

S-38.3192

Exercise Session:
Introduction

25.1.2008

Motivation

”Now it is time to apply the skills you have learned in practice”

The purpose of this exercise is to learn problem solving.

There will be a question concerning the exercise in the exam.

Exercise personnel

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Exercises

- Exercises are done in groups of X persons
- In the beginning of every exercise session a short intro to the topic will be given. After the intro you can start doing the exercise
- The purpose of the exercise sessions is not to complete the whole exercise, just to get it started
- Exercise should be returned before the following exercise session by email -> you usually have one week to do it
- Exercise sessions are held in Maari-A
- Participating in the exercise sessions is not compulsory

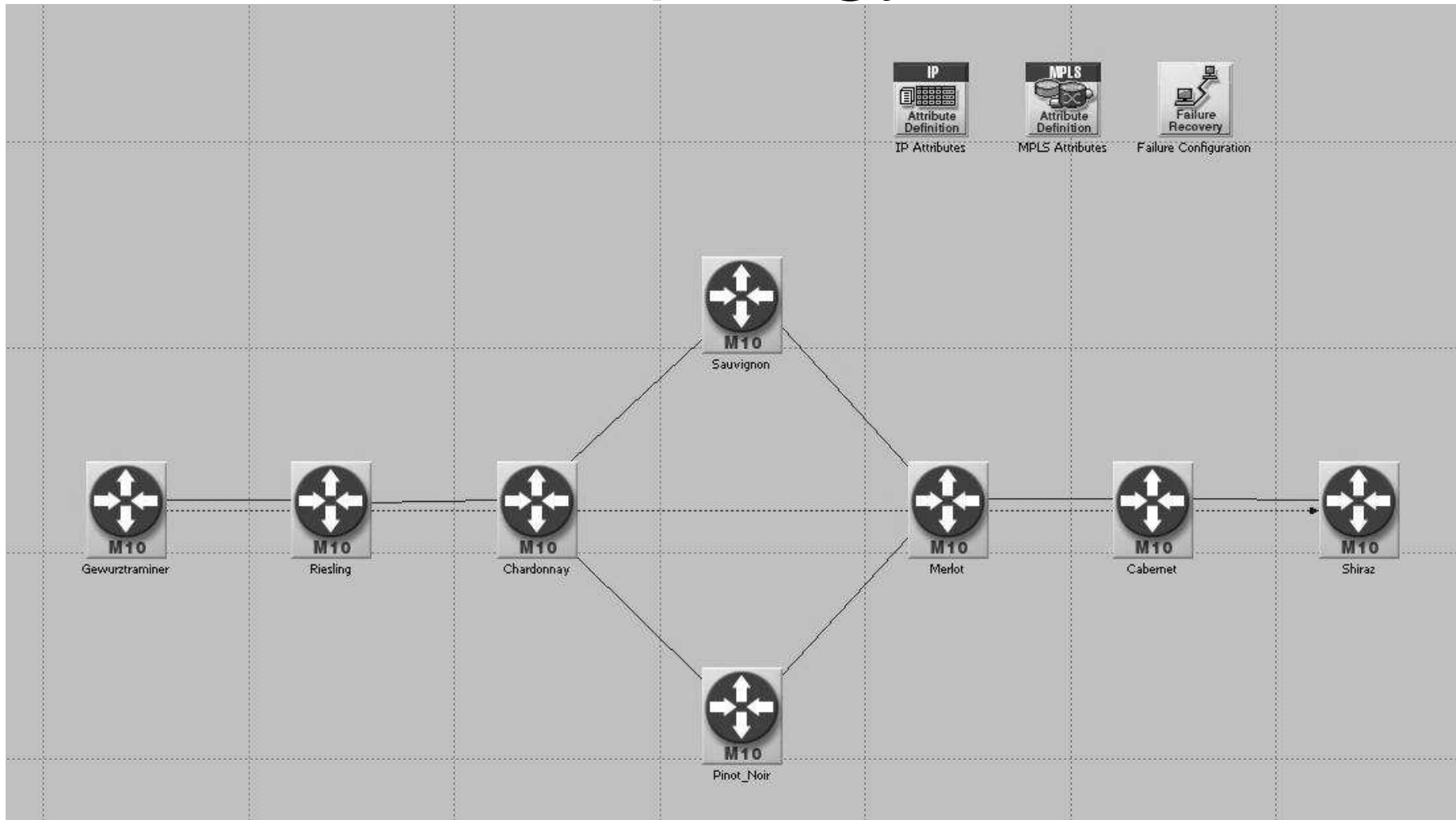
Tools

- ITGuru
 - Network planning and simulation program
 - Can be used in Maari-A
 - More information coming in the second part of the lecture

Exercise this year

- A real life example of implementing a network based on a given plan
- The plan includes
 - network topology
 - IP addresses
 - protocols
- Your task is to make the network working and solve the problems you may encounter

Topology



Parts

- Exercise split in 4 parts
- Each part of the exercise has to be returned and passed separately
- If some part of the exercise has been returned late or has not been passed, the exercise (and the course) cannot be completed

Exercises

- Preliminary exercises
 - Some exercises may have preliminary tasks...
 - For example router configuration etc.
 - These have to be returned before the next exercise
 - Take them with you for the next exercise session

Timetable

Fri	25.1.	12 – 14	ITGuru Tutorial / Intro
Fri	1.2.	12 – 14	IS-IS
Fri	8.2.	12 – 14	MPLS/LDP
Fri	15.2.	12 – 14	BGP VPN
Fri	22.2.	12 – 14	BGP VPN 2
Fri	29.2.	12 – 14	Network Failures
Fri	5.3.		DL of the Network Failures report
Week 10 – 12			Oral Part of Exercise

When Returning Exercises

- Be sure what you have to return
 - Always check the instructions first!
- All documents have to be returned as PDF files (Word documents etc. are NOT accepted)

Oral Part of the Exercise

- About 20 – 30 minutes / group
- Some questions concerning the exercises are presented

Exercise grading

- Each part of the exercise has to be returned and passed separately. If some part of the exercise has been returned late or has not been passed, the exercise (and the course) cannot be completed.
- The weight of the exercise is 20% of the total grade of the course.
- Grading principles:
 - The network operates as required in the instructions
 - The quality of the answers you give in the oral part
 - The less help you need from the course staff, the better grade you will get (and vice versa)

Feedback

- Feedback is very important for the course staff
- There will be a couple of questions about every exercise part
- The questions are presented on the intro slides
- Answer the questions personally and return them
 - compulsory part of the course
 - DLs on fridays at 23:59
 - more instructions on the intro slides
- Feedback does not affect grading!

Enrolment on the Exercise

- Send email to Juha Järvinen before the next exercise session (Thu 1.2.2008)
 - Email should contain
 - Names of the group members
 - Student IDs
- We mail you your "group number", which you should use when returning exercise parts

Problems with the exercise?

1. Think once again! Try to find new sources of information. Do not forget ITGuru helps and manuals.
2. Ask other students
3. Ask in the newsgroup
 - `opinnot.sahko.s-38.tietoverkkotekniikka`
 - Use topic: "S-38.3192 ..."
 - NOTE: Assistants will answer only general questions, not questions like "which routers have to be configured EBGP peers"
4. Email the assistants

So...

- Form a group of 2 persons, inform of it to Juha Järvinen
- Do exercises – return them in time and return what is asked
- Remember the feedback
- The oral part of the exercises will be on weeks 10 – 12