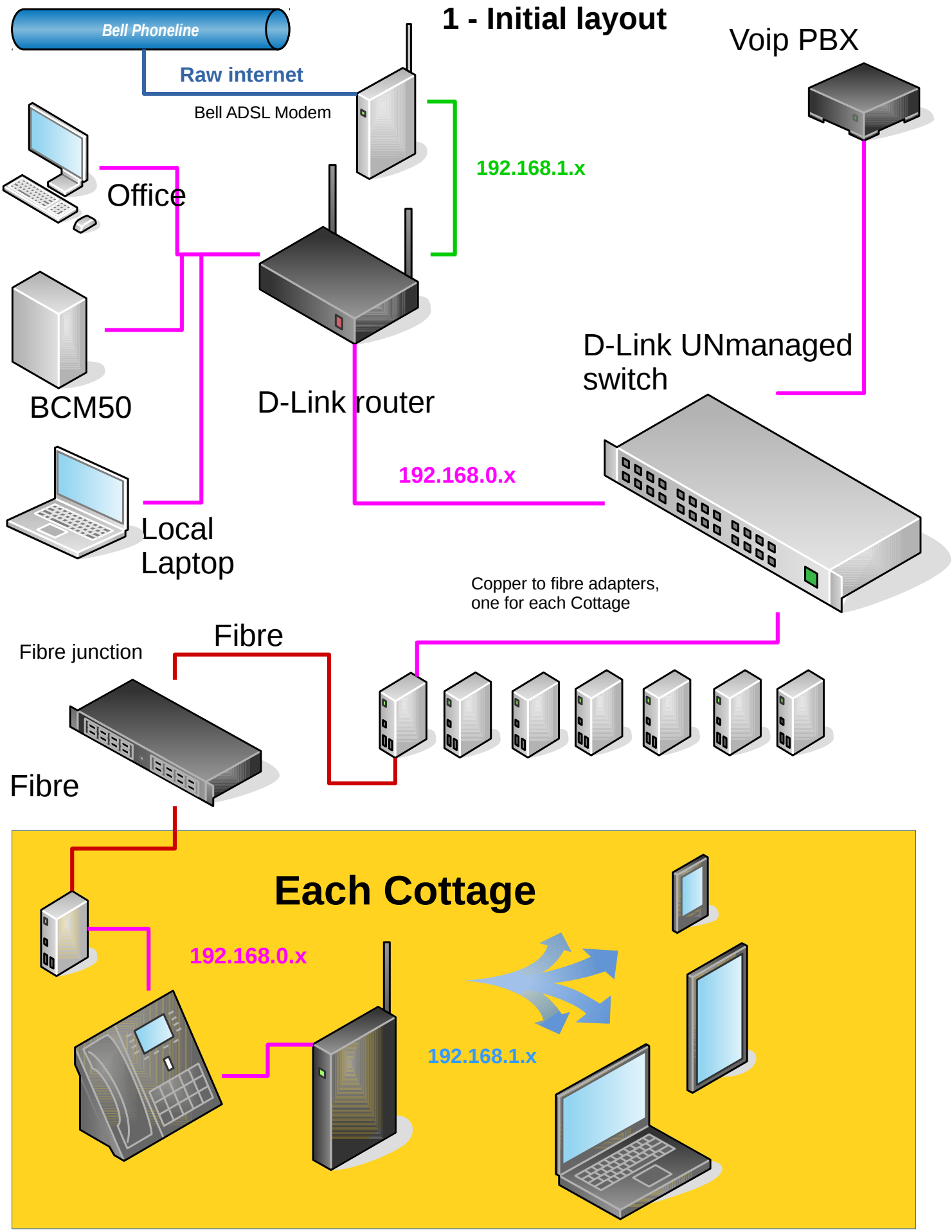
