

Worksheet for Lab Zero: A First Experiment Using GENI

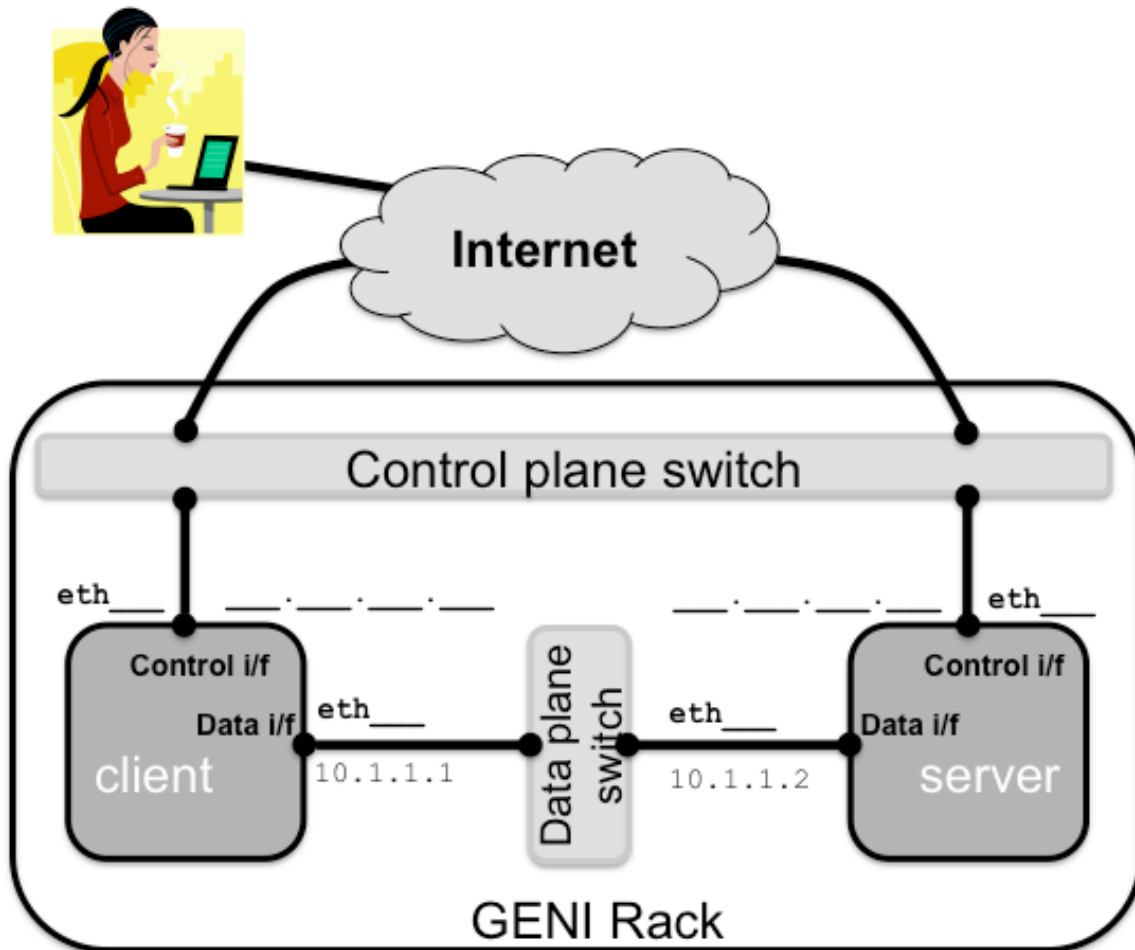
Project Name: **TrainTheTA**
Slice Name: **lab0<your initials>**

Aggregate: **NYSERNet InstaGENI** (aka `instageni.nysernet.org`)

Login to nodes:

Client login: **ssh** _____@_____ **-p** _____
Server login: **ssh** _____@_____ **-p** _____

Fill in the blanks in the diagram below:



Don't forget to *delete* your resources!

