

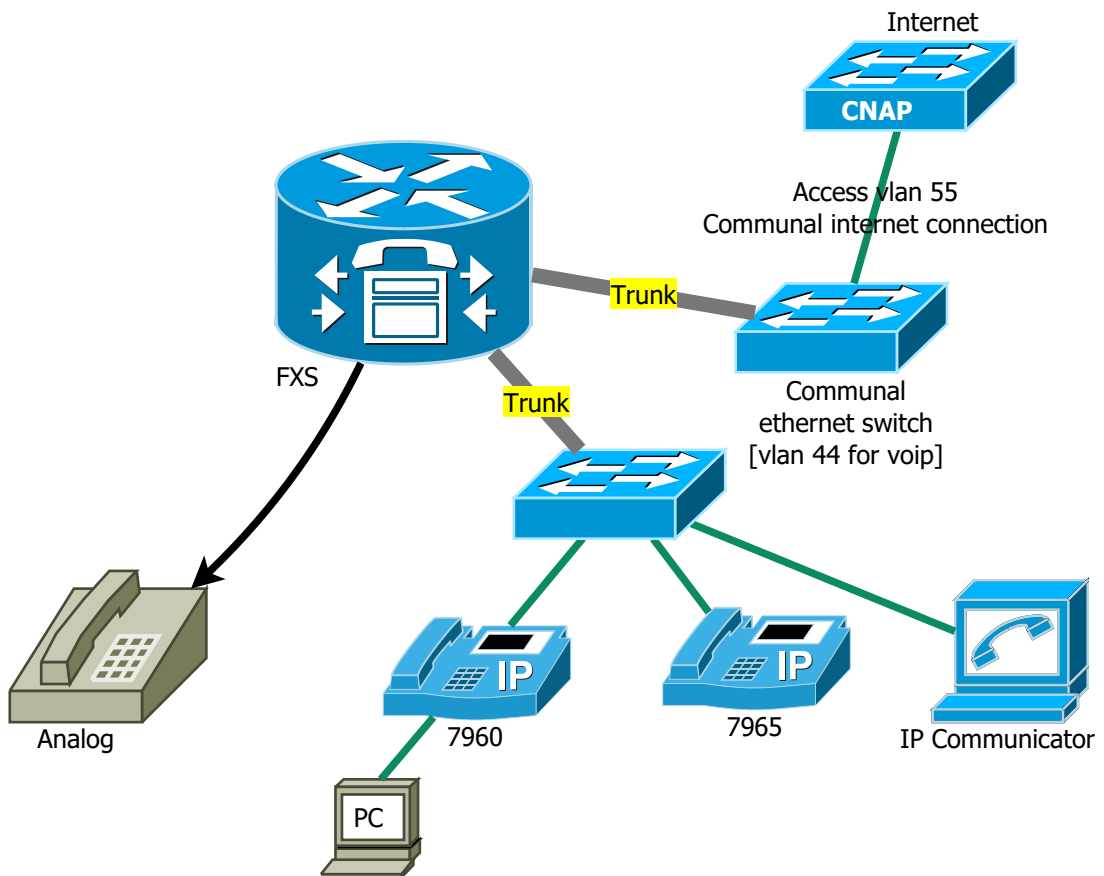
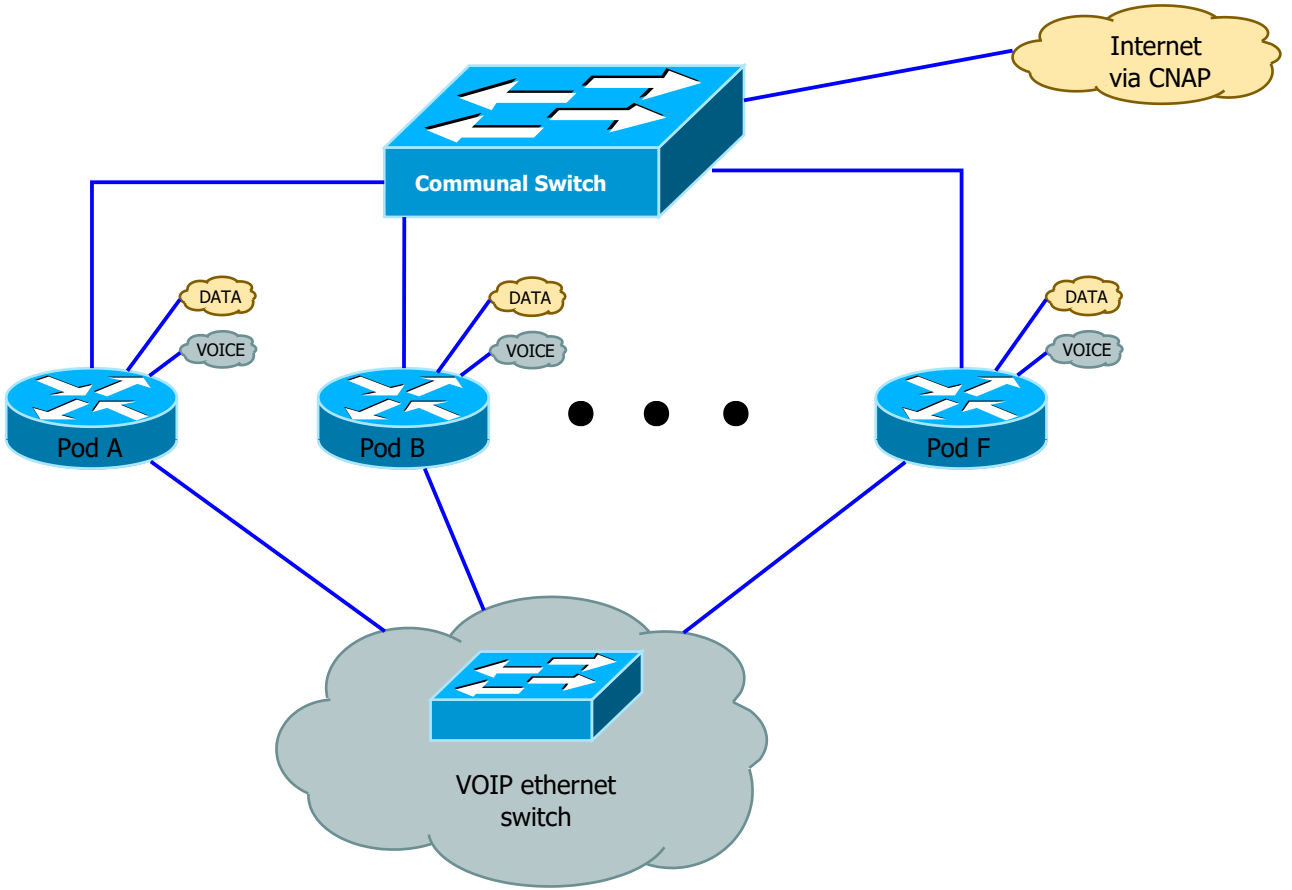