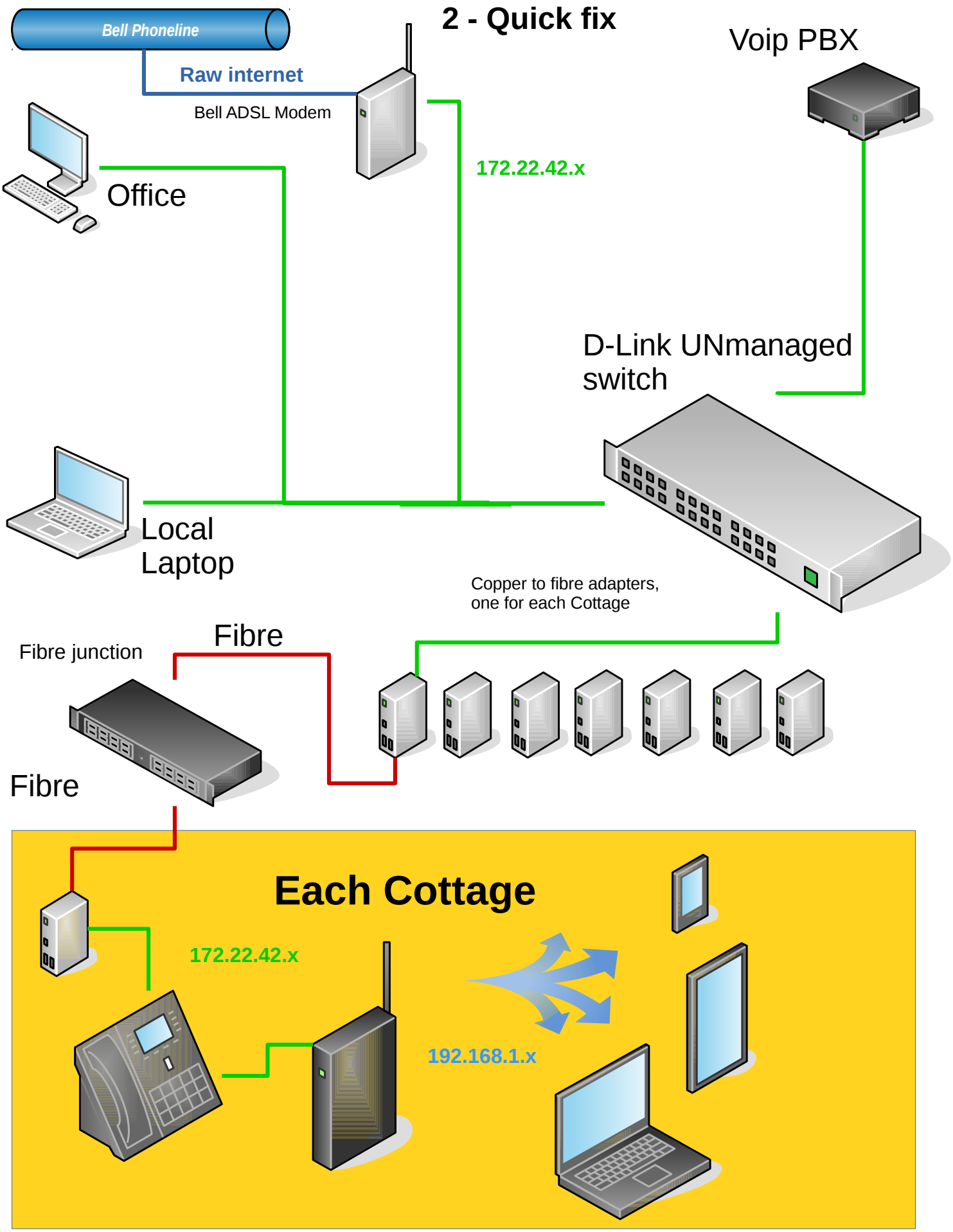
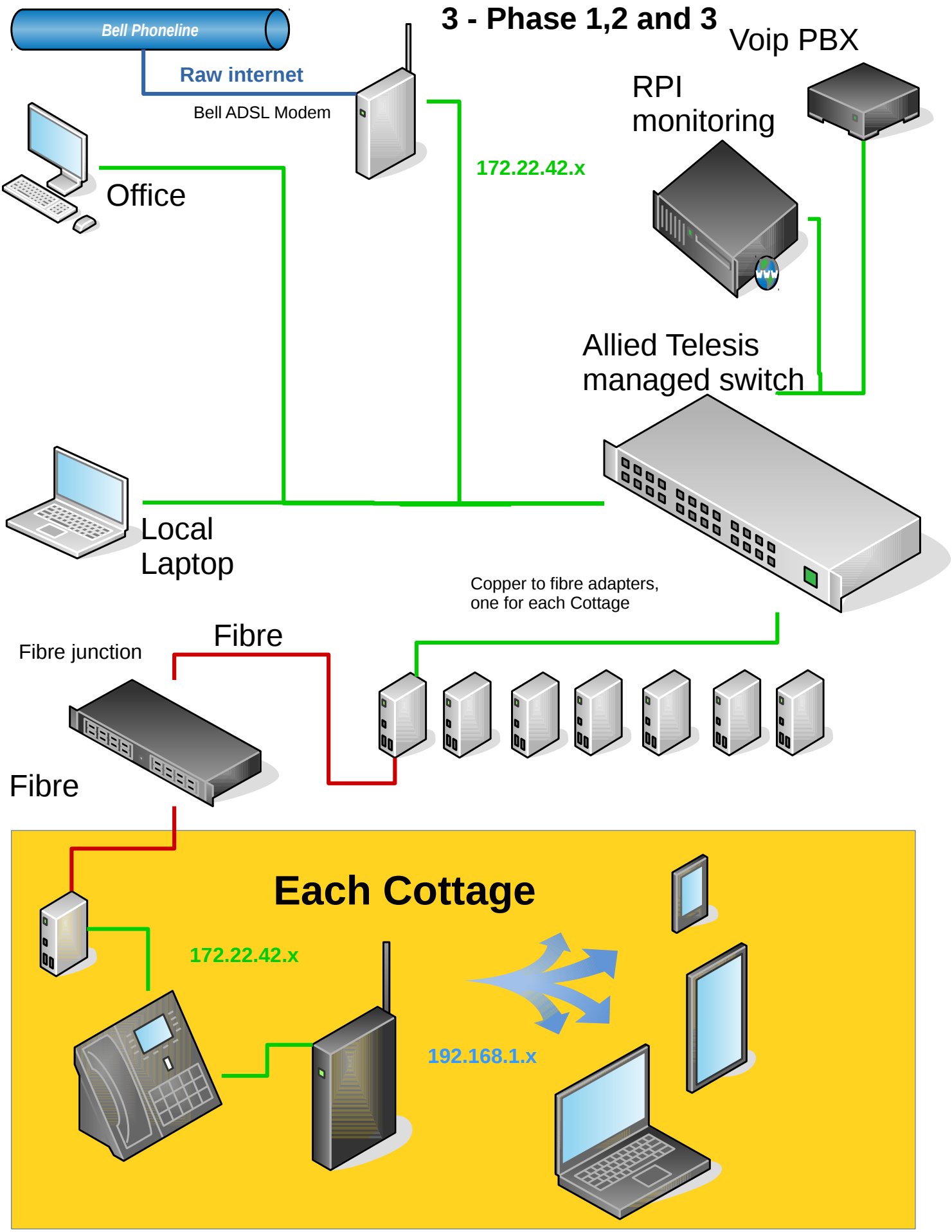
