

Sangfor WANO

VSAT Optimization with Sangfor WANO

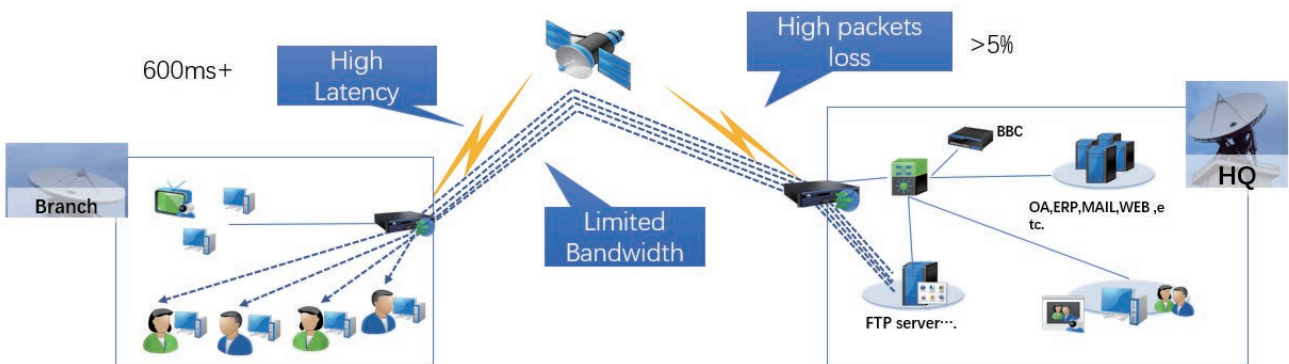


www.sangfor.com



VSAT Network Challenges

Very small aperture terminal (VSAT) is a two-way satellite ground station or a stabilized maritime VSAT antenna with a dish antenna that is smaller than 3 meters. VSAT links are often used for remote areas like islands, plantations, mines or mobile location networks like VSAT car/boat - but VSAT networks have obvious challenges.



High cost

- 1M cost 500-300USD



Limited bandwidth

- Just 128Kb-2Mb



Challenges

Low productivity

- Poor link quality
(600ms+latency, 5%+packets loss)
None-productivities in office time

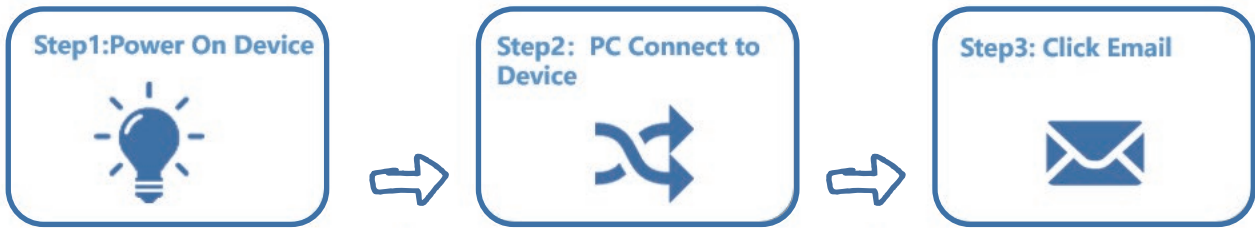


Hard to deploy and manage

- Very faraway from city,
long deploy cycle
High O&M costs



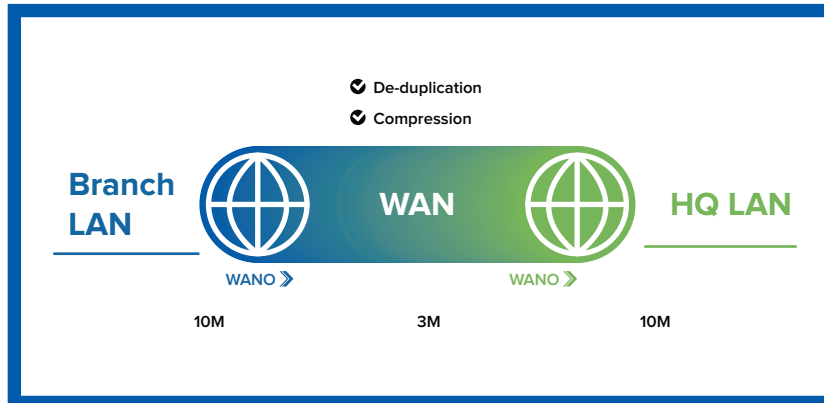
- Data Reduction
- Transmission Optimization
- Application Acceleration
- Zero-touch Deployment
- Centralized Management



