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Must Haves for Modern Enterprise Firewalling



Firewall Acting as Troubleshooter – not as troublemaker!

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There are a lot of products analyzing firewall log files and organizations spend a lot of money to essentially understand what the firewalls are doing. Barracuda's NG Firewall products were developed to be loved by administrators. They tell them everything they want to know within a few mouse clicks.

With Barracuda Networks, you gain full visualization of your firewalls, VPNs, proxy active connections, historical access cache and tunnel status.

Hence you have an efficient control with easy and transparent configuration and administration for all security devices in the entire corporate network!

Next Generation Firewall technology at its best – from Barracuda Networks!





“Ideally, the firewall is a component that fulfils its tasks without being noticed at all. This is precisely the case with the Barracuda solutions, especially when it comes to managing very large firewall clusters.”

Dr. Helmut Gratl, Allgemeines Rechenzentrum (ARZ)



“We needed a total solution that linked up all key security, connectivity and management functions. Barracuda was the only provider in a position to provide this kind of sophisticated solution in the time available.”

Jürgen Kahdemann, EADS

Efficient Protection against Skype & Co – don't let yourself be cheated!

Have you ever considered that you might pay the same high bandwidth costs for non-business-critical traffic as for business-critical traffic? Surprised to hear that your SAP applications are competing in your WAN with BitTorrent downloads and giving Skype priority?

Keep your peer-to-peer traffic under control through detecting, blocking and shaping peer-to-peer traffic such as Instant Messaging & Skype!





Granular Control with Highest Performance – achieve “Clean Bit” in your cloud!

How do you segment your LAN without losing performance but increasing security? With 10 Gbit Barracuda's NG Firewall is high-speed analyzing and decoding every single bit. Additionally it provides SSH and FTP gateways and user authentication against directory services (MSAD, LDAP, Radius, RSAACE) for all applications to keep server LANs clean!

The EAL4+ level attained by Barracuda's NG Firewall corresponds to one of the highest certification levels for firewalls and even exceeds the normal market standard by an additional “+”.

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“With Barracuda we now have an efficient IT infrastructure which is equipped for future usage!”

Dr. Georg Lechleitner, tiak

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3G/Wireless Access Integrated in your Firewall Appliance –

Be protected against often forgotten enemies of online communications!

The online communication can be damaged not only by successful hacker attacks. Interruptions often occur when wires are cut by mistake during construction work. Every 20 seconds one wire is cut by mistake during construction work. Or – as was the case in Japan – crows use wire covering for building their nests and anchor hawsers destroy underwater cables. The list of accidental damage to wires and cables could be continued.

On top of this, natural catastrophes such as seaquakes can also disrupt Internet communications. And even simple operating errors by a provider can bring entire regions to a standstill. Barracuda Networks was the first enterprise firewall vendor that stood up against this threat and integrated 3G/Wireless Access in its security appliances. The integration of UMTS is the ultimate answer to cable damage and upholds communications, even in cases of total line failure.



“We are very pleased with the traffic intelligence, multi-provider and multi-link functions in the Barracuda NG Firewalls. We achieve the highest levels of availability and service quality without having to purchase numerous service level agreements for other products.”

Dipl.-Ing. Dr. Clemens Chizzali-Bonfadin, RHI AG



Traffic Intelligence System – ensures availability and cost efficiency!

“The Traffic Intelligence technology developed by Barracuda Networks protects the most important applications, but also keeps the less important ones available by taking care of smart traffic distribution functionalities among dedicated lines – xDSL, ISDN, satellites, UMTS or Multi-Provider Uplinks.

Traffic Intelligence provides impressive answers for various WAN protection & optimization scenarios and its usage is increasingly developing to become the industry standard. The controlled and highly efficient interplay of powerful VPN technologies, firewall traffic analysis and routing capabilities permits the requirements of corporate applications and their cost optimum to be addressed with maximum effect. Traffic intelligence permits redundant corporate connectivity and application-based load balancing via many provider links. This allows organizations to achieve secure, cost-efficient and failsafe network structures.

Traffic Intelligence increases link quality and reduces your costs!

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Dynamic Application-based Bandwidth Management – A mighty tool to achieve Quality of Service in your cloud!

