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Sidewinder

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Last updated on August 25, 2021.

Document Status: Document Developer Quality Complete.

▲ IMPORTANT

Documentation bundled with Sidewinder is accurate as of 9/20/2021.

Updated documentation can be found at: https://reactr.azurewebsites.us

Introduction

Sidewinder is an application that enables sideloading of approved patch streams from one RPS instance to another.

Prerequisites

General

- Permissions to execute an application.
- Non-administrative permissions to the current user's My Documents.
- SMB ports and protocols to RPS instance (source and target).
- HTTP ports and protocols to RPS instance (source and target, if target is 4.0).

Export

- Access to RPS 4.0 CDN with either logged in user or alternate account with username and password.
- Access to RPS 4.0 API (ports and protocols only; no RPS RBAC needed).
- Access to file system to create archive (.zip file).

Import

- Access to RPS 4.0 or 3.1 CDN with either logged in user or alternate account with username and password.
- Access to RPS 4.0 API (when importing to RPS 4.0).
- Source patch stream archive created previously by Sidewinder from another instance of RPS.

Settings

A valid configuration must be specified in settings for all of the tabs in Sidewinder to be accessible. The **Save** button must be selected for updated configurations to take effect. Settings will be persisted to disk for that particular user.

RPS Version

This setting only impacts importing, as Sidewinder only supports exporting from RPS 4.0.

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Export Import RPS Telemetry Settings	
Configuration	
RPS Version	
○ 3.1 ● 4.0	
CDN	
CDN Path	
\\nosc.rps.local\cdn	Test Connection
✓ Connect Using Different Credentials	
Computer/Domain:	
rps	
User Name:	
rpsadmin	
Password:	
•••••	
URLs	
RPS Telemetry URL:	
https://nosc.rps.local:8080/PackageStreams/History	
External Telemetry URL:	
RPS API Base Endpoint	
https://nosc.rps.local:777	Test Connection
Setting	s Saved Save
Stang	Joarea Sare

Figure 1: Settings - RPS Version Selection

CDN / Credentials

SETTING	DETAILS
CDN Path	UNC path to the CDN folder. This can be network or local path. Click the Test Connection button to test the CDN location in combination with the credentials specified (if any). Defaults to C:\CDN.
Connect Using Different Credentials	If checked, the user must specify a domain, user name, and password to connect to the CDN. By default, this setting is not selected (unchecked).
Computer/Domain	Computer, domain, or workgroup to provide when "Connect Using Different Credentials" is selected (checked). Defaults to the current computer or domain (if domain joined).
User Name	The user name to provide when "Connect Using Different Credentials" is selected (checked). Defaults to current logged in user.
Password	The user name's password to provide when "Connect Using Different Credentials" is selected (checked). This data is encrypted in memory and is destroyed when the application closes. For security reasons, the password will need to be entered each time the application is opened.

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Export Import RPS Telemetry Settings	
Configuration RPS Version O 3.1 • 4.0	
CDN	
CDN Path	
\\nosc.rps.local\cdn	Test Connection
✓ Connect Using Different Credentials	
Computer/Domain:	
rps	
User Name:	
rpsadmin	
Password:	
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URLs	
RPS Telemetry URL:	
https://nosc.rps.local:8080/PackageStreams/History	
External Telemetry URL:	
RPS API Base Endpoint	
https://nosc.rps.local:777	Test Connection
Settin	gs Saved Save

Figure 2: Settings - CDN/Credential Section

URLs

SETTING	DETAILS
RPS Telemetry URL	Specifies the URL to use for the RPS Telemetry page under the RPS Telemetry tab.
External Telemetry URL	Specifies the URL to use for the External Telemetry page under the RPS Telemetry tab.
RPS API Base Endpoint	This is the base endpoint for the RPS API of the RPS instance to connect to. The base URLs are used during export (version 4.0 only) and import to either: a. Generate patch stream files on export, or b. Ingest the new patch stream after import has been completed.

