



KEI KUSUNOKI

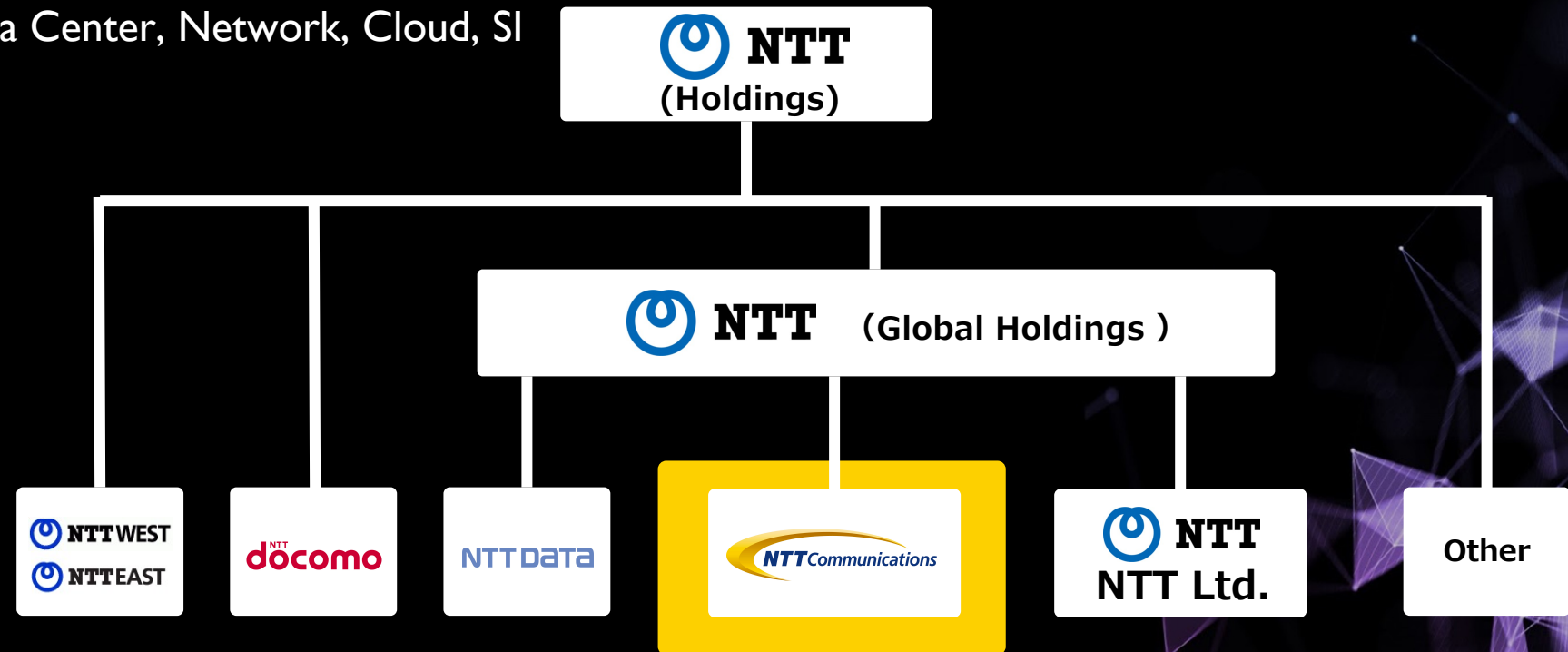
Co-Chair of Technical Oversight Committee, SODA
Foundation

