

CASE STUDY

SD-WAN Consulting, Implementation and Architecture Solution

Client

A leading US-based power service provider spread across North America with 4 DCs, 80+ plant locations, and cloud presence in four regions.

Challenges



Network traffic from all power plants take extra HOP on on-premises DCs to reach to Microsoft Azure via ExpressRoute.



High-cost ExpressRoute and MPLS links for DCs currently being used for this connectivity without optimizing the usage of economic internet links.



DCs are connected to Azure via high-cost ExpressRoute, which needs to be migrated to cost-effective, reliable alternatives.

LTIMindtree Solutions

01

Assessment of existing connectivity and flow of traffic from branch locations to cloud and data center.

02

Solutioning for establishing the best possible connectivity between these locations with the help of Azure vWAN and vHUB.

03

Best practices configuration for optimal usage of links and bandwidth for the flow of traffic.

04

Designing, planning, and implementation of Any-to-any connectivity between data center, cloud, and branch locations.

Business Benefits



Existing extra hop reduction for branch locations to reach Azure cloud reducing latency by more than **100 ms**



Express Route dependency eliminated efforts



Simplified topology with standard configuration, **reducing 50%** of human configuration efforts



Efficient access to workload data presence in the cloud



Advanced traffic management and quality improvement for critical applications with SDWAN



40-80% cost savings by moving away from expensive ExpressRoute circuits and switching to SDWAN Overlay



Migration from complex hub and spoke slower topology to more efficient spoke-to-spoke topology

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