



SAP BUSINESS BYDESIGN RUNS FASTER ON ARYAKA

Skullcandy Unplugs MPLS, Achieves 10X Faster SAP Business ByDesign Performance And Solves Telepresence Collaboration Challenges

The Problem

Skullcandy was experiencing latency and resulting application performance problems, particularly in China, Japan and Germany. One of the biggest problem areas involved the company's SAP Business ByDesign deployment, a cloud-based ERP application that performed poorly when accessed from the company's globally distributed offices.

Skullcandy also had problems with its Telepresence application, experiencing slow performance and frequent disconnects due to high latency. File transfers were slow, and performance of the company's project life-cycle management (PLM), remote desktop protocol (RDP) applications, Microsoft SQL Server and SharePoint was unreliable.

Something needed to be done with the holiday season fast approaching and a forecasted increase in customer demand. With eight locations in seven different countries scattered around the world, this was a substantial problem that impacted everything from employee productivity to business execution. Skullcandy went in search of a new connectivity solution and pinpointed several requirements such as faster application performance in addition to minimized and consistent latency that would meet business objectives.

COMPANY PROFILE

Industry: Consumer Goods
Publicly Traded: SKUL
(NASDAQ)
Headquarters: Park City, Utah
Annual Revenue: \$268M

CHALLENGES

- MPLS latency issues created performance problems
- Performance degradation with SAP Business ByDesign ERP and Telepresence
- Slow file transfers
- Unreliable performance of PLM, RDP, SQL Server, and SharePoint
- Expensive bandwidth and limited scalability (MPLS)

SOLUTION

SMART CONNECT
WAN Optimization as-a-Service

RESULTS

- Up to 10x application performance improvement
- Up to 40 Mbps peak bandwidth savings
- As much as 40% cost savings over MPLS
- Up to 93% data reduction across all applications
- Deployment in days vs. months with MPLS
- Real-time network and application visibility

The Solution

To solve global connectivity and application performance issues, Skullcandy deployed Aryaka's SMART CONNECT WAN Optimization as-a-Service solution. SMART CONNECT WAN Optimization as-a-Service combines:

- **Global Private L2 Network:** Bypasses the congested public Internet through a global private network (using an SDN/NFV framework) that delivers consistent latencies and negligible packet loss to provide predictable application performance to users.
- **WAN Optimization:** Delivers up to 40x faster performance for on-premises and cloud/SaaS applications in addition to bandwidth savings
- **SD-WAN Functionality:** Enables dynamic path selection, load balancing, and converged WAN-edge functionality at branch offices with cloud access and VPN connectivity, routing and optimization in a single customer premises equipment (CPE).
- **Real-time Network and Application Visibility:** Offers an end-to-end, fully transparent network and application view.
- **Fully Managed Service:** Includes 24x7 CCIE-level customer support.

Compared to MPLS, Aryaka's SMART CONNECT WAN Optimization as-a-Service offers:

- Faster performance for global cloud/SaaS applications like Office 365, SAP Business ByDesign, Azure, AWS, Salesforce, and others, even in remote locations such as China.
- Up to 40% cost savings.
- Deployment within days vs. the months it takes with legacy solutions like MPLS.

The Results

- Compared to the prior MPLS solution that took months to deploy, Aryaka's SMART CONNECT WAN Optimization as-a-Service was deployed in a matter of a few days.
- The performance problems the company had with its Telepresence solution were eliminated. Application performance improved dramatically while disconnects were no longer an issue.
- Performance for SAP Business ByDesign ERP improved up to 10 times.
- File transfer times decreased substantially, as well as performance and stability of the company's PLM and RDP applications, SQL Server and SharePoint improved.
- Contributing to the above results was as much as a 93 percent reduction in data across all applications. Skullcandy also reports up to 40 Mbps peak bandwidth savings.
- Aryaka delivered 40% cost savings compared to MPLS.
- Skullcandy also gained real-time network and application visibility with Aryaka, something it did not have with the MPLS solution.



After deploying Aryaka, our Telepresence solution is working fine, even in locations like China! File transfers are much faster, our PLM application is reliable, and our cloud-based SAP Business ByDesign ERP performance has increased significantly. Aryaka is helping us uphold our brand by giving us the solution we need to not only respond to customer demand, but to also improve business productivity.

Yohan Beghein, Sr. Network Engineer, Skullcandy

About Aryaka Networks

Aryaka's global SD-WAN provides optimized, software-defined network connectivity and application acceleration to globally distributed enterprises. Aryaka's services have over 10 million users across 4,000+ sites. Leading brands such as Skullcandy, Air China, Freescale Semiconductor, and ThoughtWorks, as well as partners such as Microsoft Azure, Amazon Web Services, Intelisys, and SK Broadband, have all chosen Aryaka for their enterprise-grade networking needs.

