RSA Ready Implementation Guide for RSA Security Analytics

Array Networks SPX Series Universal Access Controllers 8.4.6

Daniel Pintal, RSA Partner Engineering Last Modified: February 16, 2016





Solution Summary

Integrating Array Networks SPX Series Universal Access Controllers with RSA's enVision involves directing the SPX's logs to the Security Analytics server.

Format: log host <IP_of_SA_server> <destination_port> <protocol> Example: log host 10.10.39.60 514 udp

The Array Networks SPX Series Universal Access Controllers paired with RSA Security Analytics allows customers to monitor, provide compliance reports for government and industry regulations and perform forensic analysis of logs generated. Additional benefits include tracking user activity and detecting anomalous behavior.

RSA Security Analytics Features Array SPX 8.4.6			
Integration package name	arrayspxpe.envision		
Device display name within Security Analytics	arrayspxpe		
Event source class	VPN		
Collection method	Syslog		





- 2 -



RSA Security Analytics (SA) Community

The RSA Security Analytics (SA) Community is an online forum for customers and partners to exchange technical information and best practices with each other. The forum also contains the location to download the SA Integration Package for this guide. All Security Analytics customers and partners are invited to register and participate in the <u>RSA Security Analytics Community</u>.

Once you have downloaded the SA Integration Package, the next steps are to deploy this on all log decoders. For steps to disable or remove the Security Analytics Integration Package, please refer to the <u>Appendix</u> of this Guide.

The RSA Security Analytics package consists of the following files:

Filename	File Function	
arrayspxpe.envision	SA package deployed to parse events from device integrations.	
arrayspxpemsg.xml	A copy of the device xml contained within the SA package.	
table-map-custom.xml	able-map-custom.xml Enables Security Analytics variables disabled by default.	

Release Notes

Release Date	What's New In This Release
12/9/2013	Initial support for Array Networks.
2/4/2016	SA 10.5 support



- 3 -



RSA Security Analytics Configuration

Before You Begin

This section provides instructions for configuring the Array Networks SPX with RSA Security Analytics. This document is not intended to suggest optimum installations or configurations.

It is assumed that the reader has both working knowledge of all products involved, and the ability to perform the tasks outlined in this section. Administrators should have access to the product documentation for all products in order to install the required components.

All Array Networks components must be installed and working prior to the integration. Perform the necessary tests to confirm that this is true before proceeding.

Important: The configuration shown in this Implementation Guide is for example and testing purposes only. It is not intended to be the optimal setup for the device. It is recommended that customers make sure <Partner> <Product> is properly configured and secured before deploying to a production environment. For more information, please refer to the <Partner> <Product> documentation or website.

Deploy the enVision Config File

In order to use RSA Partner created content, you must first deploy the *Envision Config File* from the **Security Analytics Live** module. Log into Security Analytics and perform the following actions:

Important: Using this procedure will overwrite the existing table_map.xml.

- 1. From the Security Analytics menu, select **Live > Search**.
- 2. In the keywords field, enter: **Envision**.
- 3. Security Analytics will display the **Envision Config File** in Matching Resources.
- 4. Select the checkbox next to **Envision Config File**.





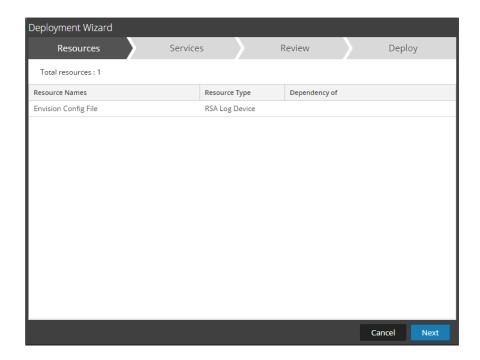
- 4 -



5. Click **Deploy** in the menu bar.



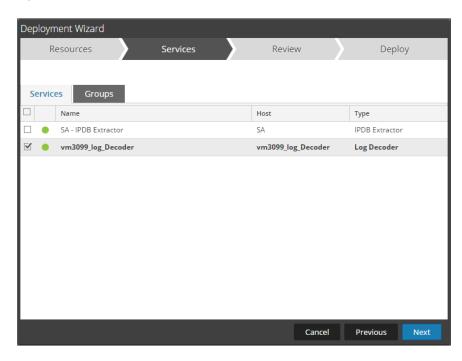
6. Select Next.