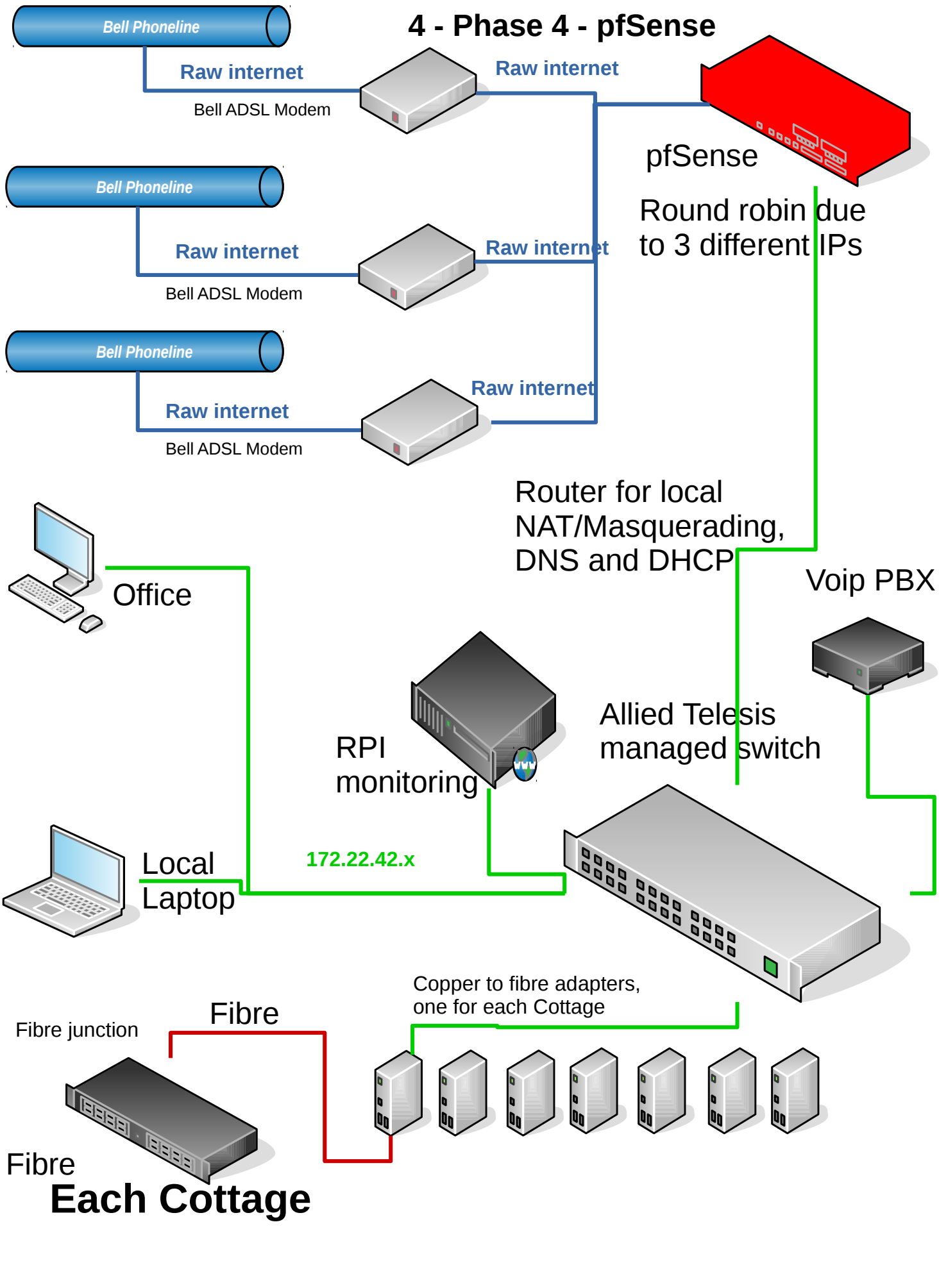
