



dcTrack Connector for NetBox

More Integrations to Consider

- **CMDB (e.g., ServiceNow, BMC, Ivanti/Cherwell).** Automatically create and update linked assets in dcTrack when devices are added or changed in your CMDB.
- **Server Infrastructure Management (e.g., Dell OME, HPE OneView, Cisco Intersight).** Automatically update dcTrack with server attributes such as hardware configuration and warranty information.
- **Ticketing (e.g., Jira, ServiceNow).** Automatically generate linked tickets in dcTrack from your ticketing system and sync status updates between both tools.
- **Private Cloud (e.g., VMware, Nutanix, Red Hat OpenShift).** Sync virtual machines with their physical hosts so you know which customers to notify during host maintenance.
- **Public Cloud (e.g., Azure, AWS).** Manage compute capacity across all locations to determine the most cost-efficient placement for deployments.
- **Colocation Infrastructure Monitoring (e.g., Equinix SmartView).** Compare Power IQ data from intelligent rack PDUs with information provided by your colo provider.
- **Observability (e.g., Splunk).** Automatically forward dcTrack events for processing and analysis.
- **DevOps (e.g., Chef, Jenkins).** Sync device information to support provisioning and orchestration.
- **Collaboration (e.g., Microsoft Teams).** Automatically send alerts and ticket updates to communication channels for faster issue resolution.

Out-of-the-Box NetBox Connector for dcTrack

Sunbird's NetBox connector programmatically pulls device, port, and cabling data from NetBox into dcTrack using a preconfigured base XML connector, driving automation and giving you a single pane of glass and single source of truth with more complete information across your entire infrastructure.

What Does the Integration Do?

- **Hardware sync.** Pull manufacturer, model, serial number, device role, and operational status for matched assets directly from NetBox into dcTrack.
- **Location mapping.** Map NetBox site data to the dcTrack location to maintain accurate physical placement records.
- **Network port and cabling data.** Automatically update dcTrack with port details, IP addresses, and cabling attributes.

Why Integrate dcTrack with NetBox?

- **dcTrack as a single pane of glass and consolidated source of truth.** Eliminate swivel chair management with a single system where users can track and visualize data center assets, inclusive of all network infrastructure assets, in one intuitive GUI. In addition to NetBox, you can also integrate dcTrack with tools like ServiceNow, Dell OME, Cisco Intersight, Jira, VMware, Cisco ACI, and HPE OneView.
- **Increased operational efficiency.** Manually keeping asset, port, and cabling documentation accurate across multiple systems is time-consuming and error-prone. The NetBox connector automatically keeps this data in sync with no additional manual data entry required.
- **Data-driven collaboration across functions.** Network teams maintain NetBox while data center operations teams work in dcTrack. The integration maintains a more complete digital twin and source of truth where both teams can work from the same data for faster and more informed planning and troubleshooting.

How Does the Connector Work?

- The connector runs on a configurable polling interval and automatically syncs data from NetBox into dcTrack without manual intervention. Assets are matched between the two systems using the NetBox device name mapped to the dcTrack alias field, and data flows in one direction from NetBox into dcTrack. The base connector is extensible to include additional custom field mapping from both systems.

Where Is the Connector Available?

- Visit [Sunbird's addons site](#) to download the connector and see Sunbird's other connectors and addons. A valid maintenance contract and support portal login are required.
- The download file includes the base connector and step-by-step instructions to install it.



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The table below displays each mapped field, the dcTrack subtab and panel where it appears, and whether dcTrack or NetBox is the system of record for that field as of the NetBox connector v1.

Type	Subtab	Panel	dcTrack Field	API Field	System of Record
Standard	Items Detail	Hardware	cmbMake	manufacturer	NetBox
			cmbModel	model	
			tiSerialNumber	serial	
		Identity	tiAlias	name	dcTrack
			tiName	name	
			cmbType	device_role	
	Placement	cmbStatus	status	NetBox	
	Data Port	Grid	cmbLocation		site
			portName		portname
			portId		portId
			ip_addresses		ip_addresses
			ip_address		ip_address
			cidr		cidr
	Data Connection	index	index		
		cordId	label		
		cordLength	length		
cordColor		color			
		cordType	cordType		

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Based in Piscataway, NJ, Sunbird serves over 2,000 DCIM customers worldwide. For more information, please visit SunbirdDCIM.com.

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