

Convergence Journey



Traditional Telecommunications Provider

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One-Stop-Shop Communications and ICT Provider

Network Challenges

- Customer hesitant to adapt modernisation
 - cloud migration
 - business are technology driven
 - e-transport
- Demanding for quality:
 - low latency
 - Bandwidth
- Pacific Island country footprints
 - Fiji becoming hub for Regional Island countries





VF Network Update

- Capacity Upgrades
 - Radio
 - Transmission
 - Core Network
 - Bearer Network
 - ISP
- End of Life Replacements
- Redundancy Setup
- Network Evolution
- New Network (ICT/Teleco) Solutions
 - Cloud
 - Cashless economy
 - Network CDNs & Peering



Data Core

- Traditional Setup
 - Multiple nodes
 - Traditional O&M
 - Non automation
 - High OPEX

• NFV Platform

- All hosted in a virtualised container
- Unified management for APP & Resource
- Auto-deployment





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Bearer Network & ISP Edge

- Backbone Network
 - End of Life Replacement
 - Capacity Upgrade
 - Routing standards
- Firewall Repositioning
 - Carrier Grade Natting
- Network Redundancy Setup
 - Suva and LTK Data Centre ISP Setup
 - Capacity Upgrades

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Content Caching



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ISP Goals



- Vast majority of content consumed by end-users is available by peering:
 - The major content providers (Google, Facebook, etc)
 - Private cross connects
 - Internet Exchange Points
- Goal is to obtain as much peering as possible.
- Transit will be the last resort, for any content not available by peering



Next!!! - Leveraging ISP Services



• Fiji to be the regional hub for the South Pacific

- Vodafone Fiji operate as a key provider for ISP Services
- Become a Content Provider of Major Events that interest local Markets.
- Both Fiji & Guam have:
 - Large amounts of submarine fibre passing through
 - No open neutral interconnect facility



Online, M-commerce and Digital Payment



E-transport \rightarrow phase 2 of TVM recharge services rollout





E-commerce/online shopping platform \rightarrow online retail

Mastercard integration \rightarrow issuing of virtual cards



M-paisa QR code deployment \rightarrow cash-less payment solutions



