INCREASING OPPORTUNITIES FOR TRANSPORT AND FLEET MANAGEMENT COMPANIES TO DEPLOY CONNECTED AND INTELLIGENT IT INFRASTRUCTURE

Overview

Transport and fleet management companies face unique regional IT challenges which complicate logistics and affect the efficiency of their operations. Regional Australia's diverse geographical landscape demands specific solutions, as network connectivity and data accessibility vary significantly in regional Australia. Data latency becomes a pressing concern when managing fleets across extensive geographical distances. This latency can delay critical decision-making processes and impede real-time tracking and communication.

However, the increasing amount of data needing to be processed in real-time, close to where the data originates from, is creating a real opportunity for new, and innovative transport and fleet management related computing deployments in regional Australia.

Leading Edge Data Centres New England data centre (bottom right) located in Tamworth next to Hunter New England Local Health District's Tamworth Base Hospital.
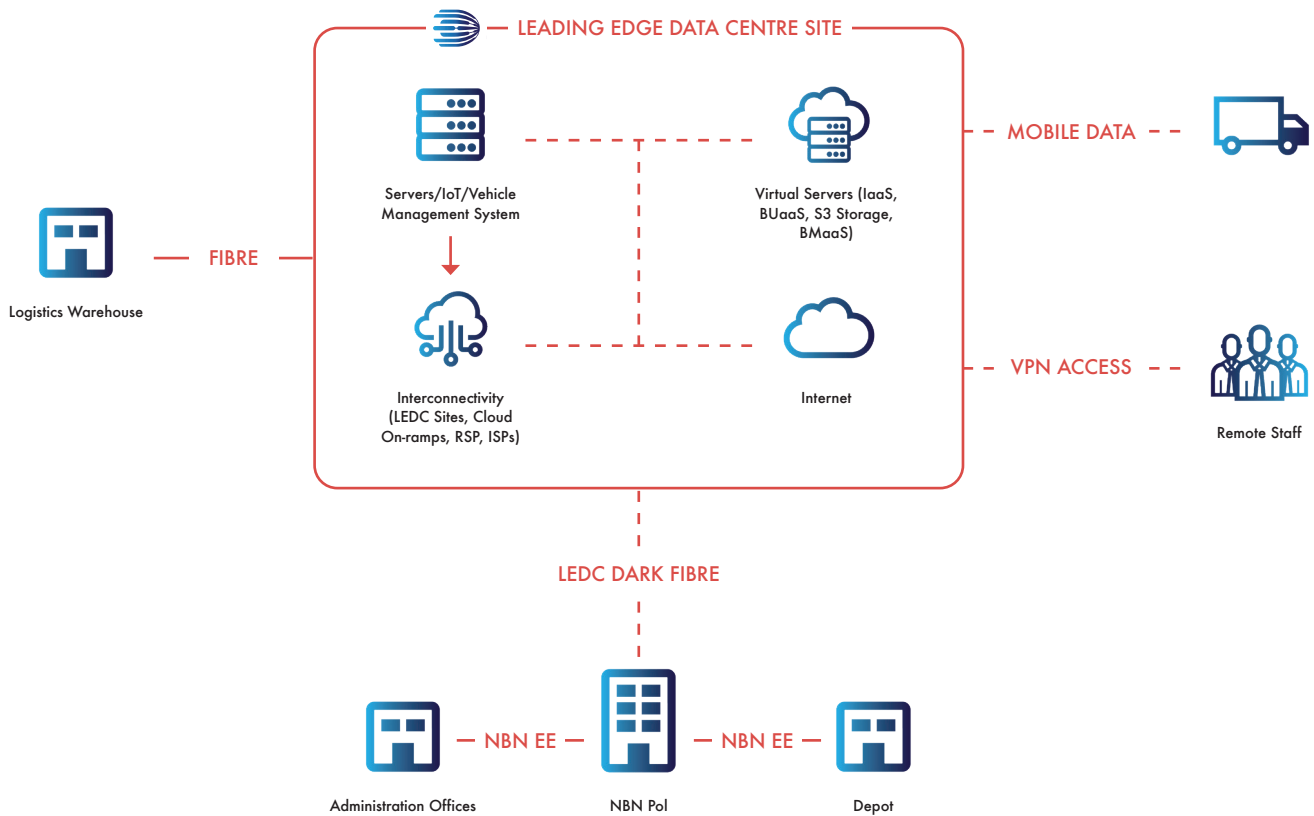
Solution

Leading Edge Data Centres (LEDC) interconnected network of Tier III certified, regionally located Data Centres (DC) across Australia can be instrumental in mitigating the IT challenges transport and fleet management companies face. For instance, computing resources can be offloaded into one, or multiple LEDCs from metro-based clouds, giving the opportunity for transport and fleet management companies to run efficient, intelligent transportation systems such as a fleet of IoVs (Internet of Vehicles) equipped with sensors and software. LEDCs also allow for local data storage and processing, minimising data latency, and enhancing real-time monitoring capabilities that are crucial for efficient transport and fleet management.

Using LEDCs network can also improve network reliability, as the proximity of the DC reduces dependence on metro-based servers and clouds, which can be especially beneficial in regions with poor connectivity. LEDC also simplifies compliance with industry data regulations. They've been constructed with a clear understanding of local laws, so data privacy and security are assured, mitigating the risk of non-compliance. By resolving these regional IT challenges, Leading Edge Data Centres can contribute significantly to the effectiveness of transport and fleet management operations, offering enhanced real-time monitoring capabilities and reliable services.

IT infrastructure Network Example for Transport and Fleet Management Companies

LEADING EDGE DATA CENTRE SITE

Servers/IoT/Vehicle Management System

Virtual Servers (IaaS, BUaaS, S3 Storage, BMaaS)

MOBILE DATA

FIBRE

Logistics Warehouse

Interconnectivity (LEDC Sites, Cloud On-ramps, RSP, ISPs)

Internet

VPN ACCESS

Remote Staff

LEDC DARK FIBRE

NBN EE

NBN EE

Administration Offices

NBN PoI

Depot

Who is Leading Edge Data Centres?

Leading Edge Data Centres is a regional technology company whose vision is to empower regional Australia by providing improved IT infrastructure, connectivity, and cloud services that enable regional businesses to compete and grow.

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