

Quick Guide: How to Install the DroneTracker Server

This quick guide describes requirements and a simplified instruction for the installation of the DroneTracker Server.

Following the instructions requires basic knowledge about linux and servers. For a more detailed description, follow the planning manual “Deploying DroneTracker System on premises”.

Requirements

- Exclusive use of the server resources in this OS, physical or virtual machine
- 500 GB Hard Disc recommended, divided in System and Recordings:
 - o **System:** 25 GB (required)
 - o **Recordings:** depending on the number of sensors and system configuration; minimum 50 GB number of recordings severely limited, recommended 475 GB; additional storage for long term archiving
- Processor: Dual Core CPU (can be virtualized if exclusive)
- Working memory: 8 GB
- OS: Ubuntu 16.04 LTS – 64 bit
- Deactivated encryption of home directory

Overview ports DroneTracker Server

Incoming

Protocol	Service	Function	Port
TCP	SSH	Dedrone Service access	22
TCP	HTTP / HTTPS	Web interface	Configurable Default HTTP: 8080 Default HTTPS:443
TCP	MQTT TLS	Sensor connection	8883
UDP	SNMP	SNMP notifications	Configurable Default: 161

Outgoing

Protocol	Service	Function	Address	Port
TCP	HTTP/HTTPS	Download of updates, communication with cloud	trackerapi.dedrone.com	HTTP: 8080 HTTPS: 443
TCP	HTTP/HTTPS	Check license	license.dedrone.com	HTTP: 8080 HTTPS: 443
TCP	Configurable	Notifications	configurable	configurable
TCP + UDP	DNS	DNS	via DHCP	53
UDP	NTP	Time sync	ntp.dedrone.com	123
UDP	SNMP (traps)	SNMP notifications	configurable	162
TCP	MQTT TLS	Sensor communication		8883

Procedure:

1 Go to address <https://downloads.dedrone.com> and log in with your credentials.

2 Download the desired DroneTracker Server version to your server.

3 On the server, unpack the file as dedrone user with the command:
`tar xzf dedrone_server-v[version].tgz`

4 Follow the included Readme file **README.txt**.