



GAME FLIER LEVERAGES LAYER 7 SCRIPTING AND DDOS PROTECTION TO BOOST PERFORMANCE

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Rick Ku | MIS Assistant Chief, Game Flier



CASE STUDY

COMPANY

Game Flier

INDUSTRY

Online Gaming

NETWORK SOLUTION

A10 ADC



Game Flier is a leading online gaming provider in Taiwan. The company has 300 employees and 10,000 to 20,000 connections inside its Web portal server at any given time. To optimize response time for its Web portal systems, Game Flier's network is structured as a server farm. At the front of the servers, Game Flier has existing network infrastructure including routers, switches, firewalls, and intrusion detection/intrusion prevention (IDS/IPS) appliances.

With online gaming customers increasing, Game Flier needed a server load balancer solution to ensure that its Web portal's applications are always available, scalable for new users and performing to deliver the best possible experience for its customers. Upon initial evaluation, traditional server load balancer solutions were not able to improve the performance of Game Flier's gigabit throughput network, which could create network bottlenecks during online game use that are unacceptable to the customer.

SOLUTION

Game Flier selected A10 Networks® Application Delivery Controllers (ADC) because it provides the highest performance on the market at the most competitive price. The A10 ADC is the first family of server load balancers that is tuned for multi-core CPU systems and capable of handling today's bandwidth intensive and high volume applications such as Game Flier's Web portal system.

A key A10 ADC feature for Game Flier is the aFleX® advanced scripting tool that customizes policies to manipulate Layer 7 traffic, which can eliminate traffic bottlenecks during peak usage conditions. aFleX is based on the industry-standard TCL programming language and does not suffer from performance degradation when numerous features are turned on, due to A10 Networks' scalable Advanced Core Operating System (ACOS®) architecture that is tuned for multi-core CPUs.

In the future, Game Flier will activate the A10 ADCs' DDoS protection feature to provide a second layer of protection for its server farm. aFleX will also be activated to examine HTTP packets and delete any information that is insecure.

SUCCESS

Since deploying the A10 ADC, Game Flier's Web portal servers have been performing as desired, especially during peak usage conditions. The A10 ADC is fronting the portal's infrastructure to increase Web server efficiency, maximize Web application delivery, scalability and performance and create a favorable online gaming experience for its customers.

"We chose A10 ADCs because it is the best price/performance server load balancer on the market and the first in the Web application delivery market that is tuned for multi-core CPU systems," said Rick Ku, MIS assistant chief for Game Flier. "The A10 team is staffed with Layer 4-7 networking experts that carefully designed the server load balancing solution that is tuned for our exact needs. As a result, we have the best server load balancer technology on the market, and our customers are happy with our application speed."

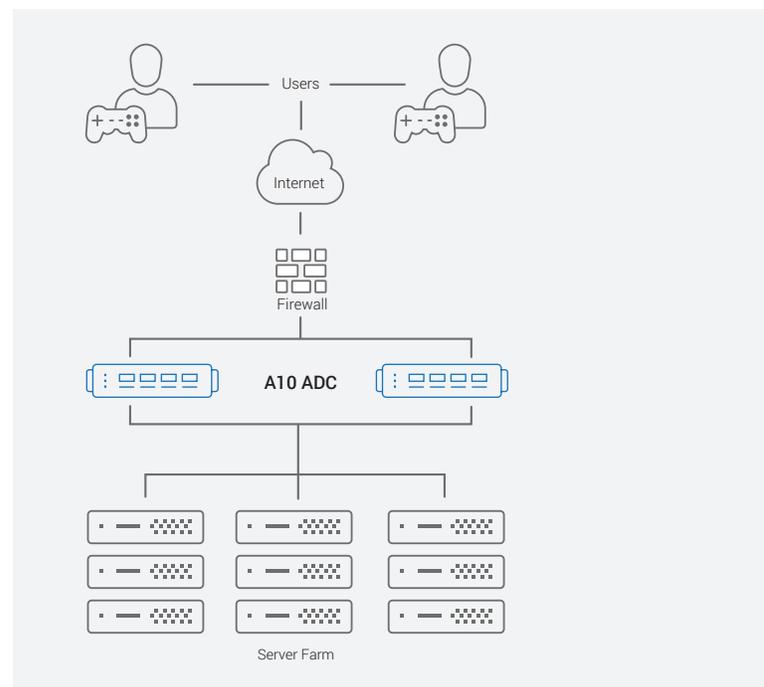


Figure 1. Game Flier's data center



A10 THUNDER ADC

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ABOUT A10 APPLICATION DELIVERY CONTROLLERS

A10 ADC is a scalable, high-performance application networking platform that delivers enterprises, web properties and Internet Service Providers (ISPs) with superior reliability and an energy-efficient footprint for low total cost of ownership (TCO). With A10 ADC, customers of all sizes benefit from application availability, scalability and performance, increased infrastructure efficiency and a faster end user experience. The A10 ADC has a comprehensive Layer 4-7 feature set and flexible virtualization technologies such as A10 Networks aVCS™ Virtual Chassis System, multi-tenancy and more for public, private and hybrid cloud environments. In addition, A10 leads in IPv6 migration technologies with many large-scale deployments worldwide.

A10 ADC delivers an industry-leading return on investment (ROI) by leveraging A10's 64-bit Advanced Core Operating System (ACOS), with a scalable shared-memory parallelism architecture that surpasses the competition in scalability and flexibility.

For more information, visit: a10networks.com/adc

ABOUT A10 NETWORKS

A10 Networks (NYSE: ATEN) is a Secure Application Services™ company, providing a range of high-performance application networking solutions that help organizations ensure that their data center applications and networks remain highly available, accelerated and secure. Founded in 2004, A10 Networks is based in San Jose, Calif., and serves customers globally with offices worldwide.

For more information, visit: a10networks.com or tweet [@A10Networks](https://twitter.com/A10Networks).

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