6 is the number of Thoth, and Ibis/Beak-of-Ibis is one of the symbols of Thoth - The above symbol captures both.

Introduction

AI has the potential in creating value in terms of enhanced workload availability and improved performance and efficiency for NFV use cases. This work aims to build machine-Learning models and Tools that can be used by Telcos (typically by the operations team in Telcos). Each of these models aims to solve a single problem within a particular category. For example, the first category we have chosen is Failure prediction, and we aim to create 6 models - failure prediction of VMs, Containers, Nodes, Network-Links, Applications, and middleware services. This project also aims to define a set of data models for each of the decision-making problems, that will help both providers and consumers of the data to collaborate.

Presentations

<table>
<thead>
<tr>
<th>Date</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-November-2021</td>
<td>AboutThoth.pptx</td>
</tr>
<tr>
<td>10-July-2021</td>
<td>Thoth-10July2021.pptx</td>
</tr>
</tbody>
</table>
Approach

Decision-Driven Data Analytics.

https://mitsloan.mit.edu/ideas-made-to-matter/decisions-not-data-should-drive-analytics-programs

PTL

Rohit Singh Rathaur

Committers

Sridhar K. N. Rao Sridhar Rao

Intern:

Shashank Shekhar Singh

Key-Info (info.yaml)
---

project: 'Thoth'
project_creation_date: '01 June 2021'
project_category: 'Infrastructure'  # One of: Deployment, Integration & Testing, Infrastructure
lifecycle_state: 'Incubation'  # One of: Incubation, Mature, Integration, Archived
project_lead: &anuket_PROJECTNAME_ptl
  name: 'Rohit Singh Rathaur'
  email: 'rohirathore.imh55@gmail.com'
  company: 'Birla Institute of Technology, Mesra'
  id: 'TeAmp0is0N'  # Linux Foundation ID
  timezone: 'IST ((GMT+5:30)'
primary_contact: *anuket_PROJECTNAME_ptl
issue_tracking:
  type: 'jira'
  url: 'https://jira.anuket.io/projects/thoth'
  key: 'thoth'
mailing_list:
  type: 'groups.io'
  url: 'anuket-tech-discuss@lists.anuket.io'
  tag: 'thoth'
realtime_discussion:
  type: 'slack'
  server: 'anuketworkspace.slack.com'
  channel: '#thoth'
meetings:
  type: 'zoom'
  repeats: 'weekly'  # ex: weekly, monthly, bi-weekly
  time: '05:30 UTC'  # ex: '16:00 UTC'
  day: 'Monday'
repositories:
  - 'thoth'  # ex: myproject
committers:
  - name: 'Sridhar K. N. Rao'  # repeat all fields for each committer
    email: 'srao@linuxfoundation.org'
    company: 'The Linux Foundation'
    id: 'sridharkn'
tsc:
  approval: 'https://wiki.anuket.io/display/HOME/2021-08-03+TSC+Agenda+and+Minutes'  # ex: https://wiki.anuket.io/display/HOME/2021-01-12+TSC+Agenda+and+Minutes
changes:
  - type: ''
    link: ''
Active Contributions (Aka Volunteers)

1. Sridhar Rao
2. Rohit Singh Rathaur
3. Sagar Thakur

Contributors

1. Kanak Raj
2. Shubhank Saxena
3. Akanksha Singh
4. Jahanvi Ojha
Meeting Details

Topic: AI/ML for NFV
Time: 05:30 Universal Time UTC
Day: Every week on Monday
Zoom Link: https://zoom.us/j/96163911066
Meeting ID: 961 6391 1066
Find your local number: https://zoom.us/u/acEvZCMvjT

Gerrit Details

- Anonymous HTTP: git clone "https://gerrit.opnfv.org/gerrit/thoth"
- Gerrit Repo: https://gerrit.opnfv.org/gerrit/admin/repos/thoth

Contributions

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Contributor</th>
<th>Contribution</th>
<th>Duration</th>
<th>Certificate of Appreciation OR Contribution</th>
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<tbody>
<tr>
<td>1</td>
<td>Girish L</td>
<td>Survey of:</td>
<td>1 Month</td>
<td>ML-Networking-Telcos Survey</td>
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<td></td>
<td></td>
<td>1. Existing works on AI/ML in Networking - works related to NFV - problems, ML-Techniques, Data, etc.</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>3. OSS Projects for AI/ML that can be (re)used</td>
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