



NASDAQ OMX®

NASDAQ OMX turns to Fortinet for High Performance Data Center Security

Business Challenge:

NASDAQ OMX (NASDAQ: NDAQ) is a leading provider of trading, exchange technology, information and public company services across six continents. Through its diverse portfolio of solutions, NASDAQ OMX enables customers to plan, optimize and execute their business vision, using proven technologies that provide transparency and insight for navigating today's global capital markets. As the creator of the world's first electronic stock market, its technology powers more than 70 marketplaces in 50 countries, and 1 in 10 of the world's securities transactions. NASDAQ OMX is home to more than 3,300 listed companies with a market value of over \$8 trillion.

NASDAQ OMX's world-class IT infrastructure is able to process more than 1 million messages per second, with sub-55 microsecond average speeds. Because today's financial services firms are constant targets of cyber attacks, they are always concerned about ensuring system uptime and availability. High speed performance is not enough – uptime and strong security are mission critical. Leveraging the latest in advanced malware and intrusion protection and cutting edge firewall design, NASDAQ OMX uses Fortinet's solutions to help protect terabytes of data from hackers and malware.

Details

Customer Name: NASDAQ OMX

Industry: Financial Services

Location: HQ: New York;

60 locations in 26 countries

Business Impact

- High Performance Data Center firewalling to eliminate network bottlenecks
- Advanced security services to provide protection against a myriad of threats
- Robust management features to reduce security complexity and simplify control

"With a network like ours and the demands that are placed on it, there is no room for second-best security. Fortinet delivers high-performance enterprise firewalling that enables us to drop malicious traffic and allow legitimate traffic in so the business can keep running."

– Mark Graff, Global Chief Information Security Officer, NASDAQ OMX

Solutions & Results:

Fortinet FortiGate 3600C High Performance, Next-Generation Firewalls are used as the first layer of perimeter defense at the heart of NASDAQ data centers. Purpose-built by Fortinet, the FortiGate 3600C delivers superior performance through a combination of custom hardware, including FortiASIC™ processors, high port density, and consolidated security features from the FortiOS™ Operating System. Unlike other next generation firewalls, the FortiGate-3600C also includes additional security technologies such as Antimalware, Web content filtering and WAN Optimization.

High density 10G interfaces allow connectivity between network segments without the need of bridging devices – a must have capability for the complex network needs of NASDAQ OMX. But, high performance, strong security and ease of management was still not enough; before selecting Fortinet, the NASDAQ wanted to see real world test results.

In 2013, NSS Labs conducted an independent round-up test of next-generation firewalls. Fortinet, along with Check Point, Juniper, Palo Alto Networks and other vendors were tested for enterprise management and security effectiveness, of which the FortiGate 3600C received a “Recommended” score – the highest given in this test.

Today, NASDAQ utilizes Fortinet High Performance Data Center Firewalls around the globe, helping to protect data from hackers.



Fortinet FortiGate 3600C



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