# UTILITIES (ADMINISTRATOR)

**Vanguard Administrator security software for identity and entitlements administration includes intelligence tools for auditing, monitoring and reporting.**

**Vanguard is the industry leader in large enterprise administration software to help utility companies simplify and enhance access management functions on their data systems.**

## 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

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.

## 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- a solid first step is to invest in the latest mainframe specific software for identity & entitlements administration with intelligence tools for auditing, monitoring and reporting. Over half of the Fortune 1,000 companies in the world trust Vanguard with their z/OS system security.

## VANGUARD ADMINISTRATOR SOFTWARE

### Higher levels of administration than Native RACF & Automation of time-consuming tasks

As Vanguard's flagship product, Administrator is the software pioneer in offering significantly higher levels of security administration over the native capabilities of the IBM Security Server (RACF) without your staff having to know proprietary RACF command syntax. Vanguard knows that to minimize risk, security professionals should continuously monitor and administer security servers. Vanguard Administrator makes it easier than before by automating recurring, time consuming administrative tasks when it comes to managing your User, Group, Data Set and General Resource Profiles as well as your SETROPTS options.

### Minimize Risks

Additionally, Vanguard Administrator improves the quality and effectiveness of your security environment by performing security risk assessments in the background while you are doing regular administrative tasks.

For example, if you request an Online Access Analysis for a group and a data set, Administrator goes further and does a complete security assessment on the access lists for the data set profiles analyzed and tells you in the Access Analysis Report if it found a potential problem.

### The Ultimate Security Safety Net

Furthermore, if the security administrator or manager accidentally deletes authorities or profiles that are not otherwise documented it becomes impossible to rebuild those. In some extreme cases, such accidents have shut down entire systems causing significant inconvenience and financial loss to the company. With Vanguard Administrator in place, such a scenario would never happen.

Administrator's powerful REBUILD command maintains a continuous Security Server (RACF) command log and can automatically recreate the complete command sequence used to define your security environment. REBUILD may be executed in a live security environment or in an archived back-up environment. Just this single function can justify your investment in Vanguard Administrator.

## *The ability to decentralize security administration*

Vanguard Administrator utilizes Vanguard patented technology, allowing you to decentralize portions of your security administration and reporting workload. This sophisticated and patented technology limits user control and data displays to the end user to whom you have decentralized administration related duties.

Administrator lets you assign password administration to outside departments (such as an IT Help Desk) that would not otherwise have Security Server authority. This allows part of the routine maintenance to be passed on to others, freeing IT security personnel to focus on other more critical tasks.

Administrator permits Help Desk personnel to change passwords, revoke a user ID, and resume a user ID. Such capabilities would only apply to users or groups for whom the Help Desk

administrator has direct responsibility or authority - all controlled by Administrator.

## *Manage Digital Certificate Information*

The digital information controlled by the Security Server (RACF) can also be fully managed using Administrator. These capabilities, introduced in the latest software release version 2.2, enable users to create new digital certificates, delete them, prepare requests for certificates to be signed by certificate authorities, import new signed certificates, renew existing certificates and can also add and delete certificates from digital certificate rings. These management functions can be used along with Administrator's selective digital certificate reporting capabilities for maximized efficiency and ease-of-use.

## *Sophisticated Reporting*

Administrator can also produce both Batch and Online Reports - on users, groups, data sets and general resources.

## WHY VANGUARD?

Vanguard offers the most advanced and integrated portfolio of enterprise security products and services in the world. The portfolio was the first to offer a 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 contact Vanguard Integrity Professionals at (702) 794. 0014 or visit www.go2vanguard.com

## The World's largest Financial, Insurance, Government Agencies and Retailers entrust their Security to Vanguard Integrity Professionals.

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