2021-11-12 AI/ML for NFV Meeting Minutes

Attendees

Sridhar Rao

Akanksha Singh

Kuldip Yadav

Kanak Raj

Ildiko Vancsa

Sl. No.	Topic	Presenter	Notes
0	Time Change		Currently: 1300UTC Change to: 6AM Pacific - No overlap with other meetings, and many are OK with the change. Check: Other attendees from West-Coast. Request Sandra to Change the calendar Invite.
1	About Thoth - Status, Roadmap, Direction.		AboutThoth.pptx
2	Demo - GANs for generating synthetic data.		Team is unable to attend due to 'Heavy Rains' - Moved to Next-Week.
3	Kubernetes - ML		**Questions to Answer:** 1. ML problems in **Cloud-Native** - Existing Works. 2. Dataset related to these problems. 3. ML Models used by these existing works. 4. "Novel problem" - Not yet considered by any existing works - or a better technique to an existing problem. 5. Implement the solution to the 'Novel problem' OR better technique for existing problem. When you do 1, 2 and 3 - it will result in Technical Report **ONLY** When you do 4 & 5 - You can publish in reputed Conf/Journals. Connect Kanak and Akanksha to Girish. Cloud-Native - Observability is kind of 'Default', even Tracing is common. This results in generating lot of Data and analysis of this data is a hot topic. Are there any ML problems ?
4	Openstack Inputs	Ildiko Vancsa	Apart from CNTT **"specification"** around Openstack - how it should be used - there isn't any. Openstack - Ironic-based Baremetal cloud, and from there it can be K8S. Openstack - Zune : Orchestration of Containers.

5	ModelSelector - Phase2		Based on Inputs from Steven Casey
			Current State: Ask users a bunch of questions and then based on the answer decide which tool to use.
			Proposal: Build (reuse existing) framework that has 'implementations' of all these models, and collect sample data from user (and the problem) and run through this framework (select set of models) and then decide which model to use based on the 'performance-metric'. This will result in better suggestion/estimation of a 'model-to-use'.
			This could be used for **MaaS**.