System Requirements

System requirements depend primarily on the number of IP flows that will be received and processed by the system. The bigger the network traffic volume, the higher the number of IP flows. This reflects strongly on IP flow processing speed and Raw Data file size. The former rises the CPU speed requirement and the latter rises the amount of HDD space needed to store Raw Data.

In addition to this, HDD space requirement rises with the number of Traffic Patterns and subnets you create and with the amount of Raw Data files you decide to store on your system. The number of Traffic Patterns you create also affects the IP flow processing speed.

Hardware Requirements

NetFlow Analyzer Server

Package (max fps)	Usual Load (avg fps, avg nodes)	CPU	RAM	HDD Space
Free (5 fps)	2 fps, 10 nodes	Singe-core 1.6 GHz processor	6GB	20 GB
Express (50 fps)	20 fps, 50 nodes	Singe-core 2.0 GHz processor	6GB	50 GB
Small & Medium (500 fps)	200 fps, 100 nodes	Singe-core 2.0 GHz processor	10GB	100 GB
Enterprise (5k fps)	2,000 fps, 500 nodes	Dual-core 2.0GHz processor	16GB	500 GB - SAS or SSD in RAID 0 or similar setup with striping
Large Enterprise (50k fps)	35,000 fps, 1,500 nodes	Octa-core 2.0GHz processor	32GB	5 TB - SAS or SSD in RAID 0 or similar setup with striping
Premium (50k+ fps)	Contact us			

General assumptions: 30 days of Archive and 365 days of Database history stored.

> NetFlow Analyzer is highly flexible and you can configure it to minimize system requirements cost. To get more details on configuration, see NetFlow Settings > Configuration.

> To learn more on how calculation is made or how to make your own custom HDD space estimation, see NetVizura NetFlow Analyzer HDD Calculator.xlsx.

> ℹ️
> - These are recommended server requirements based on the Usual Load (during business hours) given in the table above. Average flows processed and monitoring counters impact all parameters (CPU, RAM and HDD). Archive and Database storing time also impacts HDD space and may require additional external storage.
> - NetVizura comes with built-in database which will be installed on the NetVizura server. You can use a different server for your database to achieve better performance but note that NetVizura only supports PostgreSQL version 9.6+.
> - NetFlow Analyzer Raw Data files are stored on the NetVizura server. You can store them in some other storage, but keep in mind that it can have a considerable impact on the performance due to large files being transferred across your network between the NetVizura server and Raw data files storage.

EventLog Analyzer Server

Package (max exporters)	Usual Load (max mps, alarms)	CPU	RAM	HDD Space
Free (3 exporters)	500 mps, 2 alarms	Singe-core 1.6 GHz	2GB	1.2 TB - SAS or SSD in RAID 0 or similar set-up with striping
Small & Medium (20 exporters)	5k mps, 5 alarms	Quad-Core 3.0 GHz	4GB	12 TB - SAS or SSD in RAID 0 or similar setup with striping
Enterprise (100 exporters)	30k mps, 10 alarms	Octa-Core 3.6 GHz	16GB	120 TB - SAS or SSD in RAID 0 or similar setup with striping
Premium (100+ exporters)	Contact us			

> To learn more on how calculation is made or how to make your own custom HDD space estimation, see NetVizura EventLog Analyzer HDD Calculator.xlsx.

General assumptions: 30 days of Database history stored.

ℹ️

> ℹ️ These are recommended server requirements based on the Usual Load (during business hours) given in the table above. Maximum messages processed and applied alarms impact all parameters (CPU, RAM and HDD). Database storing time also impacts HDD space and may require additional external storage.

MIB Browser Server

Package	CPU	RAM	HDD Space
Minimum	Singe-core 1.6GHz processor	2GB	500 MB

General assumptions: lifetime Database history stored.

Software Requirements

Software	Comes with NetVizura	Notes
Oracle Java 8	No (Windows)	Required for Windows installer
OpenJDK 8	Yes (Linux)	Automatically installed with Linux packages
Apache Tomcat 7, 8 or 9	Yes (Linux) No (Windows)	Automatically installed with Linux packages Required for Windows installer
PostgreSQL 12+	Yes (Linux) No (Windows)	Automatically installed with Linux packages Required for Windows installer PostgreSQL 12 is recommended
Elasticsearch 7	Yes (Linux) No (Windows)	Automatically installed with Linux packages. Required for Windows installer.

> ℹ️ **Supported Resolution**
>
> Please note that we support resolution 1366x768px and higher, and that our application responsiveness is developed accordingly.

Supported OS

OS	Versions and Distributions
Linux Debian	Debian Bullseye 11 (64 bit) Debian Buster 10 (64 bit)
Linux Ubuntu	Ubuntu Jammy Jellyfish 22.04 LTS (64-bit) Ubuntu Focal Fossa 20.04 LTS (64-bit)
Linux CentOS	CentOS 9 (64 bit) CentOS 8 (64 bit)
Windows	Windows Server 2012 (64 bit) Windows Server 2016 (64 bit) Windows Server 2019 (64 bit) Windows Server 2022 (64 bit)

Supported Browsers

Browser	Versions	Notes
Chrome	35.0+	-
Firefox	26.0+	-
Safari	10.0+	-