



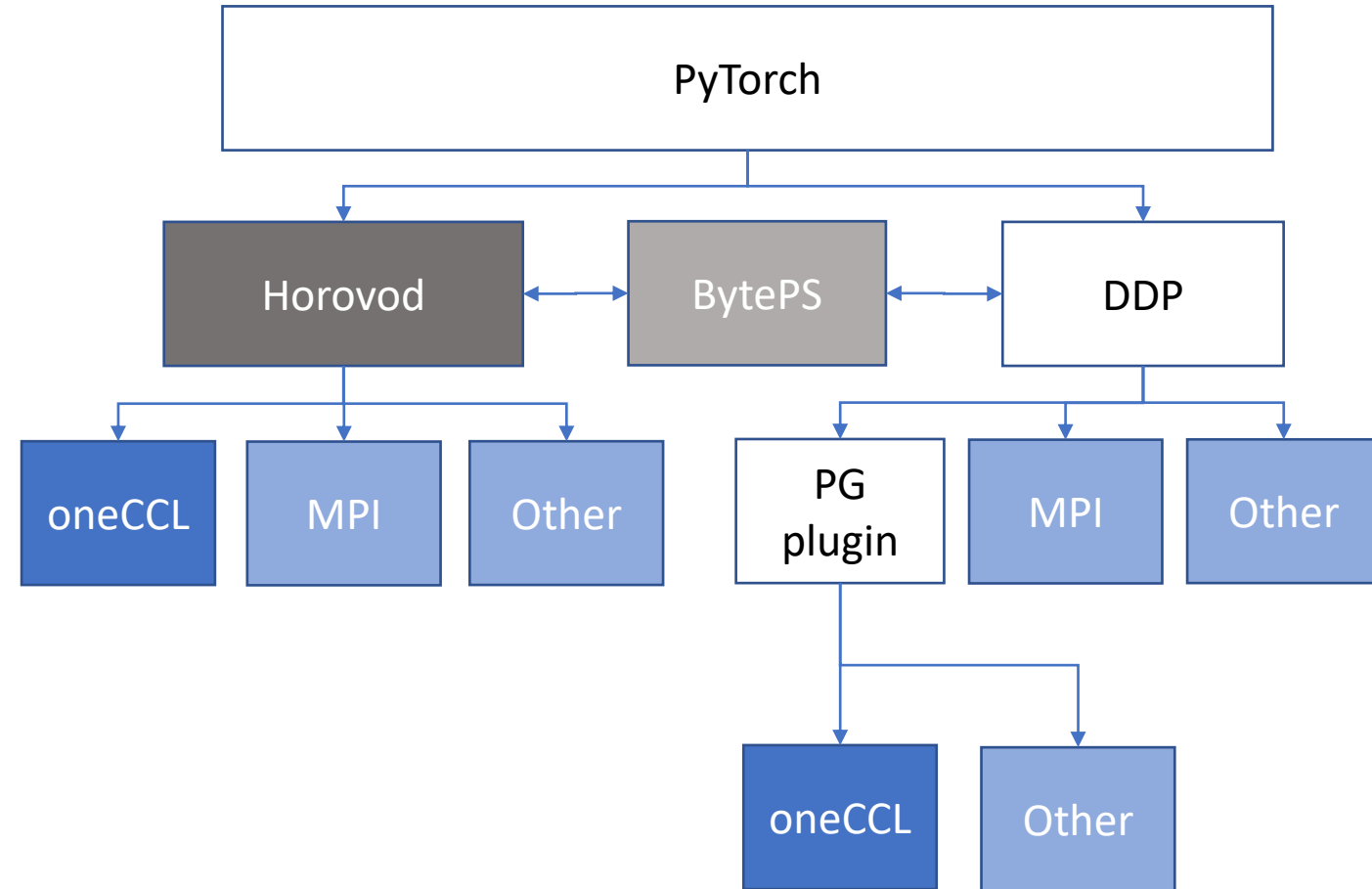
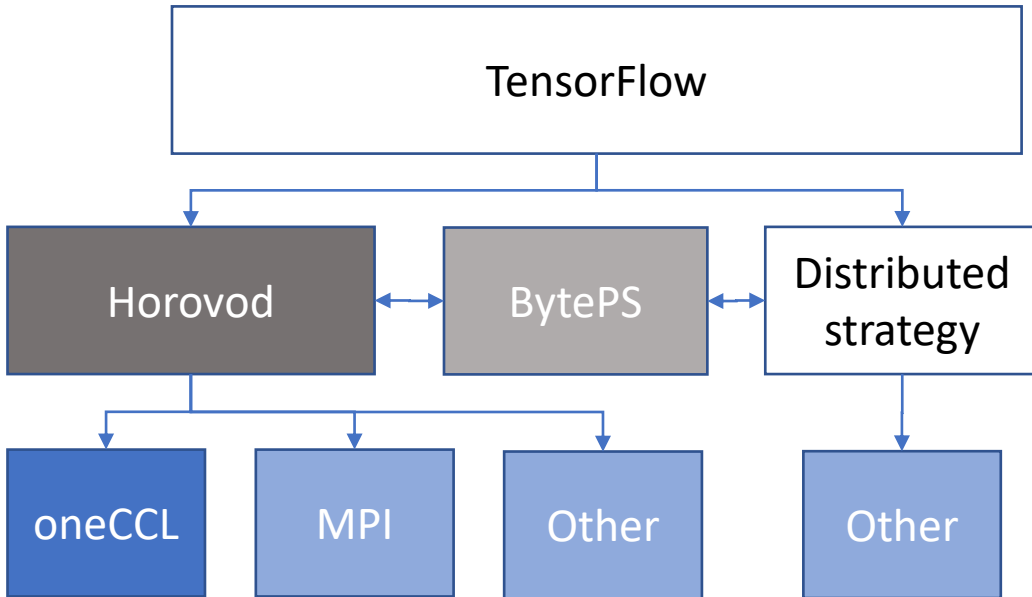
# oneAPI Technical Advisory Board

