

2021-08-27 AI/ML for NFV Meeting Minutes

Attendees

Sridhar Rao

Girish L

Al Morton

Beth Cohen

Ildiko Vancsa

Kanak Raj

Michael Salmon

Sandra Jackson

Jahanvi Ojha

Akanksha Singh

Sl. No.	Topic	Presenter	Notes
1	Project Creation Status		<ol style="list-style-type: none">1. Jira is still pending.2. Committer rights is pending too. It should be resolved today. <p>Once committer rights is obtained, will publish the 'research-studies'</p>
2	Data Generation Status		<p>K8S: Cloudstress for emulating failures.</p> <p>Currently unable to create failures. Alternate approaches:</p> <ol style="list-style-type: none">1. More pods with stress-tool - 20-30pods could help. Use a pattern of deploying - step, random-time-varied.<ol style="list-style-type: none">a. Increase the iops to 10x more than the specified (by the vendor).2. Run different application - Openstack is one example
3	Data collection through collaboration		No Progress Yet.
4	Model (FP) development Status		<p>Simpler:</p> <ol style="list-style-type: none">1. Completed: Decision Tree2. Completed: XG-Boost <p>Novel/Complex:</p> <ol style="list-style-type: none">1. Completed - LSTM2. In Progress - GNN <p>Demo on 3rd September.</p> <p>All are on Jupyter Notebook, and currently running Google Collaborator.</p>
5	Tools - Algoselector Update		<p>https://github.com/opensource-tnbt/algoselector</p> <p>Kanak, Jahnvi and Akanksha -</p> <p>(ML is applicable or Not)</p> <p>Supervised</p> <p>Unsupervised</p> <p>Reinforced</p> <p>Sridhar Rao to schedule a meeting with Students to explain the code.</p>

6	Other Tools		<p>1. Model based, Multi-Source Data Extraction with Data Anonymizer</p> <p>Data Anonymizer:</p> <p>Exclusions:</p> <ol style="list-style-type: none"> 1. Columns. 2. Rows with certain 'regex' <p>Prometheus + Elastic</p> <p>No Progress - Looking for contributors here.</p>
5	Other Open-Works		<p>Analysis: Trend and Pattern</p> <p>Detection: Anomaly Detection</p> <p>No progress - Looking for contributors here.</p>