Worksheet for Understanding the AM API

2 Pre-work

GENI Portal is at: **`http://portal.geni.net`**

2.2 Pre-work: Project lead adds you to a project

Project Name: **`TrainTheTA`**

2.4 Download Omni bundle and configure Omni

`omni-configure`

3.1 Create a slice

Slice Name: **`lab1<your initials>`**

3.2 Import a simple experiment

Aggregate: **`NYSERNet InstaGENI`** (aka `instageni.nysernet.org`)

Experiment RSpec is:

`http://www.gpolab.bbn.com/experiment-support/UnderstandAMAPI/ig/understandAMAPI_ig.rspec`

3.3 Modify the experiment to automatically install and execute network test software

Install service is:

`http://www.gpolab.bbn.com/experiment-support/UnderstandAMAPI/ig/underAMAPI_ig.tar.gz`

Install destination is: **`/local`**

Execute command is: **`sudo /local/install-script.sh`**

Execute command with: **`sh`**

N.B. apply install and execute services on BOTH client AND server nodes!

3.4 Export the modified experiment

3.5 Send the CreateSliver request to the AM

`omni -a nysernet-ig createsliver lab1<your initials> _____ .rspec`

N.B. the RSpec filename is what you picked when you exported it from Flack

4 Wait for experiment setup

`readyToLogin --no-keys -a nysernet-ig lab1<your initials>`

5 Log in to client node

`ssh _____@_____ -p _____`

7 Cleaning up

`omni -a nysernet-ig deletesliver lab1<your initials>`

Worksheet for Lab Zero: A First Experiment Using GENI

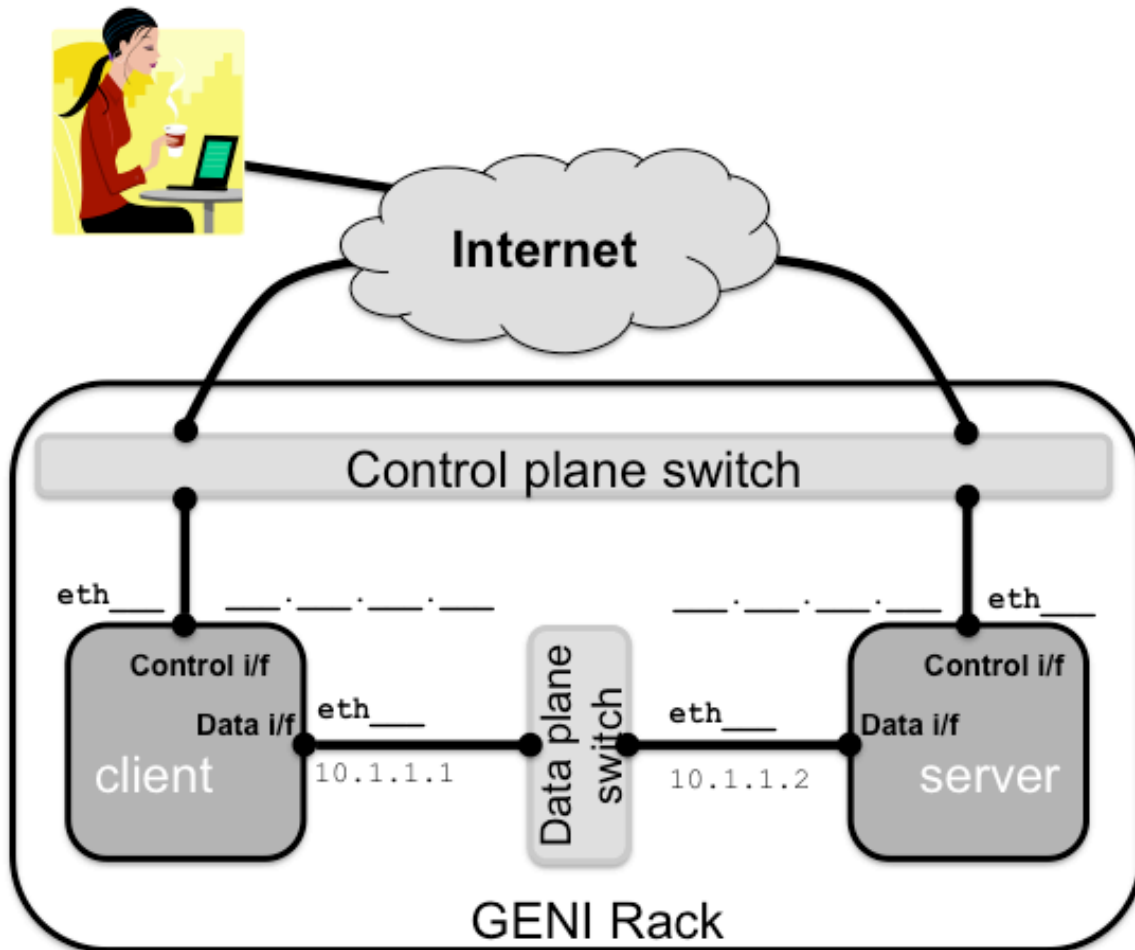
Project Name: **TrainTheTA**
Slice Name: **lab0<your initials>**

