Remote computing with APN - Future of ʦuzumis' deep dive

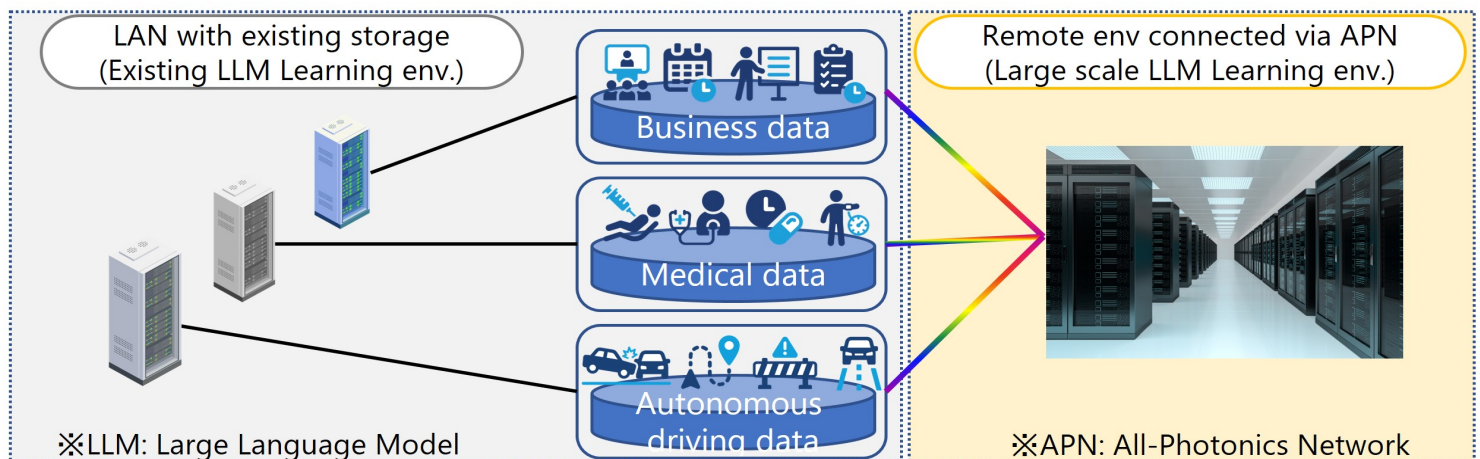IOWN **Pick Up**   NTT version Large Language Models

Background

Preparing large amounts of high-quality training data is critical for large-scale language models including ʦuzumi and many AIs. In companies, data collected by various departments tends to be dispersed across different locations. Sharing and effectively utilizing that data is necessary.

Summary

The All-Photonics Network (APN) connects sites between locations and enables data to be treated remotely as if it were in a LAN environment located at the same site. This enables you to avoid the duplication of tera-peta class learning data and start learning promptly.

LAN with existing storage (Existing LLM Learning env.)

Remote env connected via APN (Large scale LLM Learning env.)

Business data

Medical data

Autonomous driving data

※LLM: Large Language Model

※APN: All-Photonics Network

Features

- ■ NFS over APN allows data to be treated without transmission delays
- ■ Even if the number of locations increases, APNs can be connected by simply adding a single line
- ■ It eliminates the need to copy large volumes of data to the physical location of the computer as a part of learning preparation

Future_benefits

As data circulation becomes more dynamic, LLM including ʦuzumi will deepen further. More expert-like intelligences will contribute to the realization of a smart sustainable world.

Exhibiting Company

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