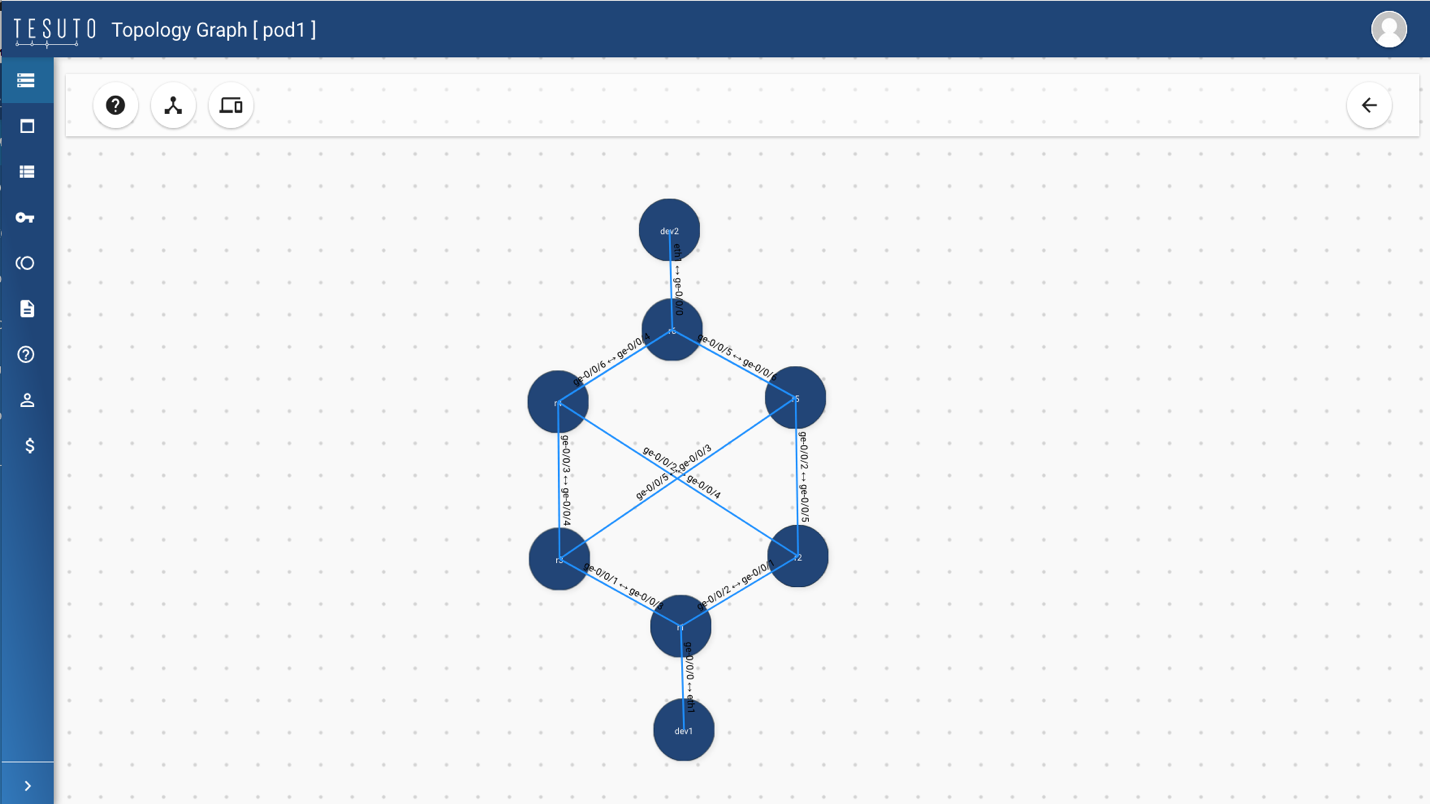
NANOG 76 Hackathon Lab Info

*This doc is available at* [*nanog76.tesuto.com*](http://nanog75.tesuto.com)

# Network Diagram



# Access to emulation

Each emulated device in Tesuto cloud automatically receives an externally accessible FQDN in the following format:

|  |
| --- |
| [hostname].[account name].[emulation name].cloud.tesuto.com |

For this hackathon your emulation name = “**oracle**” and your account slot is **POD[N]** where [N] represents your pod number.

For example if you are working on pod5 and want to connect to dev1, use the following address:

|  |
| --- |
| **dev1.pod5.oracle.cloud.tesuto.com** |

## Authentication

### Linux instances

An ssh key is pushed to all linux devices in the emulation (routers, dev1, dev2).

Download the key from this address:

<https://storage.googleapis.com/tesuto-public/nanog76.key>

Save the key in your local machine. This document assumes you saved it to ~/.ssh/nanog76.key

|  |
| --- |
| curl -o ~/.ssh/nanog76.key https://storage.googleapis.com/tesuto-public/nanog76.key |

Change the permission of the key

|  |
| --- |
| chmod 400 ~/.ssh/nanog76.key |

### SSH Config File

For ease of access we recommend adding the following section to your ~/.ssh/config file. Make sure to replace your PODNUMBER in the config. The following config also prevents you from accidentally connecting to other pods.

|  |
| --- |
| host \*pod**<PODNUMBER>**.cloud.tesuto.com  StrictHostKeyChecking no  user tesuto  IdentityFile ~/.ssh/nanog76.key  IdentitiesOnly yes  LogLevel quiet host \*pod\*.cloud.tesuto.com  user wrong\_pod |

### There are two ways you can access the routers, using the ssh key or using static credentials provided below:

### Using ssh key:

ssh -i ~/.ssh/nanog76.key -l tesuto dev1.pod1.oracle.cloud.tesuto.com

ssh -i ~/.ssh/nanog76.key -l tesuto r1.pod1.oracle.cloud.tesuto.com

The following credentials is set on all routers:

|  |
| --- |
| Username: rtrdev Password: nanog76dc |

Confirm you have access to all dev instances:

|  |
| --- |
| export POD\_NUMBER=0 # This is your POD Number for srv in ztp dev1 dev2; do   ssh $srv.hackathon.pod$POD\_NUMBER.cloud.tesuto.com "echo \"connected to $srv\""; done |

## Management Network

Mgmt interface of all Juniper vMX devices and eth0 of all linux boxes are connected to a management network. You can see the list of management IPs on /etc/hosts of linux devices.