Aggregate: **Clemson InstaGENI** (aka `instageni.clemson.edu`)

Login to nodes:

Client login: **ssh** _____@_____ **-p** _____
Server login: **ssh** _____@_____ **-p** _____

Fill in the blanks in the diagram below:



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Worksheet for Understanding the AM API

2 Pre-work

GENI Portal is at: **`http://portal.geni.net`**

2.2 Pre-work: Project lead adds you to a project

Project Name: **`TrainTheTA`**

2.4 Download Omni bundle and configure Omni

`omni-configure`

3.1 Create a slice

Slice Name: **`lab1<your initials>`**

3.2 Import a simple experiment

Aggregate: **`Clemson InstaGENI`** (aka `instageni.clemson.edu`)

Experiment RSpec is:

`http://www.gpolab.bbn.com/experiment-support/UnderstandAMAPI/ig/understandAMAPI_ig.rspec`

3.3 Modify the experiment to automatically install and execute network test software

Install service is:

`http://www.gpolab.bbn.com/experiment-support/UnderstandAMAPI/ig/underAMAPI_ig.tar.gz`

Install destination is: **`/local`**

Execute command is: **`sudo /local/install-script.sh`**

Execute command with: **`sh`**

N.B. apply install and execute services on BOTH client AND server nodes!

3.4 Export the modified experiment

3.5 Send the CreateSliver request to the AM

`omni -a clemson-ig createsliver lab1<your initials> _____.rspec`

N.B. the RSpec filename is what you picked when you exported it from Flack

4 Wait for experiment setup

`readyToLogin --no-keys -a clemson-ig lab1<your initials>`

5 Log in to client node

`ssh _____@_____ -p _____`

7 Cleaning up

`omni -a clemson-ig deletesliver lab1<your initials>`

Worksheet for Lab Zero: A First Experiment Using GENI

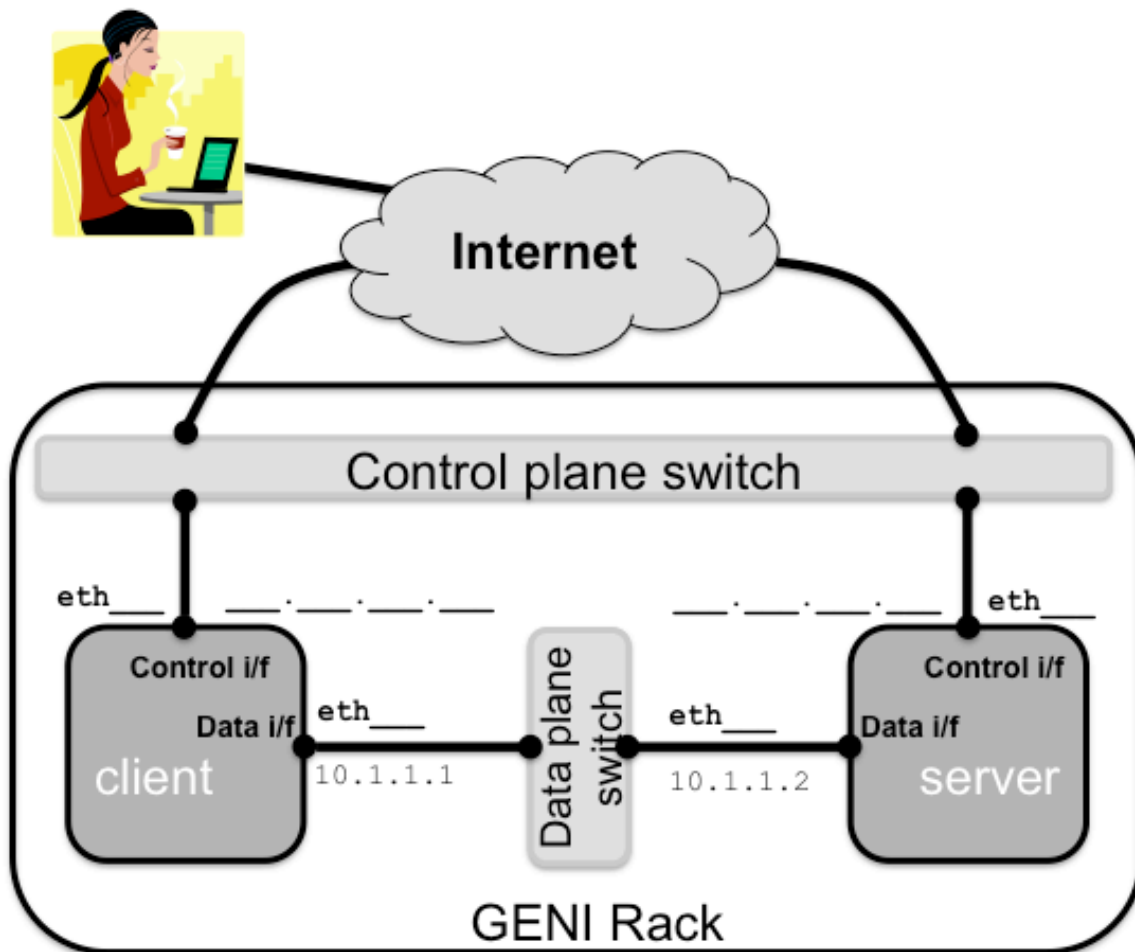
Project Name: **TrainTheTA**
Slice Name: **lab0<your initials>**

