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# Installation Checklist

**Connectivity Suite v3.0 or higher**

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# 1 Installation Requirements Checklist

This checklist provides all requirements to execute a successful Connectivity Suite installation. The document must be read, filled out, signed and sent back to NetModule. In this way the installation can be executed in an efficient and successful way.

Provide for every checkbox a tick if you have read and understood the requirement. If you do not understand a requirement consult the instruction manual, contact your respective NetModule contact person or the support of NetModule via [support@support.netmodule.com](mailto:support@support.netmodule.com).

## 1.1 System requirements

Minimum system requirements of the server where the Connectivity Suite will be installed:

Hardware requirements	My server fulfils the requirement
Physical or virtual server is either hosted by the company or by an IAAS (Infrastructure as a Service) provider	<input type="checkbox"/>
CPU: At least 2 cores, running at least 2.5 GHz each	<input type="checkbox"/>
RAM: At least 16 GB	<input type="checkbox"/>
Disk space: At least 120 GB	<input type="checkbox"/>
Software requirements	My server fulfils the requirement
Operating system: Ubuntu server 20.04, 22.04, Debian 10	<input type="checkbox"/>
Docker v20	<input type="checkbox"/>
Docker Compose Plugin v2	<input type="checkbox"/>

## 1.2 Domain Name

Every Connectivity Suite instance requires a domain name. Therefore, find below the requirements of the domain name of the Connectivity Suite:

Requirements	My Domain name fulfils the requirements
A fully qualified domain name (FQDN) is needed which points to the IP address of the server where the Connectivity Suite is installed (example: "cs.my-company.com").	<input type="checkbox"/>
If you want to use TLS certificates issued by Let's Encrypt, this FQDN must be publicly known and accessible from the internet.	<input type="checkbox"/>
A CNAME is needed called devices.<Connectivity Suite domain> that maps to the FQDN of the Connectivity Suite	<input type="checkbox"/>

*Note that some domains which are automatically created by providers such as AWS are not accepted by Let's Encrypt and can therefore not be used.*

### 1.3 Firewall requirements

The server where the Connectivity Suite is installed must have access to the internet. Therefore, the following ports must be opened for incoming connections to the server:

#### 1.3.1 Incoming Ports

Requirements	Following ports are open for traffic
TCP 80 <sup>1)</sup>	<input type="checkbox"/>
TCP 443 <sup>2)</sup>	<input type="checkbox"/>
UDP 50040 <sup>3)</sup>	<input type="checkbox"/>
UDP 50041 <sup>3)</sup>	<input type="checkbox"/>
UDP custom ports <sup>3)</sup>	<input type="checkbox"/>

1) If you do not want to use TLS certificates issued by Let's Encrypt, port 80 does not need to be opened to the outside world.

2) If all the users of the Connectivity Suite UI are located inside the company network, port 443 does not need to be opened to the outside world.

3) If all the routers managed by the Connectivity Suite are located inside the company network, the UDP ports do not need to be opened to the outside world.

#### 1.3.2 Outgoing Ports

Requirements	Following ports are open for traffic
TCP 443	<input type="checkbox"/>
TCP 21	<input type="checkbox"/>

### 1.4 Private address blocks

The Connectivity Suite requires two IP-address blocks for the VPN network which will be managed by the Connectivity Suite. Therefore, the following Connectivity Suite network requirements must be considered when installing the Connectivity Suite:

Requirements	Following address blocks are defined
The Core Address Block: used for Docker Networks, the Provisioning Server network, and the Backend Server network is defined <sup>1)</sup>	<input type="checkbox"/>
The Platform Address Block: used for addressing all Devices (and possible End Devices) which are assigned to VPN networks is defined	<input type="checkbox"/>

1) It must be a /20 network (4'096 addresses).

I hereby confirm that I have read and understood the requirements to install Connectivity Suite.

Signature:

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