Installation Checklist

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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.

1.1   System requirements

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

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	☐
Operating system: Ubuntu Server 16 or 18, Debian 9	☐
CPU: At least 2 cores, running at least 2.5 GHz each	☐
RAM: At least 16 GB	☐
Disk space: At least 120 GB	☐

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).	☐
If you want to use TLS certificates issued by Let's Encrypt, this FQDN must be publicly known and accessible from the internet.	☐

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:

Requirements	Following ports are open for traffic
TCP 80[1]	☐
TCP 443[2]	☐
UDP 1194[3]	☐
UDP 1195[3]	☐
UDP custom ports[3]	☐
TCP SSH port[4]	☐

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.
4) Loopback connections must be allowed for the ports TCP 22, TCP 443, and UDP 1194 (i.e. the server must be able to establish connections to itself over these ports using its FQDN).

1.4 Private subnetworks

The Connectivity Suite requires IP-address ranges 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 subnetworks are defined
The Core Network: used for Docker Networks, the Provisioning Server network, and the Home Server network is defined	☐
The Home Network: used for addressing all Devices (and possible End Devices) which are assigned to Tenants is defined	☐

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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