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Matters to follow up after the last PlanetLab NZ meeting
on April 2, 2009
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1. PlanetLab NZ Reports

Next quarterly report (and report on reaching milestone #3) to REANNZ is due on June 31, 2009

Next milestone due on June 31; however we have been asked to report it as soon as computers in Auckland are installed. This could release funding for next stage of PlanetLab NZ

-> Action: Krys, to check interest in the next stage of PlanetLab NZ at other universities. The interest in joining PlanetLab NZ has expressed by our colleagues from AUT, Waikato and Victoria. Richard Harris from Massey is interested to join too, but is currently restrained by very high internal costs of computer connections at Massey.

-> Action: Krys&Joff, to monitor the progress in Auckland, for reporting reaching the milestone asap.
Krys is in email contact with Nevil Brownlee re this matter.
Currently (April 6), PlanetLab NZ nodes at UoC have not been registered by PlanetLab Central at Princeton, yet.

-> Action: Krys, to report reaching Milestone# 3 and to apply for further funding asap.

2. PlanetLab workshops

The first workshop in Dunedin (Dec 2008)

Action: Krys & Harsha & Joff: place all workshop slides on our webpage
Done

Planet Lab NZ as a federation ?

On Feb 2, 2009, we were approached by Jacques Babot, who is in charge of the OneLab2 project on the side of the European Commission, regarding a possibility of joining OneLab2 consortium. Krys responded, but no response from Jacques Babot was received. Krys sent another inquiry to Jacques Babot on March 22, 2009.

We expect that our involvement in OneLab2 would require a continuing financial commitment (at least for, say, 5 years) as well as the resources for being administrative responsibility for PlanetLab NZ as a federation. Thus, at least in the present situation, it seems to be impractical.

-> Action: Krys & Harsha: to organize the 2nd workshop in Chch, in June or July 2009 ?

to secure finances (Krys), to organize the workshop (Harsha & Krys)
There should be no problem to hold this workshop at the beginning of July 2009 (if needed, we could spend money for this purpose before the

end of June 2009)

3. Installation of PlanetLab nodes in Auckland:

Our rack mounted machines were sent to Auckland and we (re-)installed towers instead.

Currently (April 6), PlanetLab NZ nodes at UoC have not been registered by PlanetLab Central at Princeton, yet (see Point 1)

4. PlanetLab NZ at Canterbury:

machines have been placed outside firewall

Joff: to check and confirm the full functionality of our nodes

Done; full functionality has been confirmed.

A permanent location for PlanetLab nodes at Canterbury

Action: Joff&Tony, to consider new ITS building or CSSE

Done; the computers will be permanently located in CSSE

-> Action: Joff, to investigate the issue of additional ports in room 343, for placing our two PlanetLab NZ machines there, since the current location is uncertain in future.

New development: ITS offers us 3 dual quad-core blade servers (a part of m1000 supercomputer)

-> Action: Joff&Tony, to monitor this matter.

It needs to be checked whether these two processors can be used as PlanetLab NZ machines. If they can, then we could either use them instead of our current Planetlab nodes, or we could use them as two additional Planetlab nodes.

5. PlanetLab website:

maintenance and documentation of our activities

-> Action (ongoing): Joff, to keep a record our main activities, including minutes

from our meetings, and reports. Thus, this file should be added as the minutes of the PlanetLab NZ meeting on April 2, while the previous one should be recorded as the minutes of the meeting of March 17.

-> Action: Joff will work on removing password-protection of PlanetLab notices

Action: Krys & Joff: place slides from PlanetLab workshop (Dunedin, Dec 2008)

on this website

Done

-> Action: Joff & Adam, to keep a record of selected statistics of usage of our PlanetLab nodes (on monthly basis ?)

First such data will be recorded next week

-> Action: Joff & Adam: to ping other PlanetLab machines to check potential limitations of our connections via KAREN

6. PlanetLab NZ manual by Farzana:

Harsha: to approve the final version of Farzana's manual
Done

-> Action: Harsha & Joff: Harsha will email his corrected version to Joff who will place it on the our webpage.
This will be the 1st version of the manual, without a brief discussion on "Akaroa2 distributed over PlanetLab".

The final version of PlanetLab manual:

-> Action: Harsha, to send to Greg the corrected version of the manual, with a pointer where a missing text on "Akaroa2 distributed over PlanetLab" should be inserted.

-> Action: Greg, to write the missing text on "Akaroa2 distributed over PlanetLab". Then, the final version of manual should be sent to Joff.

-> Joff, to replace the 1st version of the manual on the PlanetLab NZ webpage by its final version received from Greg.

7. PlanetLab-related research

a. distributed version of Akaroa2 over PlanetLab:
preliminary implementation done on Nov 10, 2008
full implementation needed
Done, as reported by Greg on April 2.

-> Action: Greg, to write a short documentation on how this has been done and how Akaroa2 over PlanetLab can be used

-> Action: Tim, to check existing Akaroa2/NS2 interface and report to Greg

-> Action: Greg, to try to fix Akaroa2/NS2 interface if it doesn't work properly (it should be helpful to take into account the correspondence with Aun Haider, our previous colleague and current collaborator from Japan)

-> Action: Greg, to investigate addition of various interfaces to Akaroa2 (R, Java etc.)

b. applications of PlanetLab in research on P2P:
It was planned to try to use a custom-built software running Omnet++ under control of Akaroa2

-> Action: Adam will update this plan/its modification, for placing its description on our webpage by Joff

-> Action: Adam will report on progress in this project

-> Action: Greg & William, to check existing Akaroa2/Omnet++ interface

c. applications of PlanetLab in research on IPv6 (in wired or wireless networks)

Investigations postponed until May

-> Action: Tim will update this plan in May, for placing its description on our webpage by Joff

-> Action: Tim will report on progress in this project in May

d. VoI: Measurements of End-to-End Quality of Experience on PlanetLab

Action: William will wrote a short description of this project, for placing it

on our webpage by Joff

Done

-> Action: William will report on progress in this project

e.

> Sayan using PlanetLab for research on wireless testbeds

postponed

f.

> Geoff (if interested, after enrollment and signing a contract) using PlanetLab for research on OneLab2-based research on wireless sensor networks

postponed

-> Action: Joff, to place information about all these projects on our webpage

when the projects' leaders submit their descriptions.

8. Other matters

Project's financial situation:

-> Action: Krys, to check the current balance and spendings associated with individual budget items.

The next PlanetLab NZ meeting will be in 3 weeks, on Thursday, April 23,

at 12.00

-> Action: Harsha, to arrange the meeting

-> Action: Joff, to book room 315 or 325 for the meeting