

Deployment of Virtual Clusters on a Commercial Cloud Platform for Molecular Docking

Subtopic: Multi-Cloud

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Week 4 Progress

- FutureGrid
 - A status was posted on the FutureGrid website saying that unplanned maintenance was occurring throughout the past weeks. We now know that this is the cause for one of the errors that was showing.
 - With this in mind, I uploaded the same image to a new computing resource on FutureGrid, Alamo, that can also run KVM virtual images.
 - The VM was successfully launched but I cannot ssh into it due to conflicting networking on the image.

Week 4 Progress

- ViNe
 - A conference call was held with Dr. Mauricio Tsugawa regarding how to configure and set up the ViNe software.
 - ViNe has been configured on a VM on the AIST private cloud as well as a VM on the NAIST local server.
 - ViNe Routers were tested and are running, but still cannot ping between VRs (Virtual Routers)
 - Means that connection not been properly set up.
 - Planning to discuss this with Dr. Mauricio Tsugawa if I can not find a solution soon.

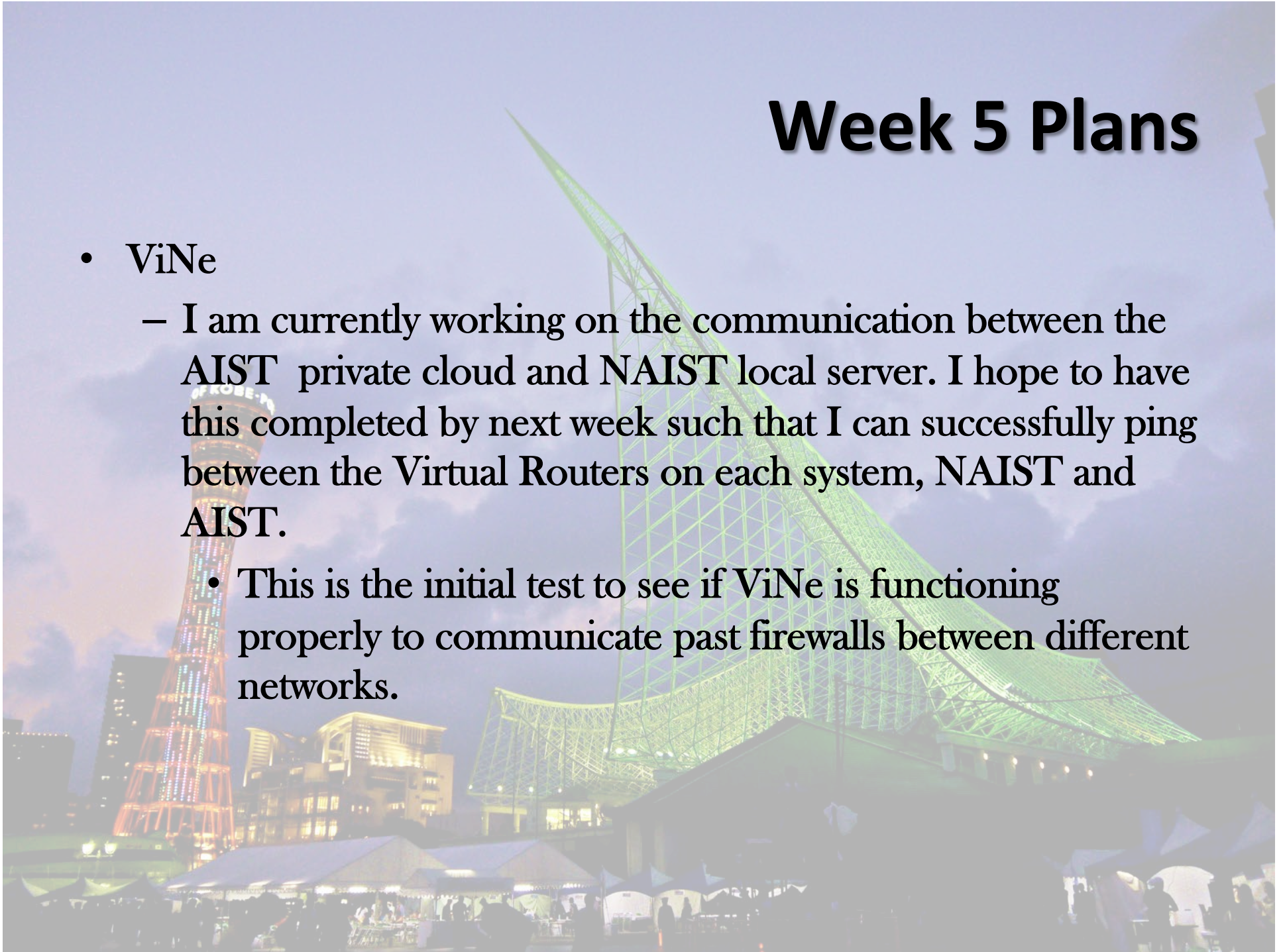
Week 5 Plans

- FutureGrid
 - I am hoping that next week FutureGrid's maintenance of computing resource Hotel-KVM will be complete so that I can launch the virtual image on it.
 - My goal with FutureGrid is to develop a new image with proper network configuration for Nimbus and have it launched on either Hotel-KVM, Alamo, or both.



Week 5 Plans

- ViNe
 - I am currently working on the communication between the AIST private cloud and NAIST local server. I hope to have this completed by next week such that I can successfully ping between the Virtual Routers on each system, NAIST and AIST.
 - This is the initial test to see if ViNe is functioning properly to communicate past firewalls between different networks.



Cultural Exploration



Cultural Exploration



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