

IOWN INTEGRAL

NTT R&D FORUM 2024

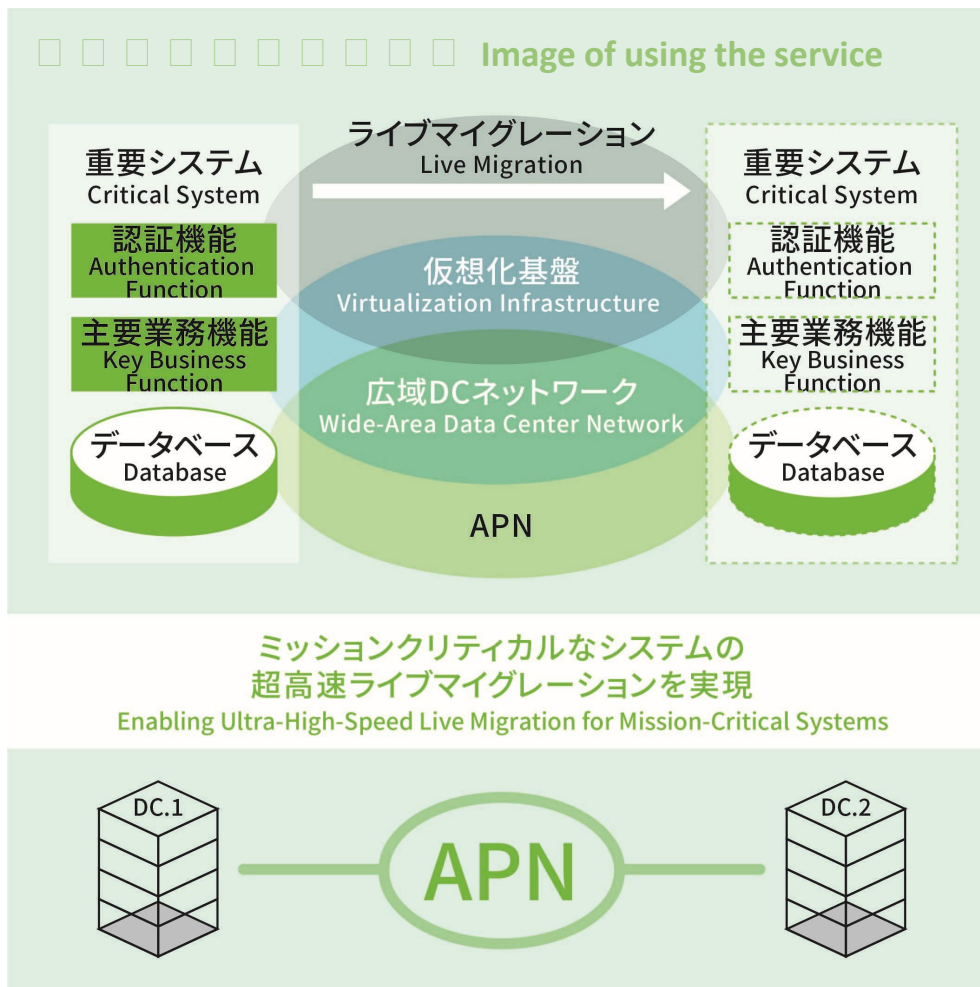
DEVELOPMENT

δ 03-04

Ultrafast VM Migration for mission critical systems with IOWN APN

The IOWN enables instant mission-critical system migration, which minimizes the service impact of financial and manufacturing industries in the event of a disaster

#Business Resilience #Productivity Improvement #Green Transformation



///Technical Issue

Develop network meeting the demanding latency and jitter requirements of data synchronization.

///Research Goal

An international APN with high capacity, low latency, and an end-to-end optical communication channel is applied to a storage network.

---Technology

APN (All-Photonics Network)
Live VM Migration provided by each vendors

---Novelty

High-bandwidth, low-latency, long-distance data transfer using APNs to provide Live VM Migration with significantly reduced down time.

---Applicable Business

Business Area: Finance and manufacturing industries.
Use Cases: VM Migration between multiple DCs
Availability: Scheduled service delivery date: 2025