

## 7 tips for keeping a data cabinet tidy

<https://www.connexis.co.uk/news-and-blog/7-tips-for-keeping-data-cabinet-tidy>



You see a hub with 48 ports



A router generates a maximum of 254 ip addresses.  
With 5 x 48 ports hubs and 6 on the router ( 1 Wan in and 6 Lan out )  
is that together 246  
You lose 1 port for each hub.  
You can connect each hub to an outgoing port of the router.  
Then you have  $5 \times 47 + 1$  left on the router  
Total 236.

Or you can connect them together with short cables.  
The shortest standard cable you can order is 15 cm.  
Then 1 cable goes from the router to the 1st hub.  
Remains 5 on the router.  
From the 1st hub you will lose 2.  
1 port for the cable to the router and 1 cable to the 2nd hub.  
From the 2nd to the 3rd etc.

Eventually you will lose 2 ports per hub and 1 port from the router.  
Remains 4 hubs x 46  
The 5th hub 47  
And 5 on the router,  
Total also 236.  
Short cables from hub to hub looks much better.  
It should not look like spaghetti.



Boss it's ready.  
Yeah, nice

[Examples patch cabinets](#)