Aggregate: **Missouri InstaGENI** (aka `instageni.rnet.missouri.edu`)

Login to nodes:

Client login: **ssh** _____@_____ **-p** _____
Server login: **ssh** _____@_____ **-p** _____

Fill in the blanks in the diagram below:



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Worksheet for Understanding the AM API

2 Pre-work

GENI Portal is at: **`http://portal.geni.net`**

2.2 Pre-work: Project lead adds you to a project

Project Name: **`TrainTheTA`**

2.4 Download Omni bundle and configure Omni

`omni-configure`

3.1 Create a slice

Slice Name: **`lab1<your initials>`**

3.2 Import a simple experiment

Aggregate: **`Missouri InstaGENI`** (aka `instageni.rnet.missouri.edu`)

Experiment RSpec is:

`http://www.gpolab.bbn.com/experiment-support/UnderstandAMAPI/ig/understandAMAPI_ig.rspec`

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Install service is:

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Execute command is: **`sudo /local/install-script.sh`**

Execute command with: **`sh`**

N.B. apply install and execute services on BOTH client AND server nodes!

3.4 Export the modified experiment

3.5 Send the CreateSliver request to the AM

`omni -a missouri-ig createsliver lab1<your initials> _____.rspec`

N.B. the RSpec filename is what you picked when you exported it from Flack

4 Wait for experiment setup

`readyToLogin --no-keys -a missouri-ig lab1<your initials>`

5 Log in to client node

`ssh _____@_____ -p _____`

7 Cleaning up

`omni -a missouri-ig deletesliver lab1<your initials>`

Worksheet for Lab Zero: A First Experiment Using GENI

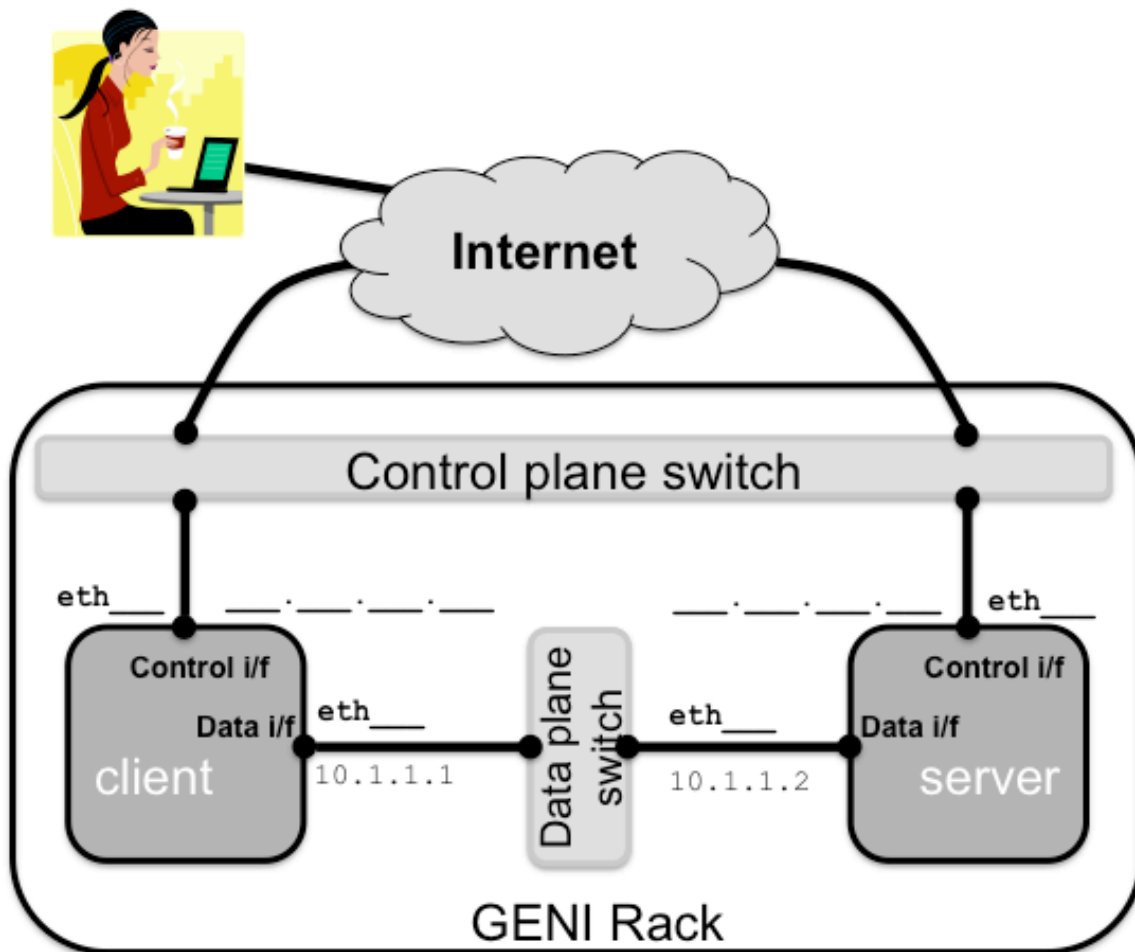