Manager, Innovation Center



ABOUT NTT COMMUNICATIONS

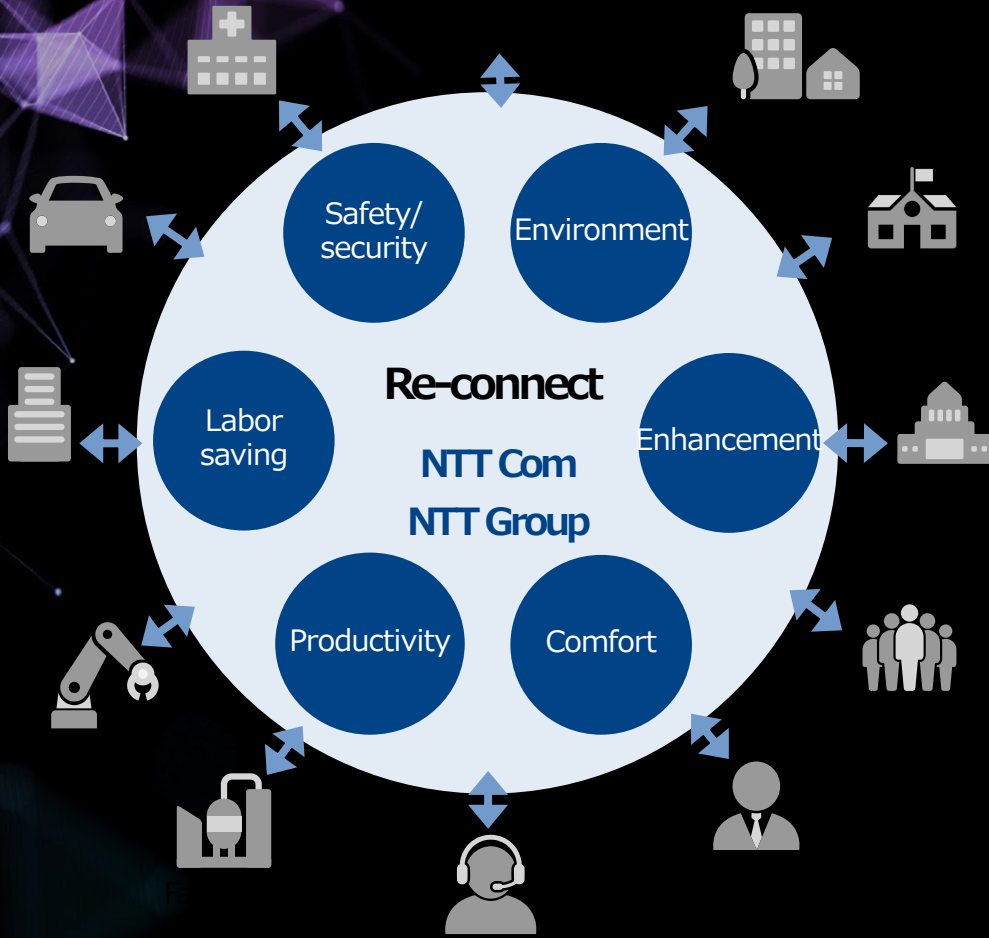
- A company in NTT Group
 - NTT Group: Japanese Telecom Carrier
 - Main Business: Data Center, Network, Cloud, SI



Company Strategy

Contribute to the realization of sustainable future
by redefining value in the remote world,
"re-connecting" consumers, businesses, and society
in a secure, safe, and flexible manner
through co-creation with customers and partners

Re-connectXTM



Initiatives for Re-connect X

Co-creation with customers/partners

1. Smart World

Connect society with future

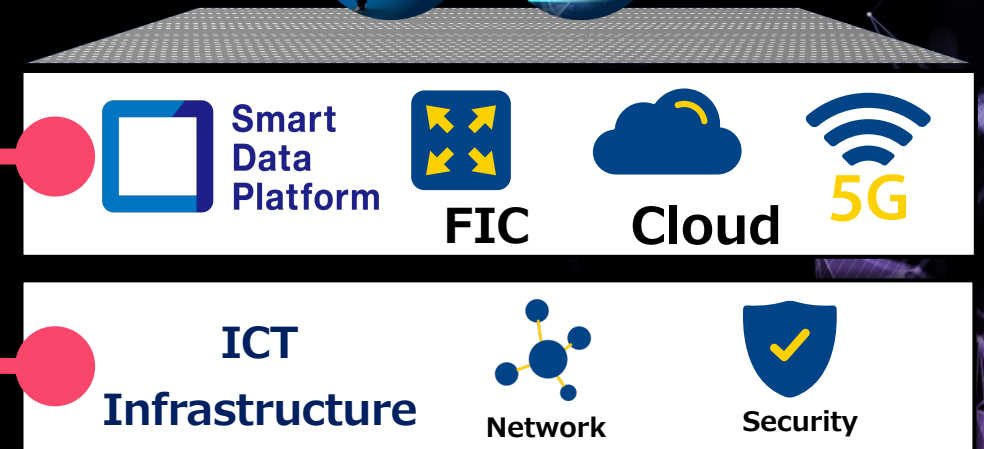
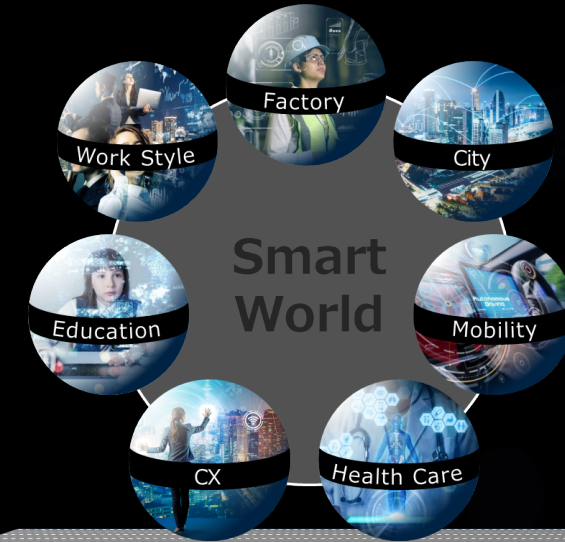
2. Smart Data Platform

