

LIR Management and Use

LIR Manager

The screenshot shows a web-based administrative interface for managing Local Internet Registraries (LIRs). At the top right is a green "Add LIR" button. Below it, a blue header bar displays "LIRs 3". The main content area is titled "Manage LIRs" and contains a table with three rows of data. The columns are labeled: ID, Name, RIR, ASN, MNT-BY/ORG-HANDLE, and Other Information. The data rows are:

ID	Name	RIR	ASN	MNT-BY/ORG-HANDLE	Other Information
1490	APNIC test	APNIC	34322		
95	ARIN Default LIR	ARIN	-	ORG-HANDLE	
1489	RIPE test	RIPE	12345	test	

Below the table, a message says "Displaying 1 to 3 of 3 items." with navigation buttons for "Previous", "1", and "Next". At the bottom right is a link "Back to IPAM Admin".

ProVision supports multiple LIRs (Local Internet Registries) in a single instance. This means that you have the ability to update SWIP/RPSL functions for a given allocation with the LIR information that you wish.

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LIR Setup and Use

The LIR Manager is available from the IPAM Admin page. In the Admin section, select the [IPAM Admin](#) tab, then "LIR Management: Add / Edit / Update LIRs".

The screenshot shows the IPAM Admin interface with a blue header bar containing various navigation links like Settings, IPAM Admin, Data Import, Users, API, Scheduler, Scanning, Log, Approvals, Constraints, and Exit Admin. A search bar and user profile icon are also present. Below the header, a sidebar titled "IPAM Admin" contains a "IPAM Management Tools" section. This section includes a brief introduction, a note to select a link for configuration editing, and several management categories with their sub-links:

- IPAM Lists Management:**
 - Edit IPAM Tags
 - Edit IPAM Regions
 - Edit IPv4 Subnets Dropdown
 - Edit IPv6 Subnets Dropdown
 - Edit IPAM Rules
 - Edit Numbering Authority
 - Edit IPAM Columns
 - Edit VLAN Columns
 - Smart Assign Templates
- Holding Tank Management:**
 - Process Holding Tank (Set to 10 days)
- LIR Management:**
 - Add/Edit/Update LIRs
- Configuration Management:**
 - IPAM Configuration
 - Alerts Management

You will be taken to the LIR Manager page, showing your current LIRs.

You may Add LIRs from the top of the page, and edit or delete the individual LIRs by hitting the Action Menu (gear icon).

The screenshot shows the LIR Manager page with a blue header bar and a sidebar on the left. The main content area has a title "LIRs 3" and a sub-section "Manage LIRs". It features a table with columns: ID, Name, RIR, ASN, MNT-BY/ORG-HANDLE, and Other Information. The table lists three items:

ID	Name	RIR	ASN	MNT-BY/ORG-HANDLE	Other Information
1490	APNIC test	APNIC	34322		
95	ARIN Default LIR	ARIN	-	ORG-HANDLE	
1489	RIPE test	RIPE	12345	test	

Below the table, a message says "Displaying 1 to 3 of 3 items." and there are navigation buttons for Previous, Next, and a page number 1. At the bottom right, there is a link "Back to IPAM Admin".

Add a LIR

After clicking on the **Add LIR** button, you can setup the required data for the specific RIR/LIR combination:

LIR Manager

LIRs (3)

	ID	Name	RIR	ASN	MNT-BY/ORG-HANDLE	Other Information
<input type="checkbox"/>	1490	APNIC test	APNIC	34322		

ARIN

Adding a new LIR with ARIN selected for RIR will bring up the following fields.

Users API Scheduler Scanning Log Approvals Constraints Exit Admin

Create New LIR

RIR

ARIN

Name

Enter Name...

ASN

Enter Asn...

Org ID	Abuse POC
<input type="text"/>	<input type="text"/>
Admin POC	Net Prefix
<input type="text"/>	<input type="text"/>
Tech POC	API Key
<input type="text"/>	<input type="text"/>

Add

Org ID Admin POC Tech POC Abuse POC NET Prefix API Key

Save Close

Enter the Name, ASN, ORG ID, POC information, NET Name Prefix, and API Key. Additional Orgs may be added by selecting the "Add Org" button.

Be sure to click the "Save" button when done to save your changes.

Remember to SAVE!

Make sure to click the Save button or else the LIR data will not save.

RIPE

Adding a new LIR with RIPE selected for RIR will bring up the following fields.

RIPE Integration

You must be using an MD5 password to update RIPE objects from ProVision! Please refer to RIPE's authentication page for additional details:

<https://www.ripe.net/manage-ips-and-asns/db/support/security/protecting-data#solving-authentication-problems>

The screenshot shows a 'Create New LIR' dialog box. At the top, there are tabs for 'RIR', 'Name', 'ASN', and 'Maintainer'. The 'Maintainer' tab is currently selected and expanded, displaying four input fields: 'Maintainer', 'Admin Contact', 'Tech Contact', and 'Password'. A green 'Add' button is located at the bottom right of this section. Below the tabs, there are four buttons labeled 'Maintainer', 'Admin Contact', 'Tech Contact', and 'Password'. At the bottom of the dialog are two buttons: 'Save' (blue) and 'Close'.

Enter the Name, ASN, Maintainer, Password, and Contact information. Additional Maintainers may be added by selecting the "Add Maintainer" button.

Be sure to click the "Save" button when done to save your changes.