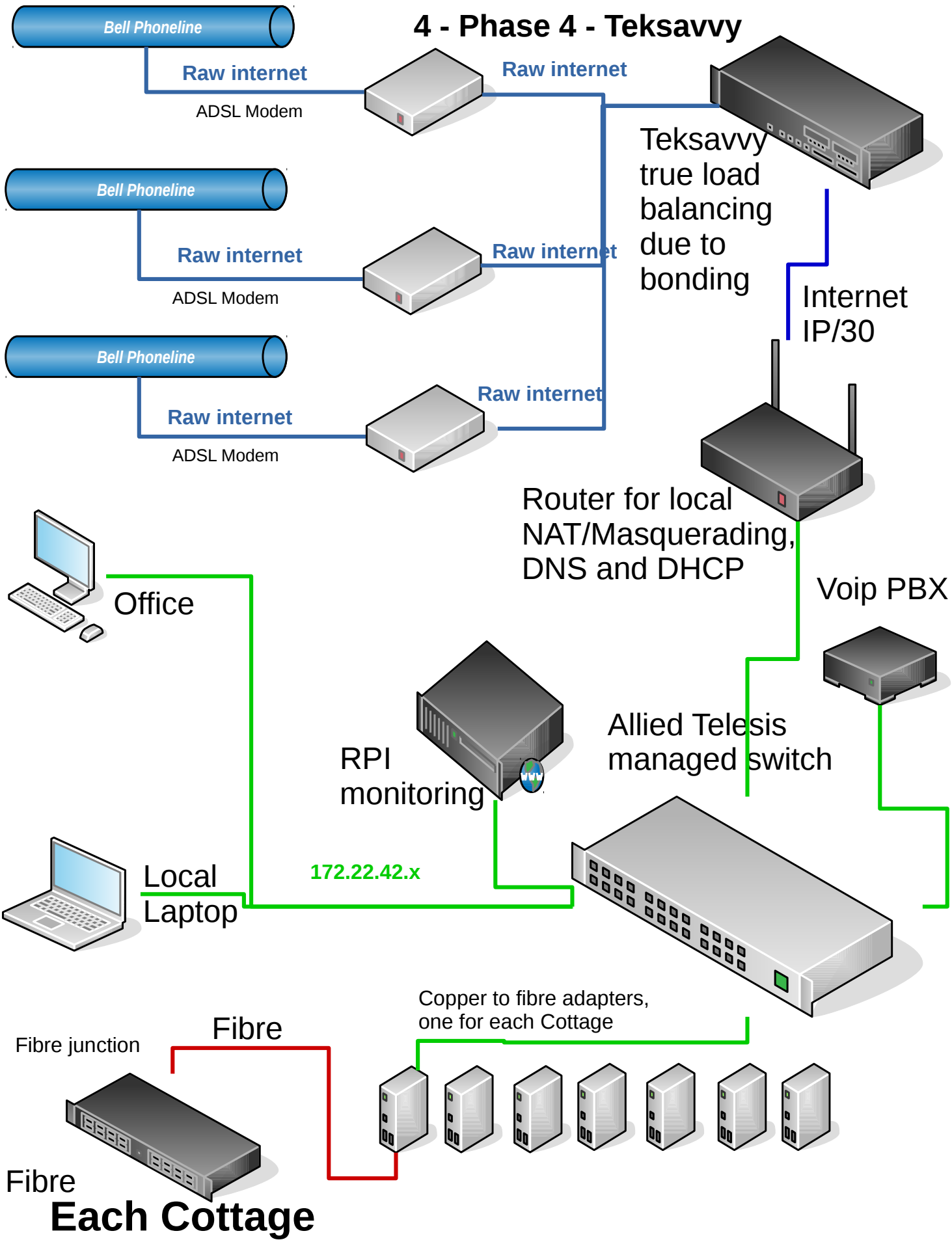

