

2021-09-03 AI/ML for NFV Meeting Minutes

Attendees

Beth Cohen

Sridhar Rao

Rohit Singh Rathaur

Girish L

Amar Kapadia

Sl. No.	Topic	Presenter	Notes
1	Project Repo Status		Repo is ready, we can start submitting patches. https://github.com/opnfv/thoth Submitted research studies.
2	Failure emulation work status		Experimenting on Pod18 - 30, 40, 50, 80... Pods.. Will have to increase to 100. Haven't started with "Openstack pods" yet. similar tool with stress-ng is almost ready - will test it next week. - https://github.com/ColinlanKing/stress-ng
3	Data Extraction Tool Status		Completed implementing and testing for Prometheus (who is receiving metrics from collectd) data extraction.
4	Demo of Failure Prediction Models	Girish L Rohit Singh Rathaur	Migration to Intel Pod12. Review of various data models. Based on the RMSE tests, CNN seems to be the best option. Compared single step and multiple step training, got similar results. Data was based on 1 minute of traffic. Link to Slides to be added to the notes. Presentation: https://docs.google.com/presentation/d/1awXXzH5piKg0fQiYgyqpMh6xXzBAIJzE/edit
5	Reference to Thoth at ONES	Beth Cohen	Beth Cohen to mention abt the thoth work at ONES https://events.linuxfoundation.org/open-networking-edge-summit-north-america/