

# Utilities (Analyzer)

**Vanguard Analyzer is security software for expert level, vulnerability assessments of security controls and settings with the ability to produce fast system snapshots and audit results in literally minutes. Vanguard is the choice of utilities globally in eliminating vulnerabilities in large enterprise implementations to help assure Regulatory Compliance.**

## HACKERS ARE INCREASINGLY TARGETING CRITICAL INFRASTRUCTURE

Verizon’s recent security report from March 2016 indicates that Syrian hackers infiltrated an undisclosed water utility’s control system and changed the chemical levels being used to treat tap water and made off with the personal information of over 2.5 million customers in the process. The breach transpired because the criminals were able to steal logon credentials for the utility’s AS/400 mainframe that were stored on a front-end web server.

In 2011, hackers destroyed a pump used by an Illinois water utility after gaining access to the industrial control system it used to operate its machinery. This hack, like the one above, was also due to stolen user names and passwords and traced to cyber criminals in Russia.

On December 23, 2015, the Ukrainian Kyivoblenergo, a regional electricity distribution company, reported service outages to 225,000 customers. The outages were caused by illegal entry into the company’s computer and SCADA systems and disconnecting substations. Keystroke loggers were used as part of the attack to steal system credentials. The full technical analysis of the attack by SANS Industrial Control Systems and NERC E-ISAC can be accessed here:

[http://ics.sans.org/media/E-ISAC\\_SANS\\_Ukraine\\_DUC\\_5.pdf](http://ics.sans.org/media/E-ISAC_SANS_Ukraine_DUC_5.pdf)

With regard to the Ukraine hack, DHS undersecretary for the National Protection and Programs Directorate (NPPD) Suzanne Spaulding says she hopes the NERC & SANS report will be a reality-check for US critical infrastructure owners. “I want ... [executives to say], ‘what are we doing about this?’” to prevent similar attacks, she said during a February 2016 interview.



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## WHAT SHOULD UTILITIES DO TO PREVENT HARMFUL AND EXPENSIVE BREACHES?

Given critical infrastructure and utility providers often rely on mainframes for their day to day business- firms should place the same degree of emphasis on their mainframe security controls as they do on the mission critical applications and business processes that run on them. With this in mind, VANGUARD ANALYZER is the choice of over 1,000 of the world's largest banks, insurers, and branches of government, utilities and retailers for this purpose.

### VANGUARD ANALYZER SOFTWARE

*Ensuring your mission critical systems, applications and business processes are secure*

VANGUARD ANALYZER delivers expert level vulnerability assessments and audit results in minutes, leveraging Vanguard's extensive knowledge of security best practices. If there are security issues where you are at risk, findings are ranked and presented in order of importance so they may be expeditiously addressed. The corrective actions security personnel need to take to rectify identified vulnerabilities are also plainly laid out in simple language thanks to Vanguard's proprietary Smart Assist® technology, simplifying and streamlining the corrective action process.

### *Comprehensive system auditing made easy with VANGUARD ANALYZER*

Vanguard Analyzer runs thousands of integrity checks automatically, eliminating the multitudinous manual tasks associated with the audit process. Specific tests can be run individually, or a system overview report can be selected. VANGUARD ANALYZER cuts so much time out of these processes that checks and

assessments can be conducted much more frequently. The obvious benefit being that you're constantly current on exactly where you stand and ready for external auditors.

### *Analyzer: Comprehensive System Auditing made easy*

Exposing and eliminating vulnerabilities in security implementations happens to be the first step to a successful regulatory compliance program. VANGUARD ANALYZER can help you illustrate due diligence and stay in compliance with data and infrastructure security mandates like HIPAA, PCI DSS & FISMA.

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## Why Vanguard to Secure Your Enterprise?

Almost half of the Fortune 1000 companies in the world spanning banking, retail, insurance, as well as numerous government agencies trust Vanguard with their enterprise security.

## About Vanguard Security Solutions

Vanguard offers the most advanced and integrated portfolio of enterprise security products and services in the world. The portfolio was the first to offer fully automated baseline configuration scanner for Mainframe DISA STIGs— the Gold Standard for Security.

## For More Information

To learn more about Vanguard Security Solutions please call 702.794.0014 or visit [www.go2vanguard.com](http://www.go2vanguard.com)

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