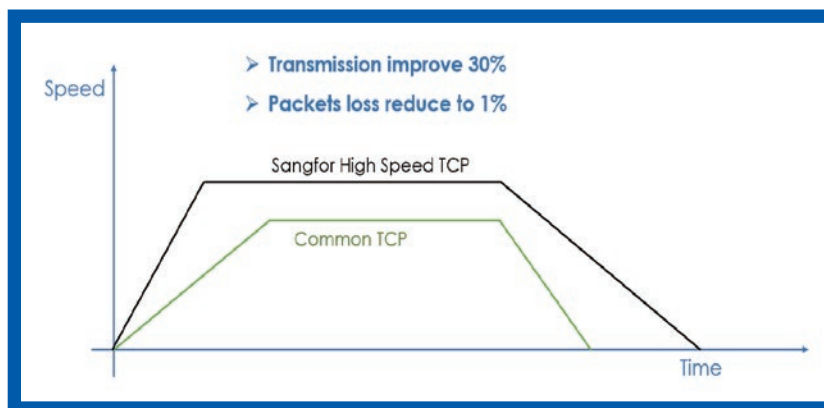
Success Deployment

- ✓ Connect to internet
- ✓ Connect to BBC
- ✓ Configuration synchronize from BBC

Sangfor Zero-Touch is based on email. Staff in branch offices need to complete just three steps to deploy.



With de-duplication and compression features, the data transmission in WAN can be greatly reduced and the link throughput will be enhanced.



Sangfor High speed TCP protocol, based on common TCP, improves 30% of transmissions and reduces packet loss rate to 1% through windows slides.



IT managers simply need to manage all branch devices through a centralized HQ location with full visualization.

Key Values

- Average traffic is reduced by over 70% with bandwidth cost reduced by 50%.
- Speed of core business applications is improved by 3-10 times and user work efficiency improves significantly.
- Simple deployment and easy management.



Background

Tradewinds Plantation Berhad's is one of the largest plantation organizations in Malaysia. Tradewinds Plantation Berhad is listed on the Main Board of Bursa Malaysia with a landbank of 151,850 hectares.



Satellites served 20 sites, sharing 3 Mbps for internet access and web application access from HQ.

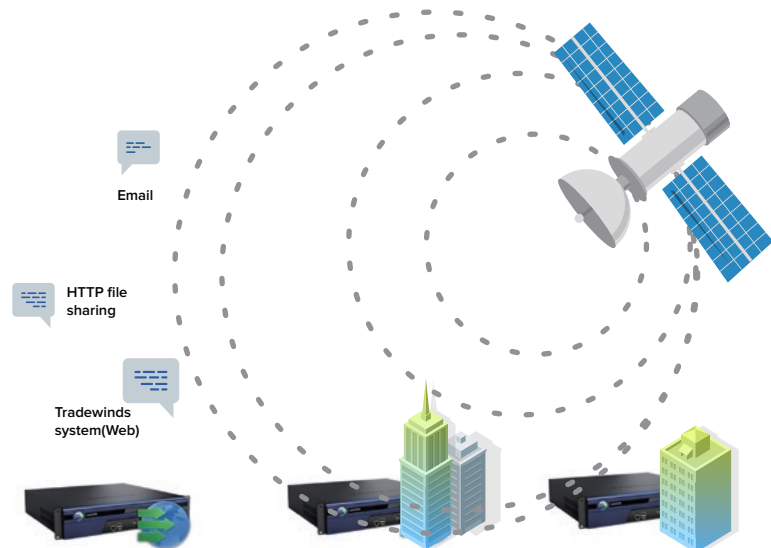


Branch office users frequently needed to generate reports and statistics via web application servers.



Branch office users also made use of the limited Internet connection for internet surfing and video streaming.

Sangfor WANO Solution



- Centralized management of 40 WANO's.
- Reduced web form related traffic up to 90%.
- Enabled bandwidth management to guarantee 70% bandwidth for core applications.

