

IT Technology
Project Plan for Week 45
2017.11.06



Lillebaelt Academy of
Professional Higher Education

Authors:

Milan Kristof Vince: mila1025@edu.eal.dk

Mikkel Juul Johansen: mikk7249@edu.eal.dk

Table of Contents

Background.....	1
Purpose.....	1
Goals.....	1
Organization	1
Budget	1
Risk	2
Perspectives.....	2
Stakeholders.....	2
Evaluation and communication.....	3
References.....	3

Background

At Week 45 Lillebaelt Academy University of Applied Science will host Fontys for a week. During this period their and our students will be working on a common network with dynamic routing, based on OSPF routing protocol. The 3rd semester students will make the project.

Purpose

The purpose of the project is to create a network that consist of eight physical Juniper SRX routers that will constitute on Area 0 as a backbone network. Other hand the purpose is to gain knowledge in one week project 3rd sem can improve project manager skills, while Fontys and 1st sem can improve their technical skills of Juniper devices, administration procedures and networking skills.

Goals

The team sets the following goals:

- * Create a project plan (Semester 3)
- * Create Five learning goals (Semester 3)
- * Describe the working processes in a managed team when working according to SMART tasks (Semester 3)
- * Configure Juniper SRX routers to run OSPF. (Semester 1)
- * Configure Juniper SRX routers to act as a DHCP server. (Semester 1)
- * Set up a test environment in VMware workstation including routers and user PC's. (Semester 1)
- * Optionally set up Port Forwarding, DMZ and Web Server. (Semester 1)
- * Present technical material.E.g. to the Project Manager. (Semester 1)
- * Create an HLD (Semester 1)
- * Create an LLD (Semester 1)
- * Implementation (Semester 1)
- * Testing (Semester 1)
- * Documentation (All)
- * Meetings with other teams (All)

Organization

The project is worked on by different teams formed as

- 3rd Semester students as Project Managers.
- 1st Semester and Fontys students.
- And the lecturing team as project owners.

Budget

A budget is not relevant for the scope of this project.

Risk

Time: This project has a deadline and we have approximately 5 days overall. Each team must work productively.

Skills: The 1st Semester team has not worked with the OSPF routing protocol before and might run into problems. It is important for the team to know what the outcome of their application will look like so they can work toward it. As Project Manager can help them to improve their “PM” skills. explain and assist in order to help the team complete this project successfully.

Communication: This project is dependent on all the teams participating in this project. Having miscommunication might have a negative impact on the overall goal.

Perspectives

We are going to have a brief introduction, since the group members haven't meet yet. Afterwards we will heading into the technical stuff, short introduction to our project plan and assign tasks for the groups.

We are going to define tasks on Discord invite team-mate students and keep on update them.

The group will be split in two working groups, since the end result has two laptops with individual systems. The project managers will remain outside these groups, and work as consultants for them. There will be daily meetings to ensure, that there won't be conflicting IP ranges, and problems the likes. Furthermore we have 2 meeting first at the beginning of the day where we discuss the tasks, second at the end, where we make short summary about the goals we could achieve, what could we improve, team communication and working process.

Stakeholders

The Fontys and 1 sem. EAL students are stakeholders in the project, since they will apply and gain technical knowledge, the 3 sem. EAL students are stakeholders, since they will put their knowledge of project management to the test, and will be evaluated. The teachers/lectures are stakeholders because they have hosted this project and will have wasted time/resources if the project is a failure.

Stakeholders	Technical work	Project management	Reputation
Fontys/1 term students	new knowledge	evaluating	Displaying technical ability
Project managers	Consulting	Applying knowledge	Displaying project managing and consulting ability
Teachers/lectures	Consulting/lecturing	assistance	Does the project make sense

Evaluation and communication

We use the following to communicate:

- Daily meetings at EAL.
- Discord.
- Meistertask.

References

“Fontys Project Requirements Document” v1.0

“17A Fontys LILLEBAELT international week 45 PDA” V05