# Console access

If at any point you need to access router consoles, ssh to

|  |
| --- |
| oracle.pod<number>.cloud.tesuto.com |

Once connected you can access the console by running console <routername>

# Access to Tesuto platform

Tesuto UI allows you to control the emulation. Prior to hackathon we have already launched the devices but in case your need to review the topology, power-cycle or repair the devices you can login to Tesuto UI with the following details:

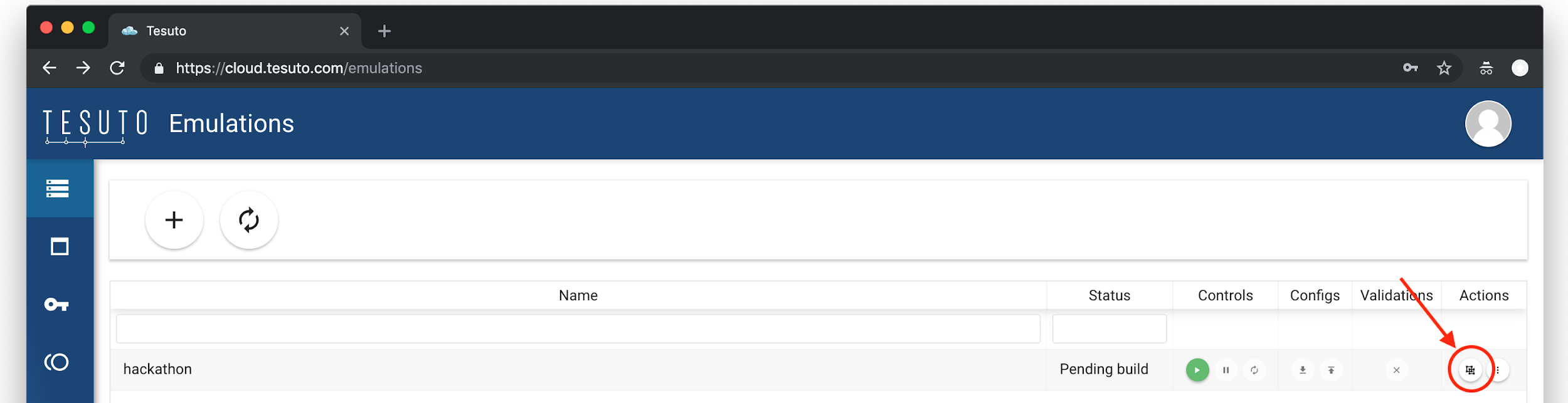
<https://cloud.tesuto.com>

Username: pod[N]@tesuto.com # Replace [N] with your pod number

Password: nanog76dc

NOTE: Only one concurrent UI session is possible for a given user

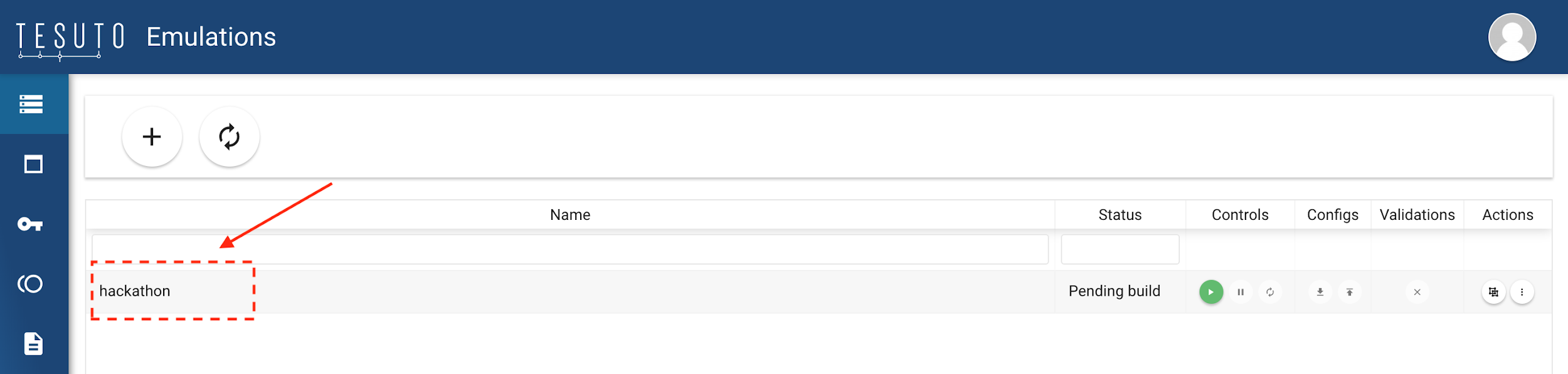
To view the topology click on Designer button on emulation row



### 

### To repair a device

Click on emulation name to get to devices page



Click on “...” on actions columns to see the list of actions and choose “repair”

