About the Barracuda Load Balancer

Available in four models, the Barracuda Load Balancer is an affordable, scalable and comprehensive solution for intelligently distributing network traffic across multiple servers. Barracuda Load Balancers support up to 250 servers with no per port or per server licensing fees for ultimate network efficiency. The Barracuda Load Balancer offers network administrators reliability, speed and security with cookie-based session persistence, SSL acceleration and network intrusion prevention. Designed to achieve network flexibility and operational reliability, the Barracuda Load Balancer integrates powerful layer 4 or layer 7 load balancing. To minimize ongoing administration, Barracuda Load Balancers receive hourly Energize Updates delivered automatically by Barracuda Central to provide the most current intrusion prevention definition and security updates.

Intelligence Case Study

Ensuring the Availability of UAV Video with Barracuda Load Balancers

In several theaters of operation, streaming-video images captured by unmanned aerial vehicles (UAVs) play a vital intelligence role. Analysts use video streamed from UAVs to make friend-or-foe identifications that guide tactical responses during real-time combat engagements. A policy requiring tactical decisions to be made within 15 minutes from the receipt of intelligence adds further importance to the availability of timely data. When a national intelligence entity’s project team wanted to ensure that analysts around the world receive video streamed from UAVs quickly and reliably, they turned to Barracuda Load Balancer appliances.

Barracuda Load Balancers are purpose-built to prevent latency during data delivery. A Barracuda Load Balancer does this by intelligently distributing traffic across a server pool to prevent congestion from occurring at any server, which would slow data traffic. The Barracuda Load Balancer also provides failover in case a server fails adding a layer of high availability to the server pool. To further prevent latency, Barracuda Load Balancers are unique in providing direct-server return. Under this option, the load balancer manages the flow of low-bandwidth requests to servers, while high-bandwidth responses are routed directly from the server to the recipient — without going back through the load balancer. Ensuring the load balancer does not become a bottleneck, this feature is of particular importance for the timely delivery of bandwidth-intensive services like streaming video, ideal for any surveillance program.

Initially, the project team repurposed some Barracuda Load Balancers the intelligence entity already had in inventory from a previous initiative. Impressed with the Barracuda Load Balancers’ performance, ease of use and affordability, the project team decided to specify Barracuda Load Balancers as the load balancer of choice for this program. This entity has since equipped datacenters in numerous theaters of operation worldwide with model 640 Barracuda Load Balancers. Highly responsive to intelligence and defense organizations, Barracuda Networks’ engineering team is engaging with this entity’s IT staff to custom tailor Barracuda Load Balancer technology to the entity’s special requirements.

About Barracuda Networks Inc.

Barracuda Networks Inc. combines premises-based gateways and software, cloud services, and sophisticated remote support to deliver comprehensive security, networking and storage solutions. The company’s expansive product portfolio includes offerings for protection against email, Web and IM threats as well as products that improve application delivery and network access, message archiving, backup and data protection.

Coca-Cola, FedEx, Harvard University, IBM, L’Oreal, and Europcar are among the more than 130,000 organizations protecting their IT infrastructures with Barracuda Networks’ range of affordable, easy-to-deploy and manage solutions. Barracuda Networks is privately held with its international headquarters in Campbell, Calif. For more information, please visit www.barracudanetworks.com.