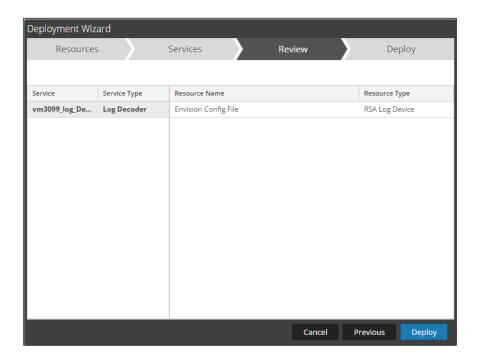




7. Select the **Log Decoder** and select **Next**.



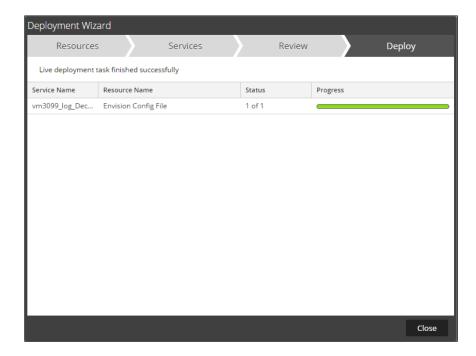
- Important: In an environment with multiple Log Decoders, deploy the Envision Config File to each Log Decoder in your network.
- 8. Select **Deploy**.







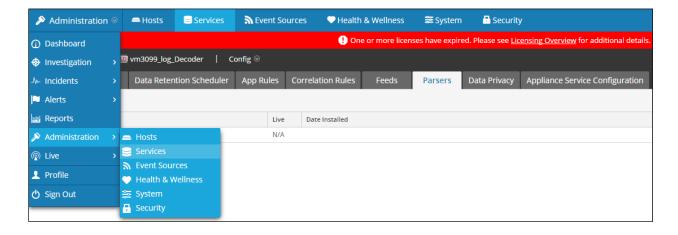
9. Select **Close**, to complete the deployment of the Envision Config file.



Deploy the Security Analytics Integration Package

After completing the previous section, <u>Deploy the enVision Config File</u>, you can now deploy the Security Analytics Integration Package. Download the appropriate RSA Partner Integration Package, then log into Security Analytics to perform the following actions:

1. From the Security Analytics menu, select **Administration > Services.**





- 7 -



2. Select your Log Decoder from the list, select View > Config.

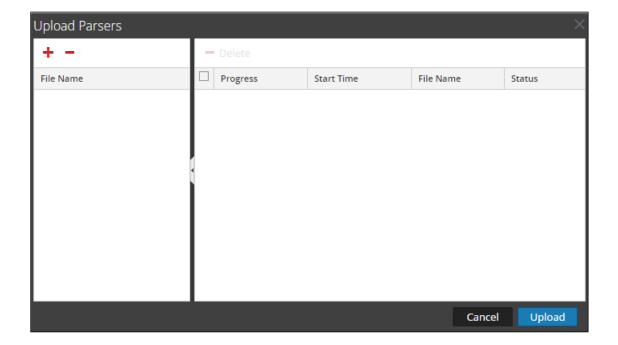


Important: In an environment with multiple Log Decoders, repeat on the deployment of the RSA Partner Integration Package on each Log Decoder.

3. Next, select the **Parsers** tab and click the **Upload** button.



- 4. From the *Upload Parsers* window, click the + Add button and select the *.envision* file.
 - Important: The .envision file is contained within the .zip file downloaded from the RSA Community.