1 - Initial layout
Bell Phoneline
Raw internet
Bell ADSL Modem
Voip PBX
192.168.1.x
Office
BCM50
D-Link router
D-Link UNmanaged switch
192.168.0.x
Local Laptop
Copper to fibre adapters, one for each Cottage
Fibre junction
Fibre
Fibre
Each Cottage
192.168.0.x
192.168.1.x

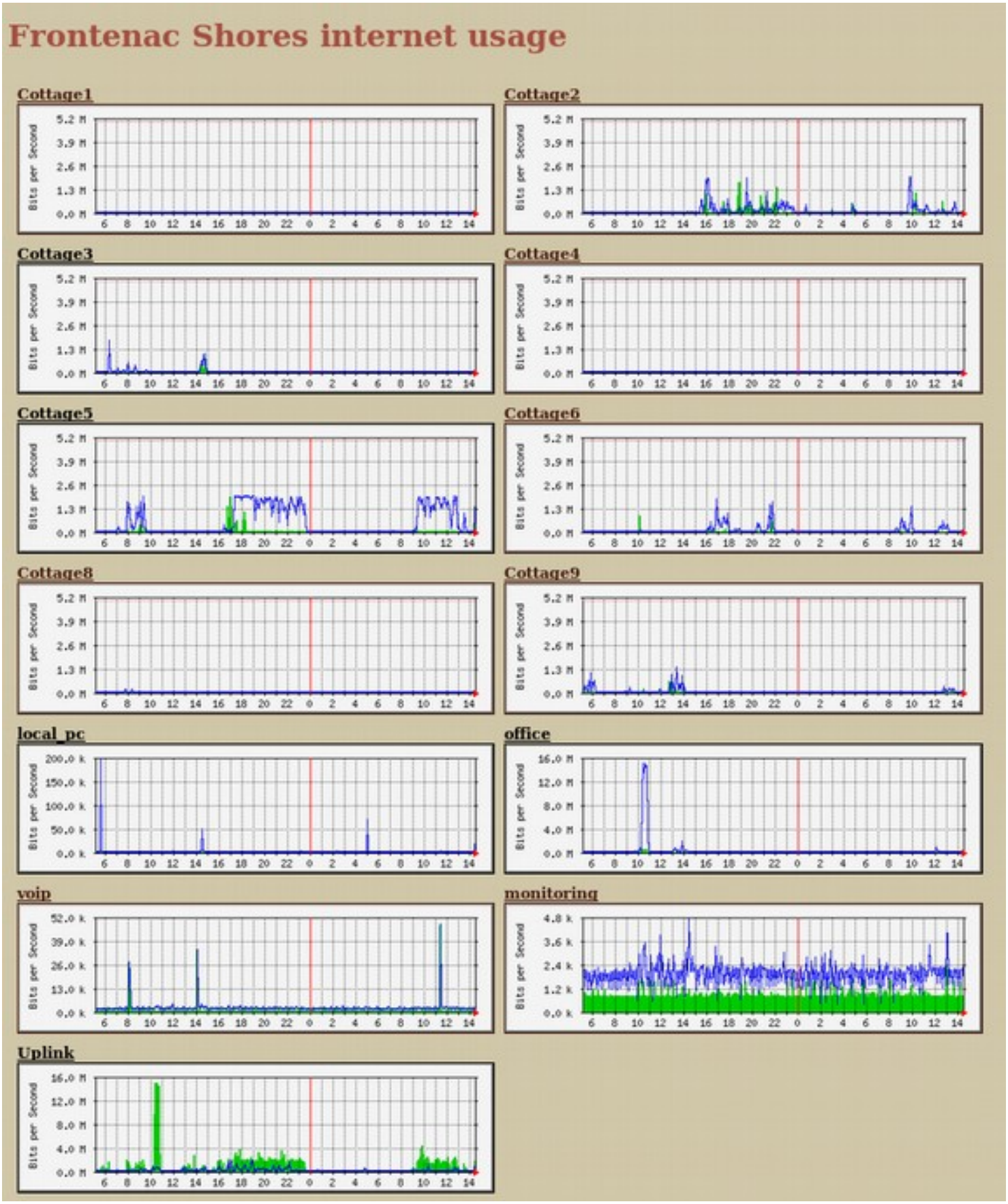

2 - Quick fix
Bell Phoneline
Raw internet
Bell ADSL Modem
Voip PBX
172.22.42.x
Office
D-Link UNmanaged switch
Local Laptop
Copper to fibre adapters, one for each Cottage
Fibre junction
Fibre
Fibre
Each Cottage
172.22.42.x
192.168.1.x


3 - Phase 1,2 and 3
Bell Phoneline
Raw internet
Bell ADSL Modem
Voip PBX
RPI
monitoring
172.22.42.x
Office
Allied Telesis
managed switch
Local
Laptop
Copper to fibre adapters,
one for each Cottage
Fibre junction
Fibre
Fibre
Each Cottage
172.22.42.x
192.168.1.x


4 - Phase 4 - pfSense
Bell Phoneline
Raw internet
Bell ADSL Modem
Raw internet
pfSense
Bell Phoneline
Raw internet
Bell ADSL Modem
Raw internet
Round robin due to 3 different IPs
Bell Phoneline
Raw internet
Bell ADSL Modem
Raw internet
Router for local NAT/Masquerading, DNS and DHCP
Office
Voip PBX
RPI monitoring
Allied Telesis managed switch
Local Laptop
172.22.42.x
Copper to fibre adapters, one for each Cottage
