

# FATE Development Committee Meeting

2022/6/16

# Agenda

- FATE / KubeFATE 1.9 Update
- Feature discussion & update
  - HW acceleration (Clustar & WeBank)
  - Intel CPU acceleration (Intel & VMware)
  - Semi-supervised learning (EB China Tech)
  - Training management portal (BOC Fintech)
- Call for Experiment DataSets for FATE
- Performance issues (UnionPay)
- Interview opportunity for FATE community
- Technical articles for community

# FATE 1.9.0

- In progress :
  - Flow HA(40%) : scheduler, log, model
  - Hetero-NN Support Torch Backend (70%): pipeline client to customize the nn structure for Hetero-NN with torch backend.
- Done
  - PSI Supports ECDH Protocol : 20 x faster than PSI- RSA ( 1kw \* 1kw )
  - PSI Support Exact Cardinality Estimation
  - Some performance optimization for feature engineering.
- <https://github.com/orgs/FederatedAI/projects/9>
- <https://github.com/orgs/FederatedAI/projects/10/views/1>

# Feature discussion & update

- HW acceleration (Clustar & WeBank)
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# Call for Experiment DataSets of FATE

- Goal:
  - Provide dataset for experiments or testing of FATE
  - Give credits to the providers of dataset
- How:
  - Call for datasets from the community
  - Approaches:
    - 1) To put data on Github directly.
    - 2) To store dataset on the 3rd platform, and provide pointers from Github to the dataset.

# Repo of FATE-Experimental

- Create a repo of 'FATE-Experimental'
- Goal:
  - Mainly for code used for research or not verified in production environment
  - Make it easy for the communities to contribute to FATE
  - Protect the main repo of FATE
- How:
  - The code of 'FATE-Experimental' can be merged into 'FATE' once it is verified (1. get approvals from SIGs or stand test of time; 2. standard proposal/PR process)
  - The document of 'FATE' can refer to the functions of 'FATE-Experimental' to make 'FATE-Experimental' better known to the public. The document should contain some alert words, such as 'cautions: the function is not verified'.