Remember to SAVE!

Make sure to click the Save button or else the LIR data will not save.

Edit a LIR

Edit a LIR by clicking on the Action Menu (gear icon) next to the entry in the LIR Manager.

The Update LIR dialog will open. From here, you can edit RIR, Name, ASN, and Org information, as well as add / delete Orgs.

Update LIR

RIR	ARIN				
Name	ARIN Default LIR				
ASN	Enter Asn...				
Org ID	Abuse POC				
Admin POC	Net Prefix				
Tech POC	API Key				
Add					
Org ID	Admin POC	Tech POC	Abuse POC	NET Prefix	API Key
ORG-HANDLE	-	-	-	-	
<input type="button" value="Save"/> <input type="button" value="Close"/>					

Delete LIR(s)

Delete a single LIR by clicking on the Action Menu (gear icon) next to the entry in the LIR Manager, and select "Delete".

LIRs 3						
Manage LIRs						Items per page 5 Search by name...
	ID	Name	RIR	ASN	MNT-BY/ORG-HANDLE	Other Information
<input type="checkbox"/>	1490	APNIC test	APNIC	34322		
<input type="checkbox"/>	95	ARIN Default LIR	ARIN	-	ORG-HANDLE	
<input type="checkbox"/>	1489	RIPE test	RIPE	12345	test	 Delete

Delete multiple LIRs by clicking the checkboxes next to the desired LIRs to delete. Then, under "Actions" at the top of the page, select "Delete All".

Manage LIRs Selected 2 items					
		Actions			
	↑ ID	↑ Name	ASN	MNT-BY/ORG-HANDLE	Other Information
<input checked="" type="checkbox"/>	1490	APNIC test	APNIC	34322	⚙️
<input type="checkbox"/>	95	ARIN Default LIR	ARIN	-	⚙️
<input checked="" type="checkbox"/>	1489	RIPE test	RIPE	12345	test ⚙️

You may also right click anywhere on the selected rows to open the multi-select context menu, where you may choose "Unselect All" or "Delete All".

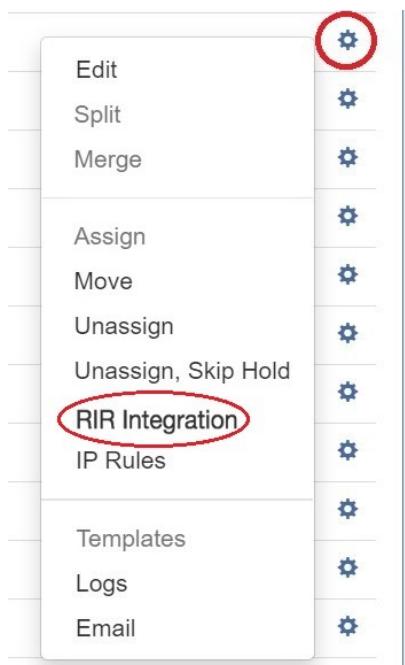
Manage LIRs Selected 2 items					
		Actions			
	↑ ID	↑ Name	RIR	ASN	MNT-BY/ORG-HANDLE
<input checked="" type="checkbox"/>	1490	APNIC test	APNIC	34322	⚙️
<input type="checkbox"/>	95	ARIN Default LIR	ARIN	-	⚙️
<input checked="" type="checkbox"/>	1489	RIPE test	RIPE	12345	test ⚙️

Displaying 1 to 3 of 3 items.

Unselect all
Delete all

RIR Integration

Once these have been configured, you will be able to use the **RIR integration** feature from the Action Menu on the IPAM Manage screen or IPAM Gadget:



RIR specific options will pop up (see ARIN example below) and give the options for "Simple Reassign", "Detailed Reassign", or "Close" to exit.

AM VLAN Logging

ARIN Integration 10.0.0.0/24 (10.0.0.0 - 10.0.0.255)

6connect

Net Name: 6CONN-10-0-0-0-24

Registrar Public Name (Simple Reassign only):

By default, when ARIN blocks are SWIPed the customer name in the WHOIS database will be set to the assigned resource name. To override this, enter a public name to use in this field.

Org Handle	Admin POC	Net POC	Abuse POC	Net Name Prefix	API Key
CONNE-81	6CONN-ARIN	6CONN-ARIN	6CONN-ARIN	6CONN	*****

Simple Reassign Detailed Reassign Close

The screenshot shows a software interface for managing ARIN integration. At the top, there are tabs for 'AM', 'VLAN', and 'Logging'. Below that, it says 'ARIN Integration 10.0.0.0/24 (10.0.0.0 - 10.0.0.255)'. A dropdown menu shows '6connect'. There are fields for 'Net Name' (set to '6CONN-10-0-0-0-24') and 'Registrar Public Name (Simple Reassign only)'. A note states that by default, the customer name in the WHOIS database will be set to the assigned resource name, but an override can be entered. Below this is a table with columns: Org Handle, Admin POC, Net POC, Abuse POC, Net Name Prefix, and API Key. One row is shown: CONNE-81, 6CONN-ARIN, 6CONN-ARIN, 6CONN-ARIN, 6CONN, and '*****'. At the bottom are three buttons: 'Simple Reassign', 'Detailed Reassign', and 'Close'.

Additional Information

For additional detail, continue on to:

- ARIN LIR Setup and Use
- RIPE LIR Setup and Use
- LIR Walkthrough