

# Meeting Minutes

## 2/12/2021 - Team Meeting

### Attendees :

- Surojit
- Biswajit
- Apoorv

### Topics discussed :

- VPN still not working for Surojit.
- Surojit created new AWS account in DHS for RuralEdge.
  - Sent SSO to all developers
  - DHS Private SSO : <https://d-9a672ae385.awsapps.com/start#/>
- To decide on the Base project - Venugopal from Ericsson will helping
  - Tina : [KubeEdge Edge Service Blueprint](#) is good start ?
- Official Github repo - <https://github.com/akraino-edge-stack/tami-rural-edge>
  - Current Github : <https://github.com/dhs-inc>
- Official Project Jira Board : <https://jira.akraino.org/projects/TAMI>
- Apoorv added to Committer. Updated LF Wiki
- Surojit was not able to add other committers to <https://jira.akraino.org/projects/TAMI>
- Requested Committer rights - <https://jira.linuxfoundation.org/plugins/servlet/theme/portal/2/IT-21545>
- Zuul/OpenLab offering Lab space

### To Do :

- Apoorv will try VPN to Lab from Linux and Windows - ref - [Shared Community Lab](#)
- AWS - Surojit will fix the access
- Tina/Venu - help to define the base project - to be used for dev - Tina :: IEC+Type+2+
- Create K8 cluster in AWS and later in Lab - only to test access/logistics, not for dev
- Request advice for Gerrit or Github. (Tina : suggestion is Gerrit as all BPs are there) - Eric
- Check if Zuul/OpenLab is easier - Aditya

## 3/12/2021 - Team Meeting

### Attendees :

- Surojit
- Biswajit
- Tina
- Aditya

### Topics discussed :

- Discussed benefit of using KubeEdge and PCEI
- Tina provided contact for KubeEdge
- Shared update for AWS K8 deployment

## 4/9/2021 - Team Meeting

### Attendees :

- Surojit
- Biswajit

### Topics discussed :

- Currently PCEI, KubeEdge don't solve or provide the last mile connectivity, and assumes it as existing
- RuralEdge target areas don't have 3G/4G/5G connections
- For 2G/3G Areas we are exploring Private LTE solution to resolve the last mile network
- Oleg from PCEI Team suggested that Private LTE is the only option where 4G/5G network is not available to keep latency <30ms
- Abhishek has deployed K8 using x86 EC2 instances

### Next Step :

- Abhishek will deploy new k8/EKS cluster on ARM instances
- Surojit will deploy RE Video Bridge on Jetson Nano and test over local WiFi
- Biswajit will work with PCEI to architect the network solution for the cases listed below :
  - Where no network is available (Private LTE, Wifi with no overlay with Public Network)
  - Where 2G/3G Public Network is available
  - Where 4G Public Network is available
  - No 5G solution required. 5G will solve the network latency

## 4/23/2021 - Team Meeting

### Attendees :

- Surojit
- Biswajit
- Aditya
- David
- Tina

### Topics discussed :

- Private LTE device required. Biswajit researched AirSpeed 3.0
  - Cost \$4k/install
  - AirSpan product (<https://www.airspan.com/rural-solutions/>)
  - Need to be presented to TSC for budget (need to also add to TSC Tuesday meeting to be able to )
- Abhishek deployed EKS on AWS with ARM instances (1 cluster with 2 nodes)
  - Instances used : T3a.micro X 2, T4g.micro X 1
- PCIE Outpost meeting was cancelled. Need to follow up with Matt to get advise on RE use of Outpost
- Surojit working on Video Bridge deployment on k8
- Surojit Deployed Video Bridge on Jetson Nano board as POC. Need a strategy to test.
- Surojit and Abhishek working on splitting the apps into modular components for edge distribution
- Need to create a new repo in Gerrit for Release 5
- Also need to start publishing logs (CICD same as in )
- Tina suggested looking at TinkerBell <https://tinkerbell.org/> [can provide baked hardware]
- Working with Smart Gaon Foundation for POC logistics in India - ETA 5/31 ([www.smartgaon.org](http://www.smartgaon.org))