Barracuda Networks does not only care for smart distribution of applications on different lines. Instead the applications can be prioritized within the different lines. Moreover, a change in availability will dynamically redistribute the traffic and also adapt the prioritization parameters.

That means: If one or more line fails, traffic will be redistributed to achieve maximum business connectivity within the available bandwidth resources.

Secure Web Access for your Cloud –

Permit Internet access locally instead of routing it all through the WAN!

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If using local Internet providers to connect branch offices, why not run all content security services at the branch offices and permit Internet access locally instead of routing it all through the WAN?

You might express some reservations expecting detrimental impacts on security and operating costs, but with Barracuda's central configuration management you'll be able to run distributed web filters as if they were just ONE single web filter. You therefore get a better user experience, a more robust infrastructure and less WAN traffic.

So by using the Barracuda NG Firewall, companies can utilize distributed secure web access at every branch office – without loss of security and manageability for all security infrastructures with remotely located content.

Barracuda's powerful NG Control Center and comprehensive content security functions not only assure a high degree of security, they also boost overall efficiency and bring significant cost cuts.



Site Licenses for Content Security Products – One corporate license for all devices!

Distributing Internet access all over your WAN and running content security services locally doesn't mean that your license handling has to become more complex.

Barracuda's unique site-license model ensures that companies do not incur any additional expenses, no matter whether antivirus scans or dubious Web sites are run or blocked at 20 or 200 sites. All devices in the WAN are protected with one single content security license.



“We can conduct all configurations for our various locations directly at headquarters without any additional staff expenditure. Our experience with the Barracuda NG solutions has convinced us that we have made the right decision.”

Manfred Prehsegger, Bergland Milch

Unified Remote Access and NAC –

IPsec, SSL, NAC, health check validation,
identity management, transparent
SSL and 802.1x in one solution!

Whether it's possible to handle your mobile users differently depending on their connection origin (VPN, SSL VPN or internal network)? And what can you do if road warriors need to authorize at a hotel portal before they can establish a secure connection?

Barracuda combines the benefits of IPsec and SSL-based access methods through combining its client security solution and VPN technology with health check capabilities and remedial services. Users have secure access to enterprise resources through a combination of technologies that allows them to work through Internet kiosks, secure notebooks, their desktops and home offices.

So wherever your clients come from, whether they're managed through your own IT department or whether they access the network using other equipment – the Barracuda Network Access Control solutions include IPsec, SSL, NAC, health check validation, Identity management, transparent SSL and 802.1x. In other words – **it's all one solution.**

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Extraordinary Powerful Management – Keep all services on all locations under control!

Is it possible to keep all those differing security services, many at different locations, under control? If the hardware fails, do you have to travel around to recover each and every config file? Can you troubleshoot at remote locations without skilled staff? And what if the terrestrial connections break down?

Barracuda NG Control Centers, and a highly integrated troubleshooting architecture, eases your pain by a management tunnel that's independent of site-to-site VPN tunnels, a device reanimation by SMS remote control, a one-file backup for all security gateways and a one-click configuration update after recovery that even includes the network adapter's MTU size.



“The centralized management concept and the high scalability have already shown immense advantages in technical as well as in economic terms.”

Harald Messner, Sanochemia Pharmazeutika AG

Comprehensive History and Error Correction Capabilities – for complete revisioning of all configuration stages!

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How many nights have you already wasted documenting all the various configuration changes someone has made to your corporate network security setup?

Have you ever wanted to undo changes by a quick rollback to a previous setup that worked well?

Have you ever wanted to be faster at providing a complete security configuration change report than the management assistant is when serving coffee to the auditors?

Barracuda's Revision Control System (RCS) is integrated directly into the security architecture. The advantage lies in the absolute reliability and completeness of the recorded configuration changes, which brings major benefits both for resolving faults and also in provability. In addition, reports can be generated for the entire configuration or parts thereof, and this also facilitates an easy jump back to a tried and tested configuration.





“The people working at Barracuda understand their work and know how to convey their expertise.”

Jürgen Mayershofer, Erwin Müller Versandhaus GmbH

Unique Monitoring and Observability Features – know immediately what happens in your entire large-scale infrastructure!

From command centre-like views to detailed information on any security device and incident, Barracuda’s NG Control Center provides the user with any information needed.

Regardless how deep one wants to dive into the sea of information about the traffic and data – it’s only three mouse clicks away.

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