# Discussion topics

## Key Questions:

- How to align FW and communication runtimes/libraries?
- Should we introduce new APIs, new high level integration points or extend existing ones?
- What is the acceptance criteria and goals for the API?

# Distributed machine learning stack examples

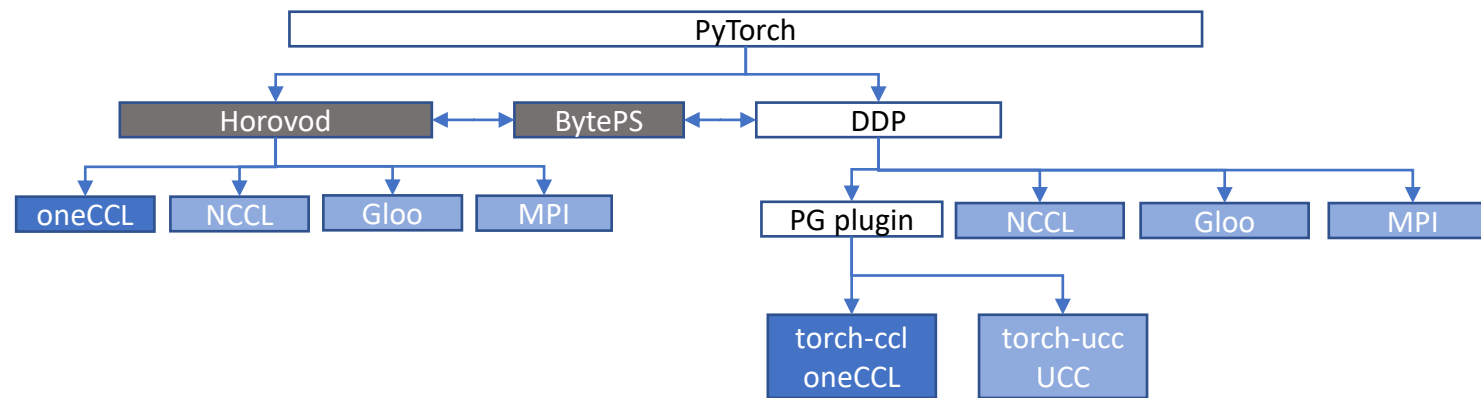


# Problems

Multiple integration points for comm level runtimes

Unclear long term framework integration strategy

Multiple overlapping paths:



Default/optimal path may not be clear to framework end users

GPU/CPU non-unified paths

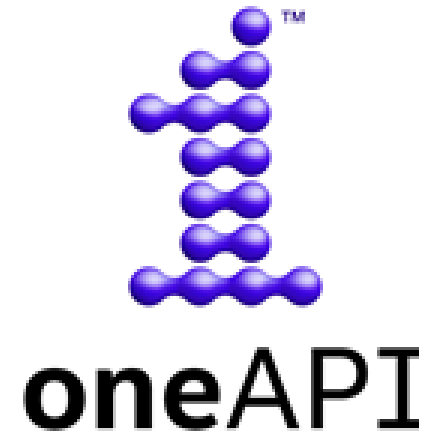
# Proposals

Extend existing oneAPI spec if there is anything missing (oneCCL API spec)

Collaborate more on long-term strategy/architecture framework goals/convergence. E.g. unification of integration points

Focus on standard based approach (“MPI standard like” approach for frameworks. oneAPI spec as example)

Unified API with ABI compatibility as one of the goals



# Thank You!

<http://oneapi.com>