



Summary

LiveNX is not able to configure a Cisco Nexus 7k to export Netflow; however, this does not mean that LiveNX cannot collect Netflow that is sent to it. It is necessary for a user to follow the steps in this guide to configure their Cisco Nexus 7k to export the flow.

Q: I tried to use LiveNX to configure Netflow on my Nexus 7k, what should I do?

A: It is not recommended that you use LiveNX to configure Netflow. It is likely that you have some configurations from LiveNX that need to be removed. You can contact support at support@liveaction.com from more assistance.

Q: Where can I read more about Cisco Nexus 7k and NetFlow?

A: You can read more here: <http://www.cisco.com/c/en/us/support/docs/switches/nexus-7000-series-switches/112213-netflow-nexus7000-nsox-configex.html>.

Q: You didn't answer my question!

A: Feel free to contact support@liveaction.com for any further questions.

If you have any questions about this guide, or need any assistance in general please contact LiveAction support: support@liveaction.com.

Apply commands to your Nexus 7k

The following commands need to be applied to your Nexus 7k.

Turn on NetFlow

```
feature netflow
```

Create a LiveNX Flow Exporter

```
flow exporter LIVENX-FLOWEXPORTER
description DO NOT MODIFY. USED BY LIVENX.
source mgmt 0
destination 172.16.67.141 LiveNX Server
transport udp 2055
version 9
```

Create a LiveNX Flow Sampler

(Optional: Would recommend to use if you are seeing above average in CPU increase)

```
sampler LIVENX-FLOWSAMPLER
Description DO NOT MODIFY. USED BY LIVENX.
mode 1 out-of 1000
```

Create a LiveNX Flow Record

```
flow record LIVENX-FLOWRECORD
description DO NOT MODIFY. USED BY LIVENX.
match ipv4 source address
match ipv4 destination address
match ip protocol
match ip tos
match transport source-port
match transport destination-port
collect flow sampler id
collect routing source as
collect routing destination as
collect routing next-hop address ipv4
collect transport tcp flags
collect counter bytes
collect counter packets
collect timestamp sys-uptime first
collect timestamp sys-uptime last
collect routing next-hop address ipv4
collect transport tcp flags
```

Create a LiveNX Flow Monitor

```
flow monitor LIVENX-FLOWMONITOR
description DO NOT MODIFY. USED BY LIVENX.
exporter LIVENX-FLOWEXPORTER
```

Apply the Flow Monitor to interesting interfaces

```
interface Ethernet1/47
ip flow monitor LIVENX-FLOWMONITOR input
ip flow monitor LIVENX-FLOWMONITOR output
```

With Sampler

```
interface Ethernet1/22
ip flow monitor LIVENX-FLOWMONITOR input sampler LIVENX-FLOWSAMPLER
ip flow monitor LIVENX-FLOWMONITOR output sampler LIVENX-FLOWSAMPLER
```