



## ENTERPRISE DATA CENTER SECURITY

Big data, everything-as-a-service, cloud and mobile put higher demands on your data center than ever before. And, the attacks on your network have gotten more sophisticated than ever. Balancing your security with the speed that you and your company needs to perform can be a delicate dance. This is why you need the most sophisticated and up to date security available.

High performance, high capacity firewall technologies offer the scalability, flexibility and protection that you need to prevent intrusions and malware while allowing your network optimum performance. It's vital to explore the solutions available for the best possible network defense.

### CHALLENGES OF THE MODERN DATA CENTER

That data center remains at the heart of any enterprise, but there are new challenges that make it more difficult than ever to keep it secure. Among the trends creating new challenges:

- Cloud Computing and Software-Defined Networking. Your data no longer “lives” just inside your business’s walls. Organizations of all sizes are taking advantage of cloud services. These services allow you to have as much or as little capacity as you need. However, they mean that your data center has to support integration with external applications and greater access from third parties.
- BYOD and Smart Devices in the Workplace. Tablet and smartphone is eclipsing PC usage. This means an explosion of data requiring higher speeds than ever. And, it means a wider array of devices, each in the hands of individual employees, connecting to your network.
- Continually increasing computing capacity. Moore’s Law says, roughly, that computing capacity doubles about every two years. At this pace, it means that the challenges your enterprise encounters get geometrically more difficult as time goes on. You need the scalability to handle this smoothly.
- A need to simplify. While many technologies can make networks more complex, it’s in the interest of your enterprise to make your network itself and the security you implement as simple as possible.

When you choose security for your data center, it needs to be equal to all of these challenges and more.

## UNDERSTANDING THE ENTERPRISE NEEDS

You need the ability to deploy security services as needed without compromising performance. In a recent Fortinet survey of IT professionals, they said that they required the following from their firewall:

- Faster speeds. The ability to handle output over 100+ Gbps was a must.
- Agility. IT security professionals stressed a need to add additional security as necessary without affecting performance.
- Consolidation. Security technology, to be effective and easy to use, should be consolidated into fewer platforms.
- Better performance of multi-function security technologies.
- VPN performance. With many functions handled remotely, the ability to handle these connections and give varying levels of trust is vital.

Implementing a high-performance firewall can allow IT professionals to address all of these needs and continue to see them handled in the future, no matter how much the needs of the business change over time.

## IMPLEMENTING THE BEST DATA CENTER SECURITY

Your firewall choice is only part of high quality data center security. An analysis of the stakeholders, risks and future challenges is also vital to success.

Assess the security practices for your IT staff and all other employees with access to the network. This can include physical access in your facility and virtual access through mobile devices, VPNs, cloud services and SaaS vendors.

Consider your current networking needs and how they will change and grow in the future. Look toward data center security solutions that will grow with your organization.

Finally, look at the results that your security solution of choice has provided others. Read case studies and reviews.

By doing your due diligence, you can keep your network safer over time, protecting your valuable data from incursions.

## THE BEST SOLUTIONS ON THE MARKET

Three of the best-performing data security solutions on the market come from Fortinet, vArmour and Cisco. Which of these is the right fit for you will depend on your enterprise's unique network security needs.

Fortinet has two alternatives, their Data Center Edge Firewall and Data Center Core Firewall.



***Fortinet Edge Firewall's advantages include:***

- Consolidation of multiple perimeter or edge devices.
- Network segmentation by trust level, location and business function.
- IPS, VPN and NGFW capabilities.

***Fortinet Core Firewall's advantages are:***

- Switching, stateful firewall and routing and nearly wirespeed.
- High port density.
- High throughput and low latency.
- High speed ports (10/40/100G).

***vArmour DSS Distributed Security System provides the following advantages:***

- Network visibility
- APT Prevention
- Broad Security Across Multi-clouds
- Environmental Separation
- Compliance Assurance
- Rapid Breach Detection and Forensic Investigations

***Cisco's offerings are offered through a quartet of options, depending on the application:***

- Cisco Secure Enclave Architecture
- Cisco ASA Clustering with Fire POWER Services
- Cisco Cyber Treat Defense for the Data Center
- Cisco Threat Management with NextGen IPS

By taking a threat-centered approach, Cisco secures data center assets, virtual machines, endpoints and cloud before, during and after attacks, keeping your network safe and protecting against future incursions.

## **WHY THIS MATTERS NOW**

The networking capabilities needed and the threats to those networks are only going to increase. By using the firewalls provided by Fortinet, vArmour or Cisco, you can offer your enterprise:

- higher levels of security that evolve with new threats.
- faster networking speeds.
- agile options that allow you to add new security on the fly when needed.
- the ability to give the access that is needed with the level of trust that protects your enterprise best.

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full service, customer centric  
IT solutions provider.**

**Why WEI? Because we care.  
Because we go further.**

At WEI, we're passionate about solving your technology problems and helping you drive your desired business outcomes. We believe in challenging the status quo and thinking differently. There are a lot of companies that can take today's technology and create a great IT solution for you. But we do more. We go further. And we have the customer, vendor and industry awards to prove it. WEI is a premier technology partner, who always puts our customers first while providing the most innovative solutions for over 25 years.



## TALK TO WEI TODAY


*WEI has a staff of experts that can help you determine what will work best for your organization. Call us today to set up a call with our team.*

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 [info@wei.com](mailto:info@wei.com)

 800.296.7837

 [www.wei.com](http://www.wei.com)

 43 Northwestern Drive  
Salem, NH 03079