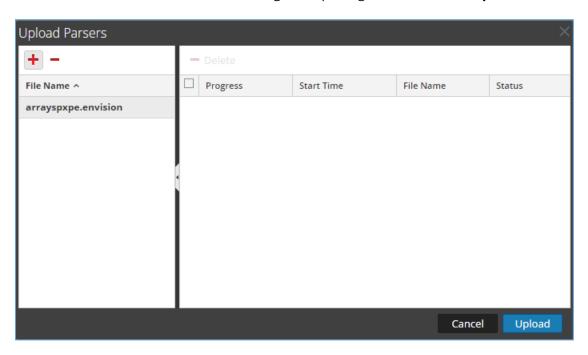




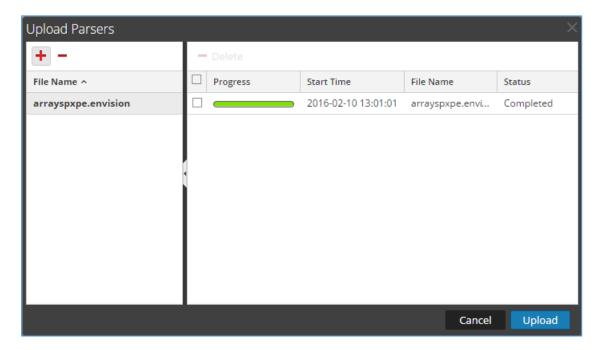
- 8 -



5. Under the file name column, select the integration package name and click **Upload**.



6. Upon completion of the upload click **Cancel**.





- 9 -

Array Networks

SPX Series Universal Access Controllers



7. Connect to the Security Analytics Log Decoder Server using WinSCP. Copy the table-map-custom.xml file from the contents of the .zip file to the /etc/netwitness/ng/envision/etc folder. If the table-map-custom.xml file already exists on the log decoder(s), enter only the contents between the <mappings>...</mappings>.

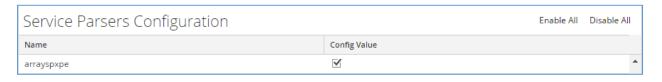
8. Navigate to Administration > Services and check the Log Decoder(s) then click Restart.



9. Navigate to Administration > Services and check the Log Decoder(s) then click View > Config.



10. The new device is listed under the Log Decoder(s) General Tab within the Service Parsers Configuration.



Important: The device parser above is an example and not the actual parser for this integration.

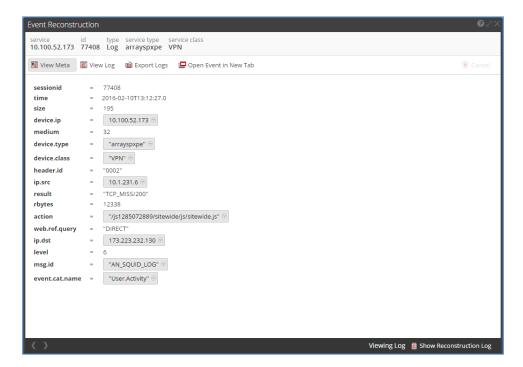


Array Networks

SPX Series Universal Access Controllers



11. The Log Decoder is now ready to parse events for this device. Below is an example of the RSA SA metadata collected from an Absolute DDS logfile.

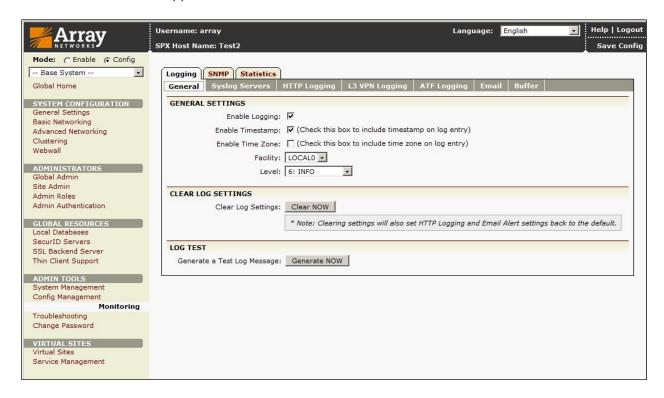




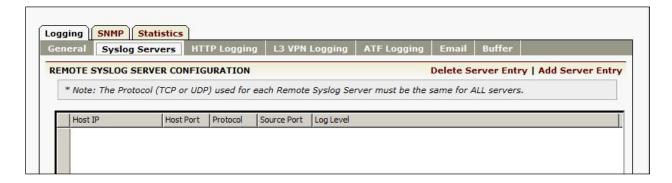


Array SPX Configuration

- 1. Login to the WebUI.
- 2. Select **Monitoring** from the column on the left.
- 3. Select **Enable Logging**. If the check box is grayed out, enter *Config* mode by clicking the **Config** radio button in the upper left corner.



4. Navigate to **Logging > Syslog Servers** and click **Add Server Entry**.





- 12 -

Array Networks

SPX Series Universal Access Controllers



5. Enter the **Host IP** and **Host Port** information of the Security Analytics log server. Select the log levels or leave all the boxes unchecked to enable all log levels.