Fibre junction
Fibre
Fibre
Each Cottage


4 - Phase 4 - Teksavvy
Bell Phoneline
Raw internet
ADSL Modem
Raw internet
Bell Phoneline
Raw internet
ADSL Modem
Raw internet
Bell Phoneline
Raw internet
ADSL Modem
Raw internet
Teksavvy true load balancing due to bonding
Internet IP/30
Router for local NAT/Masquerading, DNS and DHCP
Office
Voip PBX
RPI monitoring
Allied Telesis managed switch
Local Laptop
172.22.42.x
Copper to fibre adapters, one for each Cottage
Fibre junction
Fibre
Fibre
Each Cottage

Frontenac Shores internet usage



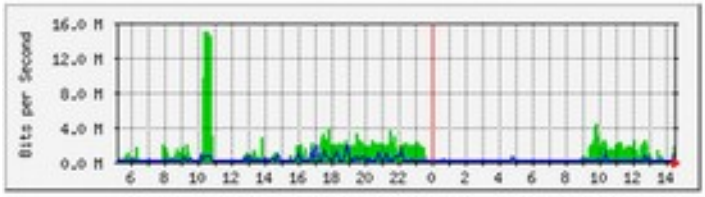
With help of this the internet usage can be seen clearly.

Uplink

System: atswitch in frontenac shores
Maintainer:
Description: Uplink
ifType: ethernetCsmacd (6)
ifName: port24
Max Speed: 100.0 Mbits/s
Ip: No Ip (No DNS name)

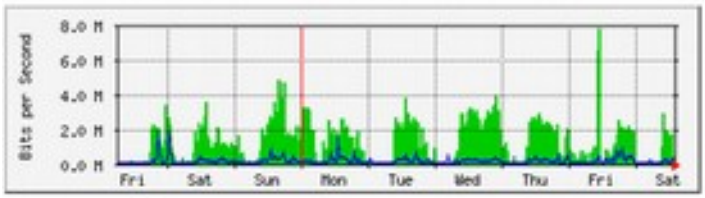
The statistics were last updated **Saturday, 13 January 2018 at 14:30**, at which time **'atswitch'** had been up for **163 days, 22:27:24**.

`Daily' Graph (5 Minute Average)



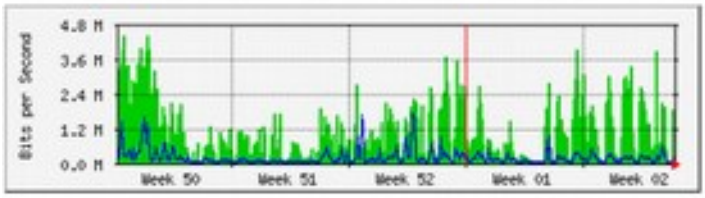
	Max	Average	Current
In	15.0 Mb/s (15.0%)	1004.6 kb/s (1.0%)	1865.8 kb/s (1.9%)
Out	1933.4 kb/s (1.9%)	157.6 kb/s (0.2%)	1440.3 kb/s (1.4%)

