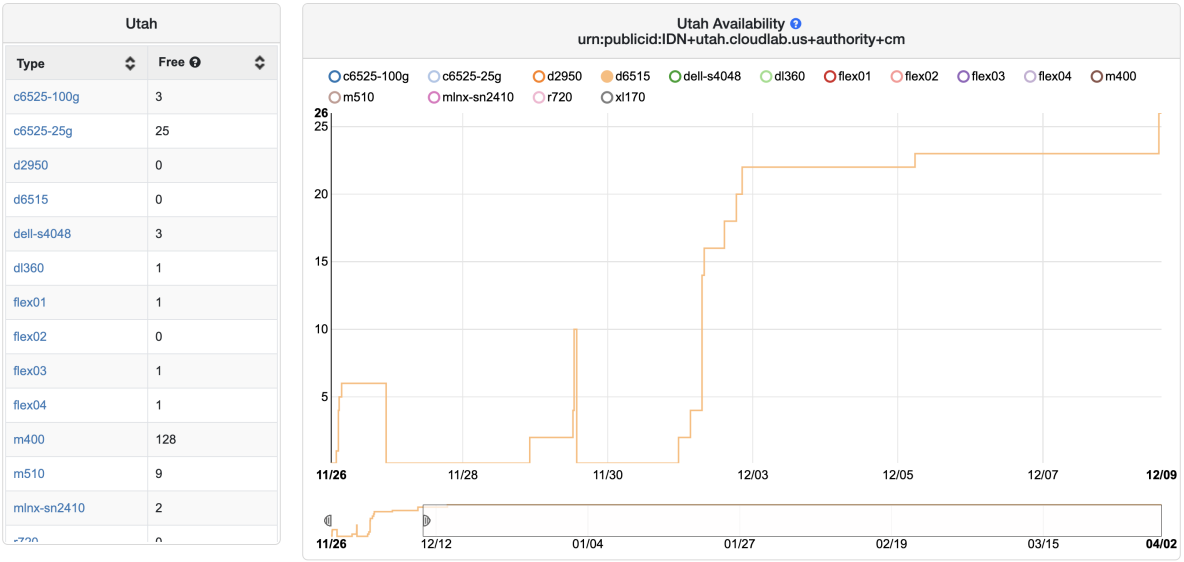
Cloudlab Instructions

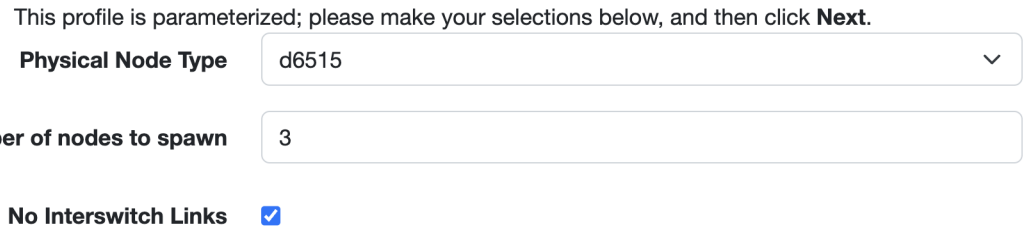
This is a step-by-step guide to use Cloudlab. If you are already familiar with it, you can directly reserve three 3 d6515 nodes, use our provided Cloudlab profile which automatically configures the environment, and follow figure-6/7 instructions readme to run the experiments.

1. Register a Cloudlab account and join a Cloudlab project so that you are permitted to use it.
    a. Note: If AEC doesn't have the exisiting project for reviewers to join, please inform us and we can invite you to our project.
    b. Add your SSH pub key here
2. Check d6515 availability status in Utah cluster (click d6515 orange button within the figure legend for clearer view)

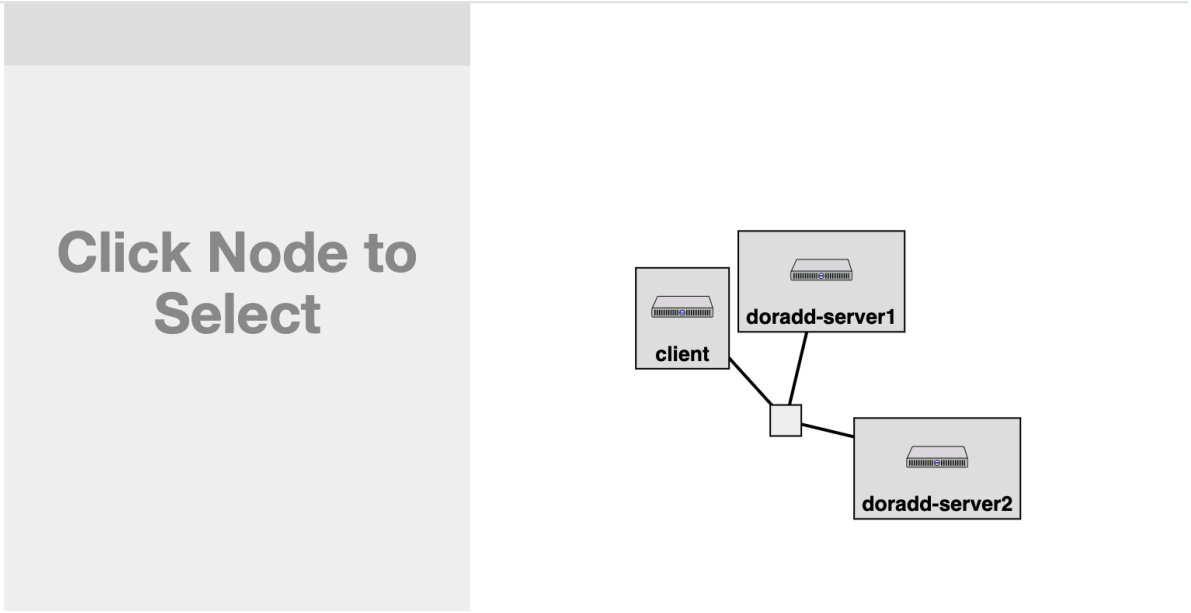


3. Reserve three d6515 nodes
    a. Reserve three d6515 nodes from Cloudlab Utah cluster

4. Once your reservation is successful, you can run experiments as following upon the date.
5. Create an experiment profile using our provided profile
    a. Choose “Git Repo” for source code, and paste this link - https://github.com/doradd-rt/doradd-cloudlab-profile
6. Instantiate an experiment using this profile, where you can see “2. Parameterize” as the following



in the next step, choose the project that you used for reservation, and you can see below topology and you can now schedule the experiment.



7. Once all above is done, you can wait until you see something similar to below, where status and startup finished (automatically install the dependencies needed for this experiment). And you can run ssh to access the resources.

Topology View | List View | Manifest | Graphs | Bindings

ID	Node	Type	Cluster	Status	Startup	Image	SSH command (if you provided your own key)
client	amd015	d6515	Utah	ready	Finished	emulab-ops/UBUNTU22-64-STD	`ssh scofisd@amd015.utah.cloudlab.us`
doradd-server1	amd008	d6515	Utah	ready	Finished	emulab-ops/UBUNTU22-64-STD	`ssh scofisd@amd008.utah.cloudlab.us`