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Export	Import	RPS Telemetry	Settings				
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	nnect Usi	ing Different Cre	dentials		lest connection		
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User	Name:						
rpsad	min						
Passv	Password:						
••••	•••••	••••					
URLs							
RPS T	elemetry	URL:					
https:	//nosc.rp	s.local:8080/Pack	kageStream	is/History			
Exter	nal Telem	etry URL:					
RPS A	API Base E	ndpoint					
https	://nosc.r	ps.local:777			Test Connection		
				Settings S	aved Save		

Figure 3: Settings - URLs Section

Saving

It is important to save the settings configuration once editing is complete. A confirmation message will appear when the settings have been successfully saved.

A Sidewinder	
Export Import RPS Telemetry Settings	
Configuration	
RPS Version	
○ 3.1 ● 4.0	
CDN	
CDN Path	
\\nosc.rps.local\cdn	Test Connection
✓ Connect Using Different Credentials	
Computer/Domain:	
rps	
User Name:	
rpsadmin	
Password:	
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URLs	
RPS Telemetry URL:	
https://nosc.rps.local:8080/PackageStreams/History	
External Telemetry URL:	
RPS API Base Endpoint	
https://nosc.rps.local:777	Test Connection
	Settings Saved Save

Figure 4: Settings - Save Message

How to Export an RPS v4.0 Patch Stream

Follow these steps to export a patch stream from an RPS 4.0 instance.

1. On the **Export** tab, click **Find Streams**. This will load the patch streams available for export.

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Export Import RPS Telemetry Settings		
Find Streams		
		v
Logging		
Export		

Figure 5: Export - Find Streams

2. Select the stream to export from the dropdown.

Export Import RPS Telemetry Settings

Patch Stream Info

Find Streams

h	
	v
I	sidewinder
ľ	Ensuring streams are updated.
	Updating Streams at endpoint 'https://app.root.local:777/RpsPackage/v1.0/packageservice/ExportPatchStream'
	Getting stream list
	Getting patch streams from \\app.root.local\cdn\PatchStream.
	Processing streams.
	Found 1 streams.
l	
	Export

Figure 6: Export - Select Stream

3. Click **Export**.

🙈 Sidewinder	_	×
Export Import RPS Telemetry Settings		
Patch Stream Info		
Find Streams		
sidewinder		v
Logging		
Ensuring streams are updated.		
Updating Streams at endpoint 'https://app.root.local:777/RpsPackage/v1.0/packageservice/ExportPatchStream'		
Getting stream list		
Getting patch streams from \\app.root.local\cdn\PatchStream.		
Processing streams.		
Found 1 streams.		
Export		

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4. Choose the file location to save to and click **Save**.

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Sidewinder					×			
Export Import RF	PS Telemetry Settings							
Patch Stream Info								
_		Find Streams	 					
sidewinder	💁 Save As							
Logging	← → • ↑ <mark> </mark> →	This PC → Local Disk (C:) → exports			~ Ū			
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Getting stream Getting patch s	🖈 Ouick access	Name	Date modified	Туре	Size	2		
Processing stre			No items match yo	ur search.				
Found 1 stream	OneDrive							
_	💻 This PC							
	🚅 Network							
_								
	File name: sid	lewinder-export						~
	Save as type: Zip	File (*.zip)						~
,	 Hide Folders 					Save	Cancel	

Figure 8: Export - Export File Picker

5. Check the Logging section for processing status and any error messages.

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Export Import RPS Telemetry Settings		
Patch Stream Info		_
Find Streams		
sidewinder		v
Logging		
Ensuring streams are updated.		
Updating Streams at endpoint 'https://app.root.local:777/RpsPackage/v1.0/packageservice/ExportPatchStream'		
Getting stream list		
Getting patch streams from \\app.root.local\cdn\PatchStream.		
Processing streams.		
Found 1 streams.		
Authenticating to \\app.root.local\cdn		
Adding e2ebf0f7-0010-553c-b8ff-2b59772e387e\socat-1.7.3.2-2.el7.x86_64.zip to the archive. (1/4)		
Adding a958c32d-57bf-e100-868b-58f9953f8153\EsxVirtualSwitchUpdate.zip to the archive. (2/4)		
Adding f6d7b7c6-ff11-5d78-0960-f3c974ae0c03\AcroRdrDC1901220034_en_US.zip to the archive. (3/4)		
Adding aa43cfad-368e-f6ef-443e-d04c5efaaf99\Firefox 70.0.zip to the archive. (4/4)		
Created Archive.		
Created C:\exports\sidewinder-export.zip.		
Export		

How to Import a Patch Stream

Follow these steps to import to an RPS Instance.