`Weekly' Graph (30 Minute Average)



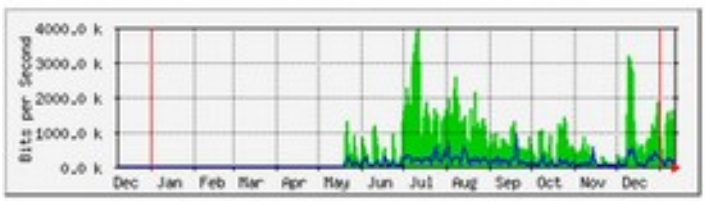
	Max	Average	Current
In	7813.1 kb/s (7.8%)	1230.4 kb/s (1.2%)	349.1 kb/s (0.3%)
Out	1871.7 kb/s (1.9%)	150.2 kb/s (0.2%)	38.7 kb/s (0.0%)

`Monthly' Graph (2 Hour Average)

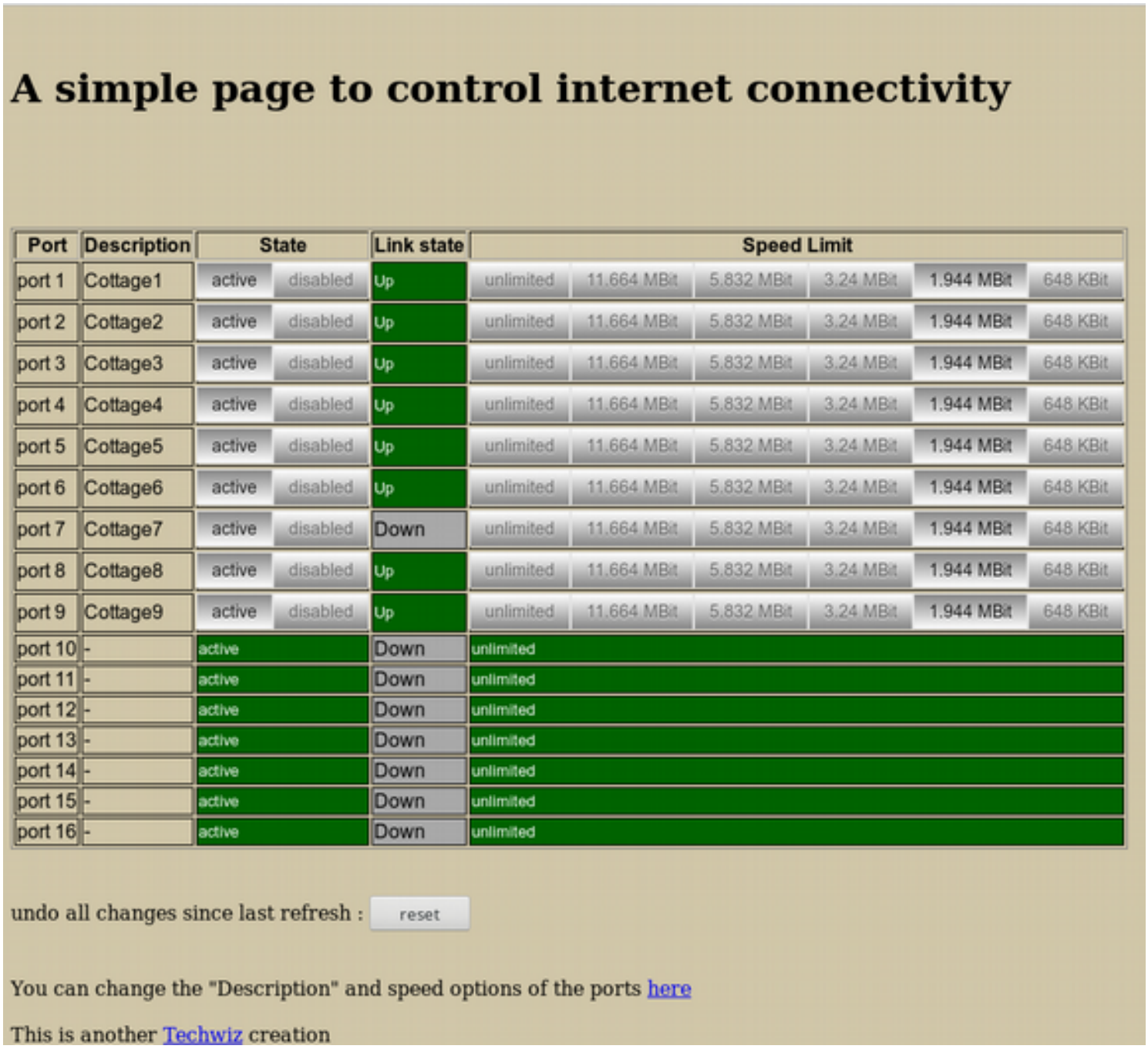


	Max	Average	Current
In	4408.4 kb/s (4.4%)	1065.3 kb/s (1.1%)	1677.6 kb/s (1.7%)
Out	1707.3 kb/s (1.7%)	180.1 kb/s (0.2%)	133.3 kb/s (0.1%)

