CASE STUDY

INFAC

INFAC uses WarpEngine™ to increase remote response time where WAN acceleration performance was limited

Customer Description

Established in 1969 in South Korea, INFAC is a robust medium-sized company that specializes in automotive parts and works with some of the world's leading automakers. With remote offices around the world, INFAC's network response times were affecting productivity. Although INFAC has a WAN acceleration solution, it was limited in its ability to improve their network performance.

Customer Requirements

Easy to deploy

Supports source and destination proxies

Higher speed Wi-Fi services

Ability to support underdeveloped and long connections around the world

Customer Results

Optimized TCP traffic and long-distance connections

Significant throughput improvement

Improved productivity of remote office employees

Single-box solution that was easy to deploy and did not affect other appliances on network

The Problem COMPANY EXPANSION OUTPACES NETWORK SOLUTIONS

Usually growth and expanding overseas is an exciting experience for companies, but for INFAC, their slow network connection caused distress. Specializing in automotive parts, INFAC supplies to car and car parts companies; working with some of the world's leading automakers including Hyundai Motors, Kia Motors, Hyundai Mobis, GM, Ssangyong Motor, and Chrysler. INFAC's growth has pushed them to enter overseas markets in China, India, Vietnam, Mexico, and the United States, however, with a centralized computer system, INFAC's biggest issue was their slow response times to remote offices.

Initially, INFAC tried to solve their problem by sending more data through a line extension, but long-distance delay and TCP protocol characteristics limited performance improvement. INFAC's existing WAN acceleration solution was only producing about 900Kbps to North American remote offices and 120Kbps to Vietnam remote offices.

Additionally, BMT's WAN acceleration technology was difficult to install, with equipment at both ends. This caused deployment at every remote office and at the INFAC main office in South Korea. BTM's solution took a lot of time and manpower to ship and install equipment - and it still wasn't delivering the performance they needed to be productive.

Appliance

A scalable network optimization proxy appliance that can handle TCP sessions with little to no overhead. It can be deployed at the customer premise for Enterprise applications, in a Service Provider's core network or in front of hundreds to thousands of servers in a data center.

*Warp*Engine™ Benefits

Scalable network optimization proxy

Handles TCP sessions with little to no overhead

Can be deployed at the customer premise for Enterprise applications, in a Service Provider's core network or in front of 100's to 1000's of servers in a data center

Based on Badu's *Warp*TCP™ technology

Developed specifically to perform in wireless networks

Resources

About *Warp*TCP™technology

About *Warp*Engine™appliance

Free demo of *Warp*Engine™

The Solution *WARP*ENGINE™

After realizing that their WAN acceleration solutions were not capable of maintaining network speeds, INFAC deployed *Warp*Engine™ at INFAC remote offices in North America and Vietnam, as well as headquarter offices in South Korea.

"I decided to introduce *Warp*Engine™ to not only the overseas business sites, but also internal networks," explained INFAC's Choi Oh-Gil, "Improving the work environment of overseas branch users leads to increased productivity."

Compared to INFAC's initial WAN acceleration, *Warp*Engine™ TCP optimization produced speedy and easy testing due to single-box installation instead of two. As a result, *Warp*Engine™ improved long distance performance by up to 40Mbps in North America and 8Mbps in Vietnam. Badu Networks' core technology that powers *Warp*Engine™, *Warp*TCP™, produced improvement by 40 to 60 times, respectively.

Speedsmart	Before Badu's *Warp*Engine™	After Badu's *Warp*Engine™
North America Offices	900Kbps	40Mbps
Vietnam Offices	120Kbps	8Mbps

Additionally, *Warp*Engine™ doesn't affect other solutions in the environment. After installing, BMT confirmed there were no issues with performance and stability on other solutions.

Joe Yoshin, Director of Solution Division of Badu Networks Business in Daou Technology disclosed, "*Warp*Engine™ is the most suitable solution for today's IoT, cloud-era Internet, overseas workplace, and Wi-Fi performance improvement."

About **BADU NETWORKS**

Founded in 2012, Badu Networks has become the market leader in TCP optimization solutions with our patented *Warp*TCP™ technology that delivers up to a 10x improvement in performance and throughput. Our appliance and software products leverage this patented technology to maximize existing network ROI by dramatically reducing webpage load and file transfer times and improving mobile application responsiveness. For more information, visit **www.badunetworks.com.**