

About CBCX BETTING TECHNOLOGIES

CBCX is a leading international provider for high-quality solutions for sports and live bets, races (dog racing, horse racing, etc.) and online games (Keno, PokerBet). CBCX provides software for installation on customer owned equipment as well as custom betting terminals.

Currently CBCX deploys three Barracuda NG Firewall F800 appliances, two in a hot cluster and rolled out 10,000 Barracuda NG Firewall Remote Access VPN clients in 14 European countries.



Barracuda NG Firewall Cost Efficiency at a glance

- Extendable Barracuda NG systems offer companies sustainable investment protection.
- Unique management functions allow for quick and efficient roll-outs.
- Central management lets you save significant time and effort.
- Unique license and appliances/ server hardware combination lets you achieve a maximum of flexibility and cost optimization.

Betting company connects thousands of remote betting terminals

CBCX BETTING TECHNOLOGIES uses Barracuda NG Firewall Network Access Client

In 2005, after having successfully rolled out the predecessor of the current Barracuda NG Firewall to connect the headquarters locations to several remote offices and the datacenter, CBCX faced the problem of how to reliably connect its new line of betting terminals deployed across Europe.

Hardware appliance not a viable solution

CBCX determined that hardware based VPN solutions - even low cost - are typically more expensive to roll out and maintain compared to a full centrally-managed client. Since CBCX had plans to scale the business to tens of thousands of remotely connected terminals, it was more reasonable - and cost effective - to use a software installed VPN client. In addition, customers are not obligated to purchase a CBCX betting terminal for their organization, but can instead provide their own terminal or other standard hardware. These reasons in addition to ensuring a reliable and encrypted connection to the CBCX datacenter that does not interfere with occasional Internet or email access effectively ruled out using a hardware-VPN solution.

“With up to 10,000 remote VPN clients connected to the datacenter Barracuda NG NAC client’s built in traffic compression significantly reduces subsequent bandwidth needs in our data-center.”

-Technical Director Software Development, CBCX

Class leading central management

All of the remote network access clients connect to a hot cluster of powerful Barracuda NG Firewall F800 appliances. This allows for an unlimited number of VPN clients to connect to the datacenter. For each remote client or per client group a centrally managed firewall policy is enforced. This ensures that CBCX betting terminals only connect to the datacenter, while standard PCs or other customer-provided equipment can be more flexible based on customer specifications. With a customer base of hundreds of operators and 10,000 betting stations, ongoing security policy updates need to be implemented cost effectively and quickly, with the least amount of administrator overhead. The Barracuda NG Control Center allows the administrator to centrally manage, implement and deploy any required changes with only a few mouse clicks through a native and easy to operate windows user interface.

NG Pathfinder technology

With built-in NG Pathfinder technology for Barracuda NG Firewall NAC clients, before the actual connection request to a server happens, clients probe availability and load of its assigned remote access servers. After a short delay within a couple of milliseconds the clients then establish a secure remote connection to the server instance with the fastest response time. This effectively enables Barracuda NG Firewall clusters to handle large numbers of requests of remote access clients during peak times. Additionally, Barracuda NG Firewall F800 and F900 models include built-in SSL and VPN accelerators to significantly reduce the load on the system during times of high VPN tunnel initiation. This combination of hardware power and software intelligence enables CBCX to reliably support thousands of remote network access clients with just a hot pair of 1U Barracuda NG Firewall F800 appliances.

About Barracuda NG Firewall Network Security

The Barracuda NG Firewall is a line of hardware and virtual appliances designed to protect network infrastructure, improve site-to-site connectivity and simplify the administration of network operations. The platform can be centrally managed, across all enterprise network locations, including remote, home and branch offices, as well as regional headquarters and datacenters. Administrators can manage security, content and traffic management policies from a single interface via the Barracuda NG Control Center. The centralized security management and content policy provides a number of benefits including:

- Consistent security posture and policy enforcement across the enterprise
- Real-time accounting and reporting across multiple gateways
- Comprehensive history and rollback of configuration and policy changes across the network
- Centralized version control of anti-spam, anti-virus, Web filter and network access control updates

In addition to its powerful network firewall and VPN technologies, the Barracuda NG Firewall integrates a comprehensive set of next generation firewall technologies, including Layer 7 application profiling, intrusion prevention, Web filtering, anti-virus, anti-spam and network access control. Hardware models range from the micro branch office up to the large headquarters and datacenters, and a corresponding offering of virtual appliances.

Traffic compression

All Barracuda NG Firewalls remote network access clients apply powerful stream as well as packet-based compression algorithms to the transferred VPN traffic. Peak compression rates of up to 75% and sustainable average compression rates of 50% significantly reduce the bandwidth requirement at the endpoint. Considering several thousand remote clients connecting to a datacenter, traffic compression is a significant operational advantage.

Leading stability and proxy compliance

Currently CBCX operates approximately 10,000 remote betting stations and terminals in 14 countries across Europe. A betting terminal that is not connected to the datacenter doesn't generate revenue. Unhappy clients can refactor a betting terminal to connect to another provider of sports betting services within a few hours. This constant threat requires established, always-on connectivity as well as the ability to react to changes in the marketplace and customer requirements quickly. Hence VPN networks stability, the ability to establish a secure VPN connection even when located behind a Web proxy as well as persistent and ultra-fast reconnection upon involuntary short-term network loss convinced CBCX to select Barracuda Networks and NG Firewall Network Access Clients as a strategic partner for years to come.

About Barracuda Networks Inc.

Barracuda Networks Inc. combines premise-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.

“Centrally managed client firewall and pathfinder technology allow tailored security policies per customer and reliable VPN connections.”

-Technical Director Software Development,
CBCX