



## Co-Location Guide

Node4 DC2

Public

*Node4 Limited*

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## Overview

If you are co-locating at the Node4 Data Centre (DC2) this document contains information that you may find useful before you install your equipment.

## Racks

Our racks are 46 U high, with 2 support columns at the front and 2 at the back:

Rack Specifications	
Height	2200mm
Width	600mm
Depth	1000mm
Rack Height	46U
Column Spacing (L-R)	19"
Column Spacing (F-B)	29"
Cage Holes	Square
Standard Power	16A single phase
Power options	2x16A dual phase 1x32A single phase 2x32A dual phase
Power connectors	20 x IEC connectors in rack mount 2U power strip
Patch Panels	4xRJ-45 (number of ports enabled depends on connectivity)
Standard locks	Key locks front and rear
Lock options	Key plus 3 digit combination

All network equipment should be rack mounted where possible, or placed on rack tray.

## Network Connectivity

Each full rack has a patch panel at the base of the rack in either U2 or U3. Four RJ-45 Ethernet ports are patched through to our patch panels at the side of our network switches. By default we will only enable one of these ports for you to patch your switch into.

If you have opted for HSRP redundant links, 2 ports will be enabled and patched into separate switches on our core network.

If you are buying a ¼ or ½ rack, you will have your own single patch port at the bottom of the rack.

The port will be configured as either 10-full duplex or 100-full duplex depending on the connectivity you have bought. We do not support auto negotiation

Connectivity is direct to the Internet with no firewall.

## IP Addressing

Node4 will assign you a public IP address subnet. If you require more than 8 public IP addresses, you will have to register each IP's use with RIPE (we will provide you with a form for this).

If you are using Provider Independent IP Addresses, please contact Node4 technical support.

Your subnet will be on a separate VLAN from other customers.

## Rack Separation

Our racks have side panels separating them from the next rack. However if you buy multiple racks together we will remove the panels to allow you to patch between cabinets etc.

## Security

Our racks remain locked at all times when not in use. Node4 keep all rack keys onsite. 3 digit combination locks are available on racks for an additional one off cost of £40.

You will need to have your swipe card enabled by tech support in order to access the data centre.

For more information on data centre security, including the access process, please read the Node4 Security Procedures document (available from [www.node4.co.uk/downloads](http://www.node4.co.uk/downloads)).

## Power Supply

All our power distribution units (PDUs) use IEC connectors rather than 3-pin domestic plugs.

By default, each rack has a 16A power feed connected to a 20port PDU mounted in the centre of the rack.

You can bring your own PDUs to daisy chain off the primary PDU.

For an additional cost we can:

- Add a second, redundant, 16A power feed and PDU (12 or 20 port)
- Provide additional 12 port PDUs to daisy chain off the primary PDU
- Increase the fuse in the breaker to provide 32A of power
- Add a second, redundant, 32A power feed and PDU (12 or 20 port)

Contact your account manager for more information.

The power feed to the rack is backed up by our generators and UPS. For 100% power redundancy, you must have a second PDU from a second power feed.

## Accessories

You need to bring:

- Sufficient IEC power cables
- Rack mount kits or trays for servers
- Cage nuts and bolts (we have some spare on site if necessary)
- Patch cables / crossover cables (we will only provide patch cables for the connection into our core network only)

We have a VGA monitor, USB keyboard and USB mouse available if needed.

We have a sack trolley and flat trolley for transporting servers more easily.

## General Data Centre Visitor Rules

- Your visitor pass must be worn and visible at all times.
- Do not lend your pass or access card to other people.
- Do not prop open doors or let other people “tailgate” you into the data centre.
- Present your photo ID at reception upon arrival to obtain your visitor pass and always sign in on the visitor log.
- Always sign out of the building upon leaving.
- Customers are responsible for the removal of all packaging that comes with their equipment.
- All rack mounted equipment must be bar-coded and entered on the Node4 asset management system.
- Customers must not interfere in any way with other customer’s racks, cabling, power or equipment.
- Food and drink are not allowed in the data centre.