Project Name: **TrainTheTA**
Slice Name: **lab0<your initials>**

Aggregate: **Illinois InstaGENI** (aka `instageni.illinois.edu`)

Login to nodes:

Client login: `ssh` _____@_____ `-p` _____
Server login: `ssh` _____@_____ `-p` _____

Fill in the blanks in the diagram below:



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Worksheet for Understanding the AM API

2 Pre-work

GENI Portal is at: **<http://portal.geni.net>**

2.2 Pre-work: Project lead adds you to a project

Project Name: **TrainTheTA**

2.4 Download Omni bundle and configure Omni

omni-configure

3.1 Create a slice

Slice Name: **lab1<your initials>**

3.2 Import a simple experiment

Aggregate: **Illinois InstaGENI** (aka `instageni.illinois.edu`)

Experiment RSpec is:

http://www.gpolab.bbn.com/experiment-support/UnderstandAMAPI/ig/understandAMAPI_ig.rspect

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Install service is:

http://www.gpolab.bbn.com/experiment-support/UnderstandAMAPI/ig/underAMAPI_ig.tar.gz

Install destination is: **/local**

Execute command is: **sudo /local/install-script.sh**

Execute command with: **sh**

N.B. apply install and execute services on BOTH client AND server nodes!

3.4 Export the modified experiment

3.5 Send the CreateSliver request to the AM

omni -a illinois-ig createsliver lab1<your initials> _____ .rspec

N.B. the RSpec filename is what you picked when you exported it from Flack

4 Wait for experiment setup

readyToLogin --no-keys -a illinois-ig lab1<your initials>

5 Log in to client node

ssh _____@_____ -p _____

7 Cleaning up

omni -a illinois-ig deletesliver lab1<your initials>