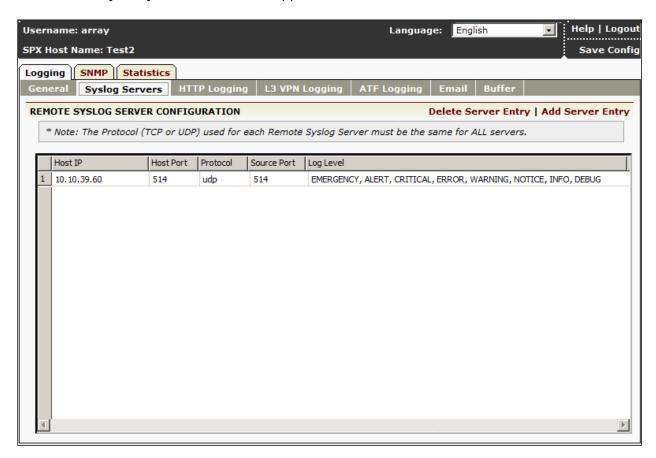
General Syslog S	Servers	ITTP Logging	L3 VPN Logging	ATF Logging	Email	Buffer	
ADD SERVER ENTRY	ſ.			Ca	ncel Save	e & Add An	other Sav
* Note: The Proto	col (TCP or U	IDP) used for e	ach Remote Syslog S	erver must be the	same for AL	L servers.	
Host IP:	10.10.39.60)					
Protocol:	UDP (If	Protocol is dis	abled, this server will	use the same pro	tocol from o	ther configu	red server)
Host Port:	514						
Source Port:	514						
[EMERGENCY (7)]:		Number)]: (D	efault = All log lev	els if no checkb	ox below is	checked.)
		Number)]: (D	efault = All log lev	els if no checkb	ox below is	checked.)
[EMERGENCY (7)]:		Number)]: (D	efault = All log lev	els if no checkb	ox below is	s checked.)
[EMERGENCY (7)]: [ALERT (6)]:		Number)]: (D	efault = All log lev	els if no checkb	ox below is	checked.)
[EMERGENCY (7)]: [ALERT (6)]: [CRITICAL (5)]:		Number)]: (D	efault = All log lev	els if no checkb	ox below is	checked.)
[EMERGENCY (7)]: [ALERT (6)]: [CRITICAL (5)]: [ERROR (4)]:		Number)]: (D	efault = All log lev	els if no checkb	ox below is	s checked.))
[EMERGENCY (7)]: [ALERT (6)]: [CRITICAL (5)]: [ERROR (4)]: [WARNING (3)]:		Number)]: (D	efault = All log lev	els if no checkb	ox below is	s checked.))

6. Click **Save**.





7. The Security Analytics server will now appear in the list.



8. Click **Save Config** to commit the changes made to the configuration to memory.

Note: The previous configuration may also be configured via the Command Line Interface (CLI). Refer to Appendix A.



- 14 -

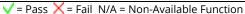


Certification Checklist for RSA Security Analytics

Date Tested: February 4, 2016

Certification Environment				
Product Name	Version Information	Operating System		
RSA Security Analytics	10.5	Virtual Appliance		
Array Networks SPX Series	8.4.6	Proprietary		
Universal Access Controllers				
Universal Access Controllers				

Security Analytics Test Case	Result
Device Administration	
Partner's device name appears in Device Parsers Configuration	✓
Device can be enabled from Device Parsers Configuration	<u> </u>
Device can be disabled from Device Parsers Configuration	<u> </u>
Device can be removed from Device Parsers Configuration	✓
Investigation	
Device name displays properly from Device Type	
Displays Meta Data properly within Investigator	<u> </u>







Appendix

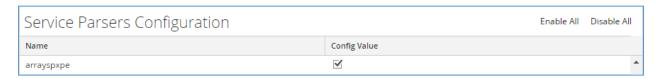
Security Analytics Disable Device Parser

To disable the Security Analytics Integration Package but not delete the XML from the system, perform the following:

1. Navigate to Administration > Services and check the Log Decoder(s) then click View > Config.



2. From the **Service Parses Configuration** window, scroll down to the device you wish to disable and uncheck the Config Value checkbox.



3. Click **Apply** to save settings.

Security Analytics Remove Device Parser

To remove the Security Analytics Integration Package files from the environment, perform the following:

- 1. Connect to the Security Analytics Log Decoder/Collector Server using SSH and open the /etc/netwitness/ng/envision/etc/devices folder.
- 2. Search for the device you are targeting for removal and delete the folder containing the device xml.
- 3. Returning the system to its original state will require either modifying or removing the **table-map-custom.xml** based on your systems configuration. The table-map-custom.xml file is located in the **/etc/netwitness/ng/envision/etc** folder of the SA Log Decoder(s).



- 16 -