



IP FABRIC

UNDISCOVERED NETWORK ELEMENTS

Report Introduction

The Discovery Report provides a comprehensive overview of the IP Fabric Discovery process results, with a primary focus on undiscovered IP addresses within your network. This report combines data from the discovery process with additional context from various network tables to provide a detailed analysis of potential network blind spots.

Key components of this report include:

Discovery Results: Presents a summary of the IP addresses that were not successfully discovered during the network scanning process, including error types and discovery statuses.

Connectivity Context: Enriches the discovery data with information from the Connectivity Report, providing additional insights into why certain IP addresses may not have been discovered.

CDP/LLDP Context: Incorporates data from CDP (Cisco Discovery Protocol) and LLDP (Link Layer Discovery Protocol) to identify any undiscovered devices that are known to their neighbors but not directly accessible during the discovery process.

Routing Protocols Context: Utilizes data from routing protocols (such as BGP, OSPF, and EIGRP) to highlight undiscovered IP addresses that are part of the routing tables but not directly discoverable.

This report is designed to help network administrators and engineers:

- Identify and investigate IP addresses that could not be discovered during the network scanning process.
- Understand the reasons behind discovery failures, whether they are due to access issues, misconfigurations, or other factors.
- Discover potential security risks or misconfigurations in the network by highlighting devices that are known to exist (through CDP/LLDP or routing tables) but could not be directly accessed.
- Improve the overall network discovery process by providing insights into areas that may require additional attention or configuration changes.

Snapshot Data Summary

IP Fabric URL	https://demo2.eu.ipfabric.io/api/v6.10/
IP Fabric Version	6.10.4+0
Snapshot Name	Day 4
Snapshot ID	224758b4-b66e-40e1-8584-d70d2e3ecf78
Network sites/groups	6
Network devices	49

1 (un) Discovery Overview

Total Unique IPs	60
Total Devices	60
Total Unique MAC Addresses	49

2 Undiscovered IPs by source

arp	44
xdp	11
routes	5

3 Detected Vendors by MAC Address

IPF Entry: juniper	41
Cisco Systems, Inc	14

4 Error Type Distribution

5 Discovery Status Distribution

notInIncludeList	53
inExcludeList	7

6 CDP Information

IPs seen with xDP

0

7 Routing Protocol Information

IPs seen over Matrix BGP	0
IPs seen over Matrix OSPF	0
IPs seen over Matrix EIGRP	0