Connect data with value

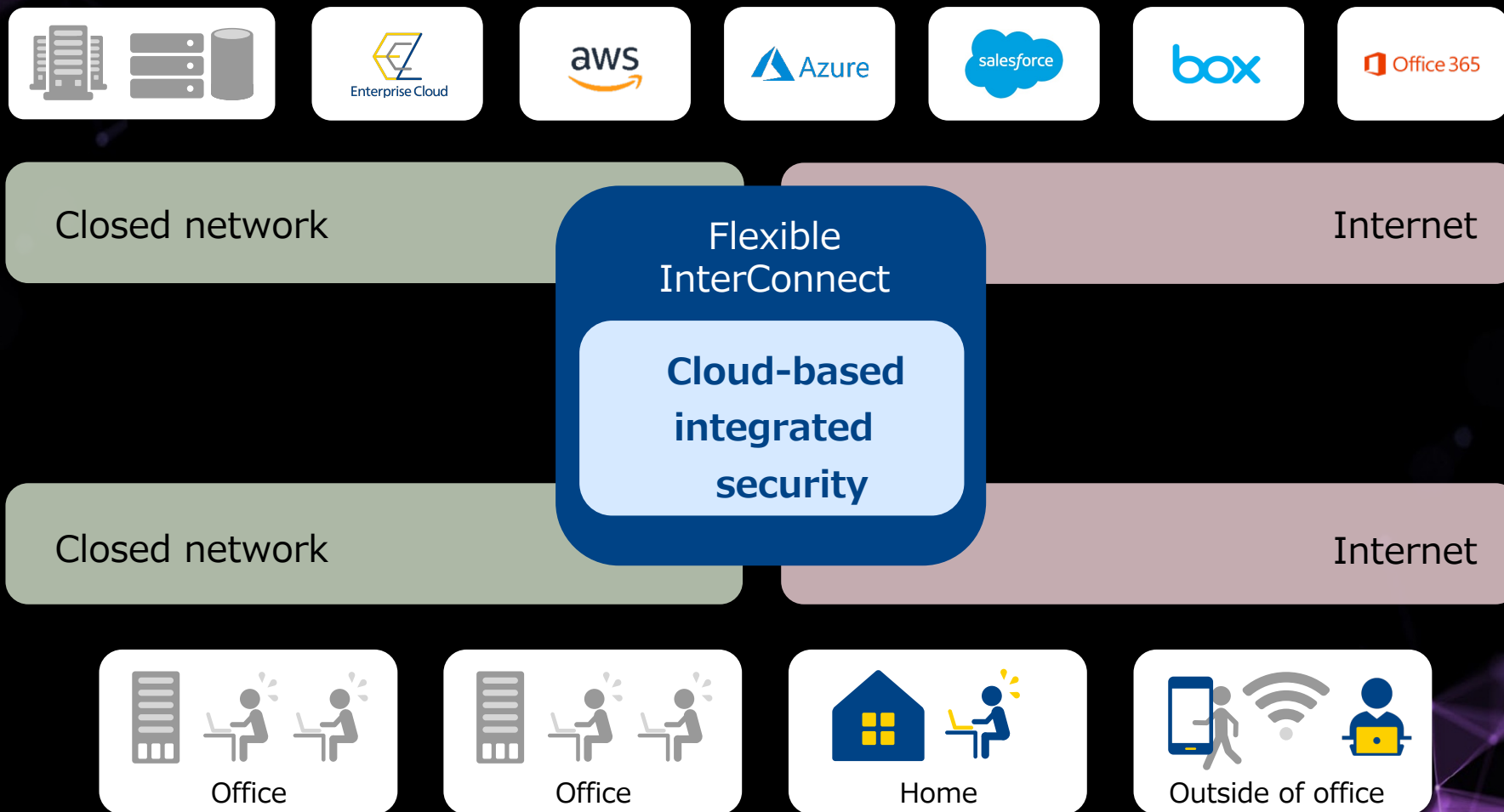
3. ICT infrastructure transformation

For safe/secure/flexible connections

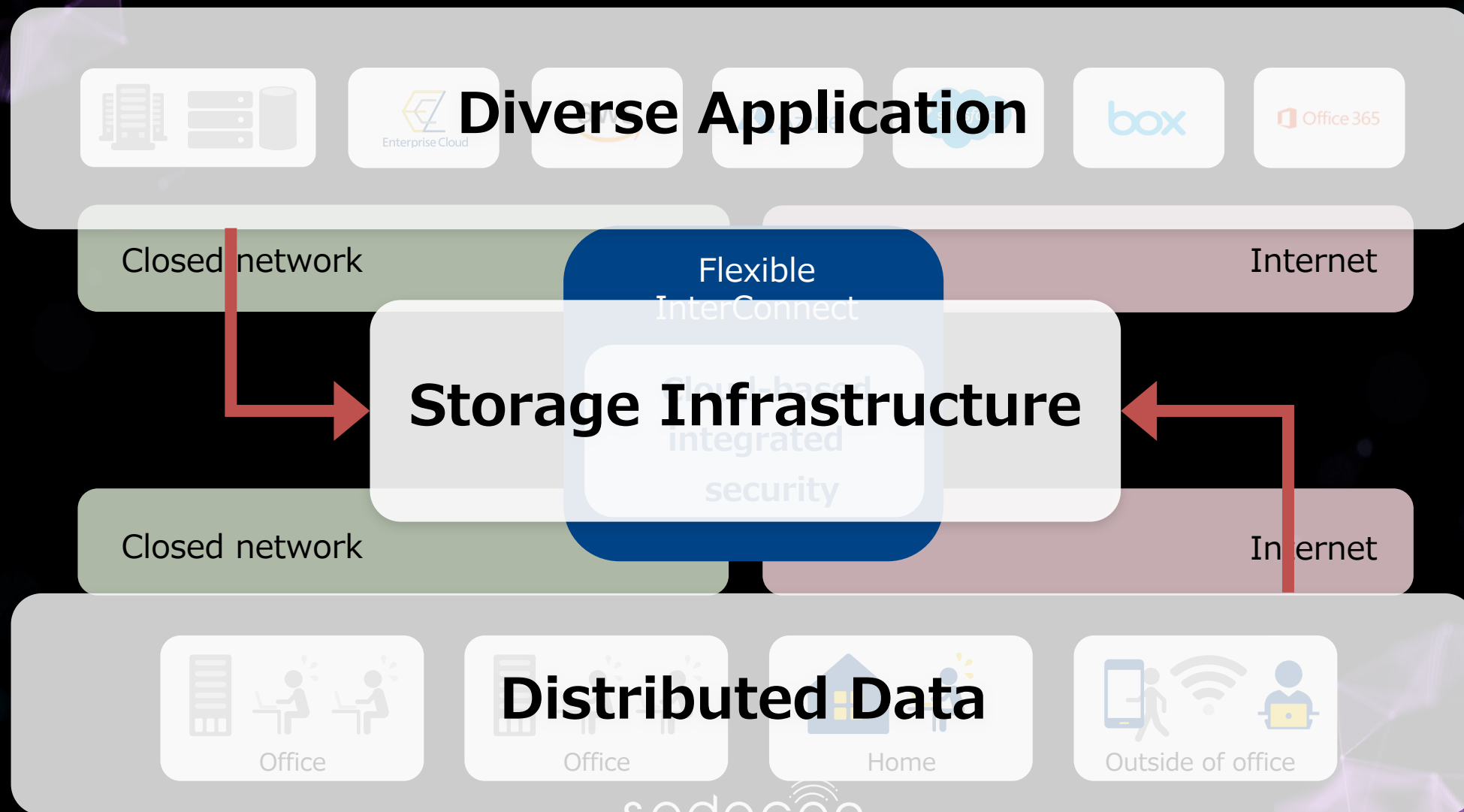
Our own DX



Smart Data Platform: Hybrid Cloud/Solution on Our Network/DC



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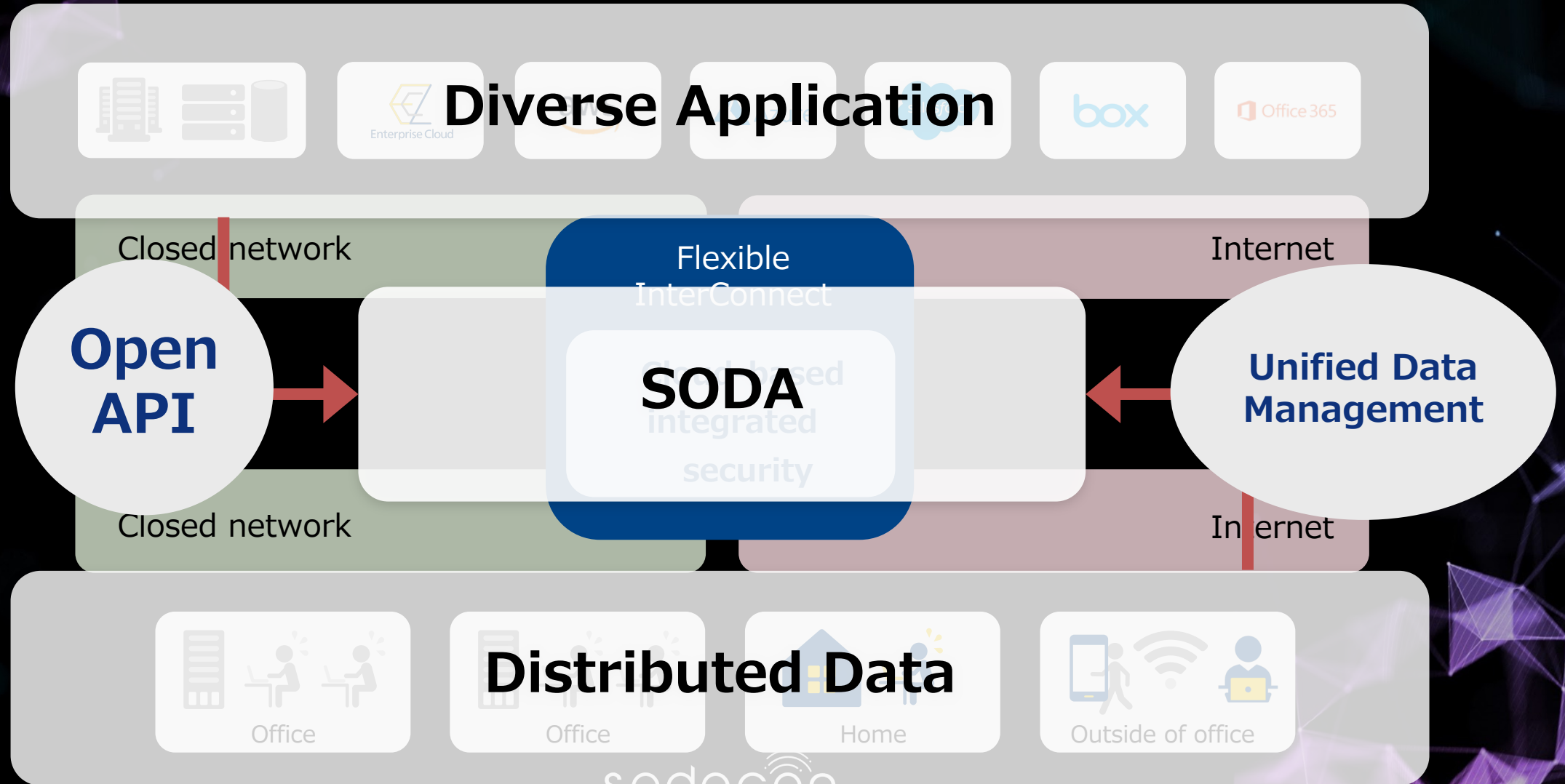


Service Provider Challenges in



- Storage Silo/Lock-in
 - Original Storage Management System for Custom OpenStack, VMware, BareMetal
 - Low Velocity to catch up new cloud features
 - Significant Development Cost
 - Barrier to another Storage Vendor
 - Original Management API deter Customers from utilizing their Data
- Distributed Data across the world and over a long time
 - Data becomes ubiquitous more and more due to 5G and IoT
 - Increased demand for Long term archive

A Use Case in Smart Data Platform



Requirements

- Multi Storage Product Support
 - NetApp, Dell/EMC, HPE, etc.
- Multi Tenancy
 - Isolation among tenants
- QoS Support
 - Throughput/IOPS
- Data Management for Object Storage
 - Hybrid(On-Prem/Cloud), Multi Data Center

Our Activity in SODA Community

- 2020
 - Joined as Premier Member
 - PoC for VMware/NetApp Support
- 2021(Now)
 - Multitenancy Architecture Discussion in Object Storage (Multicloud)

Expectations

- Features
 - More Product Support
 - Advanced Multi-tenancy in terms of Security/Compliance
 - Multi Data Center Capability
 - SODA all-in-one Deploy by K8s Operator
- Community
 - New Members
 - Way to further collaboration with new Eco Project