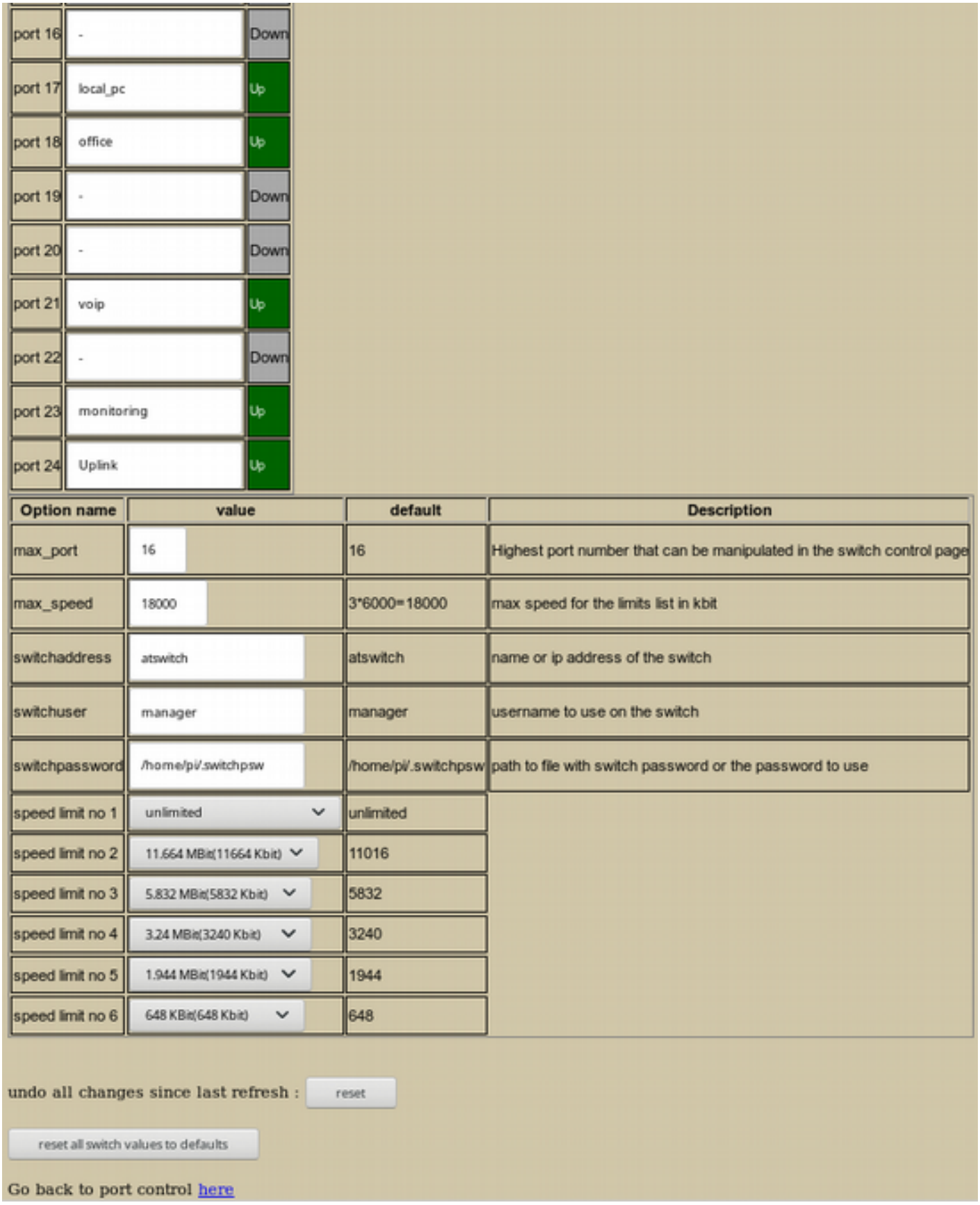
`Yearly' Graph (1 Day Average)



And for a little history you can click on any graph and see up to a year of past activity.



Control page to throttle any individual cottage.



Config page for the switch. Possible to change name of the ports and the speed limits available on the control page.