

2008

# Weekly Project Status Report (week-14)

*Team 5: High Definition Valley (HDV)*

(From 1st December to 5th December 2008)

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## Report purpose

This report is the progress of the week 14, *from 1<sup>st</sup> December to 5<sup>th</sup> December, 2008*

## 1. Week description

On Monday we had our first managers meeting with Björn in a month. It was a nice experience to let our main stakeholder know what we have done and our main obstacles left to cross. Bernt Sundström joined and let us know that we now have access to an OTDR so that we can test the fiber between the different nodes. We did this and now know that the link between Kista and Valhalla works. On Wednesday we had our first meeting with the stakeholders at KI and also met Alkit the first time in person. At KI we discussed all aspects of the project from the practical solution we were providing to equipment that should be used. At this meeting we came to the conclusion that KTH should buy the first video equipment set-up for testing and KI should buy their bifrost routers to that a point-to-point solution between Kista and Solna could be the initial showcase set-up. It was the HDV teams responsibility to put together the ordering documents and contact vendors. The rest of the week was spent making these documents and focusing on documenting our earlier work as much as possible. On Friday time was spent with Bernt Sundström making a guide for testing fiber equipment. The guide is meant for backstopping teams and anyone else interested in doing fiber testing on the cheap.

## 2. Week according to Work Breakdown Structure (WBS)

This section is meant to categorize the work from the past week to see where we are putting our work and in what volumes. These are the main work areas, some work not mentioned here is organizational and team building etc..

- Hardware ordering – Time spent: 10h
- Preparing and sending out invitations for tenders to different suppliers for the video equipment.
- Information gathering – Time spent: 40h
- Met with stakeholders from KI, Alkit and HDVIPER to discuss the project.

- Deliverable: Project plan – Time spent: 4h
- Deliverable: Press release – Time spent: 4h
- Deliverable: Final report – Time spent: 6h
- Deliverable: Fiber testing guide – Time spent: 5h
- Multi-point conference – Time spent: 40h
- Experimenting on having SIP server and reflector on same machine. Then installing dedicated SIP server and testing whole set-up
- Deliverable: Presentational video - 40h

### 3. Deliverables of the week

This section summarizes the deliverables of the week, noting if they have a deadline they have and if the deadline was met.

- Invitation for tenders – Video procurement [100%]
- Project plan 2.0 [100%]
- Fiber testing guide [100%]
- openSIPS and MySQL installation guide [100%]
- i2Cat Reflector Evaluation and sent to i2Cat [100%]
- Press release [80%]
- Presentational video [20%]

#### **4. Successes stories**

- After meeting with KI we are sure our work will be useful for them in their telemedicine research
- Invitations have been sent to vendors for video equipment
- Litech have been successful in negotiating a deal with HotLava Systems to deliver the network cards we want. As such Litech's tender is a complete one.

#### **5. Challenges & Risks**

- Have only received on tender for network hardware. Atea have responded and we are awaiting their tender. Portal have been unresponsive.
- Time to implement network is going to be short

#### **6. Decision Taken**

- SIP server and reflector will be run on separate machines.

#### **7. Activities for the coming week**

This section shows what will be the achievable deliverables for the coming week

- Monday: Managers meeting
- Tuesday: Press release workshop with Ulla Skidén
- Work on Presentational video
- Writing Final report
- Order network hardware as soon as we get tender from Atea
- Order video hardware as soon as we get tenders from vendors

Name: Abdullah Al Hasib					Week: 14	Total Credits: 15	
Planned Objectives for Week	Days	Activities/Tasks	Agenda	Type	Spent Hours	Deliverables/Output	Issues / Comments
Meeting with coach	Monday	Meeting with Coach	Preparing the weekly plan	Team	1		
Meeting with KI		Preparing the multipoint video conferencing document	Preparing the document for video conferencing	Individual	3	Video conferencing setup document (version 1.0)	
Setting the test bed and testing the video conferencing		Debugging the SIP installation	Installing the SIP for Test bed	Group(Xiao, Abdullah)	3	Successfully installed	
		Installaing MCU for test bed	Installing MCU for the test bed	Individual	3	Successfully installed	
	Tuesday	Integration and Testing the multipoint video in the testbed	Testing the video conferencing in test bed	Team	4	Successful	
		Preparing the multipoint video conferencing document	Preparing the document for video conferencing	Individual	2	Video conferencing setup document (version 1.0)	
	Wednesday	Visit to KI	Meeting with the stakeholders and discusssion about the project requirements and progress	Team	8		
	Thursday	Group Discussion: Discussion about the document and video preparation	Group Discussion: Discussion about the document and video preparation	Team	1		
		Checking the MCU codes	Debugging: Checking the codes for finding the cause of mcu crash	Individual	7		Not caused by the mcu codes, probably due to the minisip libraries
	Friday	Checking the minisip libraries	Debugging: Checking the codes for finding the cause of mcu crash	Individual	8		When the mcu fail to receive any response form a client, it generates a transport_error command which causes the mcu to crush. Trying to modify the libray, recompile and testing it again.
	Saturday						
	Sunday						
		Total hours in this week			40		
		Total hours in the project			455		