IP Telephony

SKILLS EXAM

Version 3, 2012
(c) Robert Andersson

Skrivtid: 90 Minuter



REQUIREMENTS

- O Proper phone boot process (DHCP server, TFTP etc)
- O Use "ip address dhcp" (dhcp client) for internet-connection on vlan 55
- O Start the NTP-client on the router
- O Follow the numberplan (other page) and give name and number to button 1 on the phones
- O Internally, you should use four digits for calling extensions (phones)
- O Externally you should use ten digit dialling
- O Configuration Professional (CCP) configuration shall work
- O Configure 'paging' on all IP Phones using number 8000
- O Give all IP-phones the number 8888 "Support" on button 2 (line 2)
It is OK if "Support" are only reachable within each town/switchboard

BONUS ASSIGNMENT

(not included in the skills-exam)

- O Add NAT/PAT to the router, so that the PC's can surf the internet

PHONE NUMBER PLAN

POD A, Munkedal, 192.168.23.19			
0525-18 3301	0525-18 3312	0525-18 3325	0525-18 3357
Staffan Almhede	Mona Karlsson	Karl Ehn	Ali Ahmed
POD B, Trollhättan, 192.168.23.20			
0520-22 3202	0520-22 3217	0520-22 3212	0520-22 3113
Robert Andersson	Christian Ohlsson	Stig Johansson	Bik Benjiro
POD C, Vänersborg, 192.168.23.21			
0521-27 1112	0521-27 1180	0521-27 1107	0521-27 1144
Thomas Friden	Guy Mahlviker	Ewy Gahnstrom	Cecilia Cetacz
POD D, Uddevalla, 192.168.23.22			
0522-69 7319	0522-69 7351	0522-69 7374	0522-69 7303
Roger Stenstrom	Lise-Lotte Boldt	Monica Pettersson	Dagny Dahl
POD E, Lysekil, 192.168.23.23			
0523-61 3700	0523-61 3703	0523-61 3711	0523-61 3733
Maria Vikingsson	Alberto Roncero	Andreas Andersson	Eva Eriksdottir
POD F, Mellerud, 192.168.23.24			
0530-18 8196	0530-18 8182	0530-18 8181	0530-18 8109
Jonas Andersson	Christer Hermansson	Lars-Ake Joelsson	Fairoza Fikri



ANALOG



cisco 7960



cisco 7965



IP Communicator

IP NUMBER PLAN

Pod	Town	External VOIP IP	Internal IP NETWORKS
====	=====	=====	=====
A	Munkedal	192.168.23.19/24	10.1.x.0/24
B	Trollhättan	192.168.23.20/24	10.2.x.0/24
C	Vänersborg	192.168.23.21/24	10.3.x.0/24
D	Uddevalla	192.168.23.22/24	10.4.x.0/24
E	Lysekil	192.168.23.23/24	10.5.x.0/24
F	Mellerud	192.168.23.24/24	10.6.x.0/24