O NOTE

The steps for importing to RPS 4.0 and RPS 3.1 are the same. Be sure to pick the correct version of RPS from the **Settings** tab.

1. On the **Import** tab, click **Browse...** and navigate to the archive file.

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Export	Import	RPS Telemetry	Settings								
Archive	File										
									В	rowse	
Logging	9										_
					Import						

Figure 10: Import - Browse for Archive File

2. Select the exported patch stream zip file, and then click **Open**.

Sidewinder				- 🗆 ×			
Export Import	RPS Telemetry Settings						
Archive File							
				Browse			
Logging	🚕 Open						\times
	← → × 📙 > Thi	is PC → Local Disk (C:) → exports			ර 🔎 Search e		
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	🗲 Ouick access	Name	Date modified	Туре	Size		
		sidewinder-export.zip	8/24/2021 3:18 PM	Compressed (zipp	225,220 KB		
	📥 OneDrive						
	💻 This PC						
	🚽 Network						
	*						
	File na	ame sidewinder-export.zip			✓ Zip File (*.zip)	Ň	1
					Open	Cancel	٦_
							. .:

Figure 11: Import - Select Patch Stream Zip File

3. Click Import.

🚕 Sidewinder	_		×									
Export Import RPS Telemetry Settings												
Archiva Filo												
C:\exports\sidewinder-export.zip Browse												
Logging												
Import												

▲ IMPORTANT

When importing to RPS 3.1, you may see a PowerShell window open. Do not close this window during processing.

4. Check the Logging section for processing status and any error messages.

Export Import RPS Telemetry Settings Archive File Browse Browse Logging Starting C\exports\sidewinder-export.zip Browse Logging Starting C\exports\sidewinder-export.zip Import Authenticating to \\nosc.rps.local\cdn Preparing C\exports\sidewinder-export.zip for import to \\nosc.rps.local\cdn Extracting to \\nosc.rps.local\cdn\exports\sidewinder.export.zip for import to \\nosc.rps.local\cdn Extracting to \\nosc.rps.local\cdn\e2ebf07-0010-553c-b8ff-2b59772e387e\socat-1.7.3.2-2.e17.x86_64.zip Extracting to \\nosc.rps.local\cdn\e2ebf07-0010-553c-b8ff-2b59772e387e\socat-1.7.3.2-2.e17.x86_64.zip Extracting to \\nosc.rps.local\cdn\e2ebf07-0010-553c-b8ff-2b59772e387e\socat-1.7.3.2-2.e17.x86_64.zip Extracting to \\nosc.rps.local\cdn\e2ebf07-0010-553c-b8ff-2b59778e387e\socat-1.7.3.2-2.e17.x86_64.zip Extracting to \\nosc.rps.local\cdn\e2ebf07-0010-553c-b8ff-2b59778e387e\socat-1.7.3.2-2.e17.x86_64.zip Extracting to \\nosc.rps.local\cdn\e2ebf07-6010-5478-960-73c-974ae003\cdn\e2ebf07101120034_en_US.zip Extracting to \\nosc.rps.local\cdn\e2ebf07F-600-868b-58f995f8153\stavtitualSwitchUpdate.zip Extracting to \\nosc.rps.local\cdn\e2ebf07F-600-868b-58f995f8153\stavtitualSwitchUpdate.zip Extracting to \\nosc.rps.local\cdn\e2ebf07F-600-868b-58f995f8153\stavtitualSwitchUpdate.zip Extracting to \\nosc.rps.local\cdn\e2ebf07F-600-868b-58f95f8153\stavtitualSwitchUpdate.zip Stracting to \\nosc.rps.local	🛦 Sid	ewinder																_			×
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Calling rest endpoint 'https://nosc.rps.local:777/RpsPackage/v1.0/packageservice/ImportPatchStream' Finished importing	Attem	pting to s	start RPS stream	import.																	
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Figure 13: Import - Monitor Import Logs