Name: Anders Orrevad					Week: 14	Total Credits: 30	
Planned Objectives for Week	Days	Activities/Tasks	Agenda	Type	Spent Hours	Deliverables/Output	Issues / Comments
	Monday	Coach meeting	Weekly update and input from coach	Organizational	1	KI meeting on Wednesday. Finish the Project plan v.2.0 until the managers meeting.	
		Project plan 2.0	To have the project plan signed by team members, principal and coach	Organizational	3	Finished v.2.0	
		Project managers meeting	First meeting in a month. Give update to Björn on status of project	Organizational	1.5	Bernt was given an OTDR so the links can be tested. Prepare for the KI meeting so that we can agree on hardware.	
		Press release and emailing with Alkit and hardware vendors	Press release for workshop with Ulla. Talking to Litech about our order and what should be included.	Deliverable: Press release - Hardware ordering	4	Finished press release	
	Tuesday	Tried SIP server and reflector on same machine	To limit the number of machines that had to be included in our setup	Network design	4	We see that there should be a solution possible, but dont have the time to put into it.	Descision: Have SIP server and reflector on seperate machines
		Got machine from coach to run dedicated SIP server on	To run SIP server on as the reflector and SIP could not be run on same machine	Software configuration	1	Finshed	
		Making multi-point conference demonstration setup	To make a showcase of our work	Deliverable: Demonstration	3	Working demonstration setup	
	Wednesday	Meeting with KI and other stakeholders	We were shown the use case of our solution. Deciding on what hardware to order. Deciding what software to use.	Information gathering - Deciding on hardware	8	Finalized what hardware, software to use. Decided who is ordering. We know how the solution is to be used.	at first it seemed we had worked on the wrong things. But after lunch we returned to our main objective. Point-to-point Kista - Solna.
	Thursday	Talking about testing report with Robert Olsson	We are to make a Testing guide how to test the network parts we order to see that they live up to their specified capacity etc.	Testing the network	1	Skeleton for Testing report	
		Final report	The Final report of the project is due on the 4th of January.	Deliverable: Final report	2	Skeleton for Final report	
		Video hardware ordering document	After the meeting at KI the hardware to be used in the KTH testing setup is descided.	Hardware ordering	3	Finished ordering document	Sent to Alkit for final conformation. Sent to vendors on Friday.
		Talking to Alkit about hardware	reaching an agreement on the hardware to be ordered for KTH test setup.	Hardware ordering	2	Agreed	
	Friday	Testing report for fiber	So that possible backstoppers or anyone else with an interest can do testing on fiber equipment.	Fiber testing report	4	Finished and sent to Bernt Sundström, Robert Olsson, Björn Pehrson and put on project homepage.	
		Final report		Deliverable: Final report	4	Identifying methods, resources, approaches used in project.	
		Total hours in this week			41.5		
		Total hours in the project			560		



Name: Ishrat Ali Awan					Week: 14		Total Credits: 30
Planned Objectives for Week	Days	Activities/Tasks	Agenda	Type	Spent Hours	Deliverables/Output	Issues / Comments
Meeting with coach	Monday	Meeting with Coach	To plan the tasks for this week	Team	1	Complete weekly plan	
Fiber testing		Implementing Negios for Window Clients	Installing Negios for Server and on windows Clinte	team(ishrat, Ubaid)	4	successfully configured the	
Testing ful point to pont scenrio		Fiber Connecton testing with Voravit and Bjorn	testing from Sever room 8th Floor	team(ishrat, Ubaid)	1	There was some problem in connection results were not matching	
Metting with KI & Alkit		Implementing Negios for Linux Client	mointoring the Linux machines	team(ishrat, Ubaid)	4	there was some erros coming in configuration	
Final video		Fiber testing from 4 th Floor Room to Server Room 8th floor	OTDR Testing	team(ishrat, Ubaid)	1	the wrong ports were Patched so there was a problem	
	Tuesday	Fiber testing from Kista Stokab Room to VV	OTDR Testing	team(ishrat, Ubaid)	4	success and changes to right ports	
		Bulding Test bed for the Testing full Senerio	Configuring Bifrost	team	6	there were some routing issues coming but at last we resolved	
	Wednesday	Meeting with KI & Alkit	Introduction to KI and Alkit and detail discussion on the Project	team	8		
	Thursday	Video Coference test	Ful test bed Scenrio using Bifrost routers	team	4	successfully configured	
		Final video	Final video for the Project	team	4	disscuss the different types of ideas for final video	
	Friday	Final video	making script	team(ishrat, Ubaid, xio)	8	made a rough script and its execution for the video	
	Saturday						
Total hours in this week					45		
Total hours in the project					521		

