

Netstat

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1 Article purpose

This article provides the basic information needed to start using the Linux tool: **netstat** ^[1].





2 Introduction

The following table provides a brief description of the tool, as well as its availability depending on the software packages:

☑: this tool is either present (ready to use or to be activated), or can be integrated and activated on the software package.

☒: this tool is not present and cannot be integrated, or it is present but cannot be activated on the software package.

| Tool | | | STM32MPU Embedded Software distribution | | | STM32MPU Embedded Software distribution for Android™ | | |
|------|----------|--|---|-------------------|----------------------|--|-------------------|----------------------|
| Name | Category | Purpose | Starter Package | Developer Package | Distribution Package | Starter Package | Developer Package | Distribution Package |
| | | netstat ^[1] prints network | | | | | | |

| | | | | | | |
|---------|------------------|--|---|---|---|---|
| netstat | Monitoring tools | connections, routing tables, interface statistics, masquerade connections, and multicast membership information. |  |  |  |  |
|---------|------------------|--|---|---|---|---|

3 Installing the trace and debug tool on your target board

3.1 Using the STM32MPU Embedded Software distribution

netstat is installed by default and ready to be used with all STM32MPU Embedded Software Packages.

It comes through the **busybox**:

```
Board $> which netstat | xargs ls -la
/bin/netstat -> /bin/busybox.nosuid
```

3.2 Using the STM32MPU Embedded Software distribution for Android™



Coming soon

4 Getting started

Here are basic commands to start with netstat:

- Display kernel routing information

```
Board $> netstat -rn
Kernel IP routing table
Destination      Gateway          Genmask         Flags   MSS Window  irtt Iface
0.0.0.0          10.99.3.254     0.0.0.0         UG      0 0        0 eth0
10.99.0.0        0.0.0.0         255.255.252.0   U       0 0        0 eth0
10.99.3.254     0.0.0.0         255.255.255.255 UH      0 0        0 eth0
```

- List out listening-only connections

```
Board $> netstat -tnl
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp    0      0 0.0.0.0:19999          0.0.0.0:*               LISTEN
tcp    0      0 0.0.0.0:5355           0.0.0.0:*               LISTEN
tcp    0      0 10.99.1.237:53         0.0.0.0:*               LISTEN
tcp    0      0 127.0.0.1:53           0.0.0.0:*               LISTEN
tcp    0      0 127.0.0.1:953         0.0.0.0:*               LISTEN
tcp    0      0 0.0.0.0:1534          0.0.0.0:*               LISTEN
tcp    0      0 :::19999               :::*                    LISTEN
tcp    0      0 :::5355                :::*                    LISTEN
tcp    0      0 :::53                  :::*                    LISTEN
tcp    0      0 :::22                  :::*                    LISTEN
```

5 To go further

Additional documentation is available on Internet about **netstat**. See [References](#).

Refer to Linux[®] man page^[1] for more details on command options.

6 References

- [↑] ^{1.0} ^{1.1} ^{1.2} <https://linux.die.net/man/8/netstat>

- Useful external links

| Document link | Document Type | Description |
|---|---------------|-----------------|
| netstat (wikipedia.org) | Standard | wikipedia.org |
| netstat examples | User Guide | binarytides.com |
| netstat main commands | User Guide | geekflare.com |