

Server for the pinger Utility in dnxOS


 This script functions as a server for the **pinger** utility within the *dnxOS* operating system.

System Requirements

A PC or virtual machine with the following specifications is required:

- **Platform:** Linux
- **Python:** 3.7 or higher
- **Resources:** Minimal (128 MB RAM and 10 MB of disk space are sufficient)

Running the Script

1. Download the script *pinger_server.py*  docs.donyx.com/file/pinger_server.
2. Upload the downloaded file to the target PC (or virtual machine).
3. Execute the script. Launch command:

```
python3 pinger_server.py [-a IP] [-p PORT] [-d]
```

Supported Arguments

Description	Short	Full	Default
Bind IP address	<i>-a</i>	<i>--ip</i>	<i>0.0.0.0</i>
TCP port	<i>-p</i>	<i>--port</i>	<i>2000</i>
Debug mode (DEBUG logs)	<i>-d</i>	<i>--debug</i>	<i>-</i>

 If arguments are not specified, default values are used.

Logging

The script records operational data to the *pinger_server.log* file, which is created in the script's execution directory.

File Management and Rotation:

- **Maximum file size:** 1 MB.
- **Retention policy:** Up to 5 archived log files are maintained.

Logging Levels:

- *INFO* — standard mode recording primary events only.
- *DEBUG* — detailed mode activated by the *-d* flag during startup.

Output Destination:

Logs are directed simultaneously to the log file and the standard output (console).