewed?

Activation licenses never expire.

Q12: How does the renewal work?

Each serial number can have a maximum of 1095 subscription days. The renewal counts are combined.

Q13: Where can I access the serial information?

Once the subscription is registered in MNP, the activation information is pulled into TippingPoint systems and the filter service is activated for the serial number.

Q14: Is there a quick way to upload multiple filters?

If there are more than 10 lot filters to register, you can upload large larger quantities to the MyNetworking Portal (MNP). The MNP will give you the opportunity to download the quantity with the related serial numbers and then you can upload the same to MNP.

Q15: How many ISP domains can this device support?

The device supports a maximum of 16 ISP domains, including the system-defined ISP domain system. You can specify one of the ISP domains as the default domain. On the device, each user belongs to an ISP domain. If a user does not provide an ISP domain name at login, the device considers the user belongs to the default ISP domain.

Documentation

To find related documents, browse to the manuals page of the Hewlett Packard Enterprise web site:
http://www.hpe.com/support/manuals.

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