Name: Ubaid ur Rehman					Week: 14	Total Credits: 30	
Planned Objectives for Week	Days	Activities/Tasks	Agenda	Type	Spent Hours	Deliverables/Output	Issues / Comments
Meeting with coach	Monday	Meeting with coach	To plan the tasks for this week and discuss different issues and problems	Team	1	Complete weekly plan	
Configuring Nagios on Windows and Linux client		Running Nagios on window client	To monitor a windows client machine	Group (Ubaid, Ishrat)	4	Successfully configued the client and monitoring it	
Fiber testing		Fiber testing with Bjorn and Voravit	To test the link connectivity from KTH Kista to KTH Valhallavagen	Group (Ubaid, Ishrat)	1	There was some problem in the patching of the cable	
Testing multipoint video conference		Running Nagios on Linux client	To monitor a llinux machine	Group (Ubaid, Ishrat)	4	Faced some errors during configuration	
Meeting with KI and Alkit	Tuesday	Fiber testing from patching room on 4th florr to Server room on 8th floor	To test the connectivity, measure the distance and find out the loss	Group (Ubaid, Ishrat)	1	The cable was patched on the wrong port	
Final Video		Fiber testing from Kista Stokab to KTH Valhallavagen	To test the connectivity, measure the distance and find out the loss	Group (Ubaid, Ishrat)	4	The ports were plugged properly and the testing were successfull	
		Testlab	To test the MCU,SIP and confero across different networks using bifrost routers	Team	6	There were some problems in configuring the OSPF routing protocols and also I didnt assign the gateway address to a client	The problem caused due to missconfiguration of OSPF and a client but we fixed these problems
	Wednesday	Meeting with KI and Alkit	To discuss the project progress and finalize the hardware.	Team	8	We discussed the project and agreed on the hardware to be ordered	
	Thursday	Testlab	To test the MCU,SIP and confero across different networks using bifrost routers	Team	4	Successfull testing	
		Project Video	To make our project video	Team	4	We discussed different ideas and suggestions about making the video	
	Friday	Final Video	To write the scripts for the final video	Group (Ubaid, Ishrat, Xiao)	8	We wrote a script and designed our final project video	
	Saturday						
	Sunday						
		Total hours in this week			45		
		Total hours in the project			568.5		

Name: Xiao Wu				Week: 14		Total Credits: 30	
Planned Objectives for Week	Days	Activities/Tasks	Agenda	Type	Spent Hours	Deliverables/Output	Issues / Comments
Meeting with coach	Monday	Meeting with coach	Discuss weekly plan and business report	Team	1		
Meeting with KI and Alkit		Install SIP server and MCU	Install OpenSIP and I2cat MCU in the same server machine for demonstration	Group(Abdullah, xiao)	6	Problem: MySQL installation is not correct and cause SIP server can't	Problem sovled
Testing							
Report							
	Tuesday	Video conference testing	Multi points video conference using demonstration server machine	Team	4	Problem: SIP server and MCU are in the same machine. Port conflict between SIP and MCU.	
		Install SIP server	Install OpenSIP again in another server machine	Individual	3		
		Video conference testing	Try to solve the problem about port conlict	Team	2	Success	
	Wednesday	Meeting with KI and Alkit	Introduce the project and disscuss the hardware stuff	Hardware equipments	8		
	Thursday	Video conference testing	Full test bed. Video conference testing with Bifrost router between two nodes	Team	4		
		SIP server installation report	Modify SIP & MCU installation report	Individual	4	SIP & MCU installation v1.1	
		Team meeting	Disscuss the script of demonstration video	Team	1		
	Friday	SIP server installation report	Modify SIP & MCU installation report	Individual	2	SIP & MCU installation v1.1	
		Video	Prepare demonstration video script	Video	6		
	Saturday						
	Sunday						
	Total hours in this week				41		
	Total hours in the project				565		