



As more networks transition to IPv6 to address the exhaustion of IPv4 addresses, organizations need tools that can recognize, monitor, and manage IPv6 traffic effectively. Without proper visibility and control, IPv6 traffic could bypass existing network policies, potentially leading to security gaps, performance issues, or uncontrolled usage. GFI Exinda NetworkOrchestrator ensures that IPv6 traffic receives the same level of intelligent optimization and shaping as IPv4, helping IT teams maintain control and deliver consistent application performance.

IPv6 traffic in Real-Time monitor

GFI Exinda NetworkOrchestrator automatically identifies IPv6 traffic alongside IPv4. In the Real-Time Monitor, IPv6 traffic appears by IP address and is labeled accordingly. You can track usage, throughput, and application-level details.

Realtime | Auto-Refresh Rate: 20 seconds | IP/Subnet Filter: fd00:abcd::2 | Apply | ☐ Show Policies ☐ Show Users ☒ Group

Inbound Conversations					
External IP	Internal IP	Application	Transfer Rate (kbps)	Packet Rate (pps)	Flows
Total			0.850	1	1
fd00:abcd::1	fd00:abcd::2	ICMPV6[Echo Reply,Neighbor Advertisement]	0.850	1	1

Outbound Conversations					
External IP	Internal IP	Application	Transfer Rate (kbps)	Packet Rate (pps)	Flows
Total			2.450	3	11
fd00:abcd::1	fd00:abcd::2	ICMPV6[Echo Request,Neighbor Solicitation]	0.856	1	1
fec0:0:0:ffff::2	fd00:abcd::2	DNS	0.507	1	3
fec0:0:0:ffff::3	fd00:abcd::2	DNS	0.507	1	3
fec0:0:0:ffff::1	fd00:abcd::2	DNS	0.507	1	3
2604:a880:800:10::873:4001	fd00:abcd::2	HTTPS	0.072	0	1

Data on this page will be refreshed in 18 seconds.

Creating an IPv6 Network Object

To create a network object that matches IPv6 traffic:

1. Go to Configuration > Objects > Network Objects.
2. Enter a name for the object (e.g., "IPv6 Client Network").
3. Enter the IPv6 address or subnet (e.g., 2001:db8::/64).
4. Click Add New Network Object.

Add New Network Object

Name:

Location:

Subnet Report: ☐

Subnets:

IP Network Address / Mask Length	
<input type="text" value="fd00:abcd::"/>	<input type="text" value="64"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Creating and applying a policy for IPv6 Traffic

1 Create a Policy

- 1. Navigate to Optimizer > Policies.
- 2. Define the policy name (e.g., “Limit IPv6 Streaming”).
- 3. Set the Source or Destination to the previously created IPv6 network object.
- 4. Choose an appropriate application group (e.g., Streaming Media).
- 5. Configure bandwidth, priority, or shaping settings as needed.
- 6. Click on Add New Policy.

Policy

OptimizerPoliciesWizard

Policies define the traffic to match as well as the action to take on that traffic.

Add New VC Policy

Policy Name: IPv6 block

Block Options: ☐ Discard only the first packet of a connection

VC Policy Number: 40

Schedule: ALWAYS

Action: Discard

Policy Enabled: ☒

Filter Rules:

VLAN	Source	Direction	Destination	ToS/DSCP	Application
ALL	IPv6 -2	Both	ALL		ALL
		Both			
		Both			
		Both			

NOTE: Filters cannot be deleted from this page. Please go to the Optimizer|Policies to delete filters.

Add New PolicyCancel

2 Apply the Policy

- 1. Click Apply Changes on the Optimizer page.
- 2. The policy takes effect immediately, and matching IPv6 traffic will be managed according to your configuration.

Realtime | Auto-Refresh Rate: 20 seconds | IP/Subnet Filter: fd00:abcd::2 | Apply | ☐ Show Policies ☐ Show Users ☒ Group

ApplicationsHosts/UsersConversationsReductionApplication ResponseHost HealthAI Advisor

Inbound Conversations						Outbound Conversations					
External IP	Internal IP	Application	Transfer Rate (kbps)	Packet Rate (pps)	Flows	External IP	Internal IP	Application	Transfer Rate (kbps)	Packet Rate (pps)	Flows
Total			0.157	0	1	Total			0.157	0	1
fd00:abcd::1	fd00:abcd::2	ICMPV6[Echo Reply,Neighbor Advertisement]	0.157	0	1	fd00:abcd::1	fd00:abcd::2	ICMPV6[Echo Request,Neighbor Solicitation]	0.157	0	1

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Summary

GFI Exinda NetworkOrchestrator gives you full visibility and control over IPv6 traffic. This is essential for future-proofing your network, maintaining consistent policies across both protocols, and ensuring reliable application performance in a modern network environment.

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sales@gfi.com gfi.ai/exinda