

A large silhouette of an oil pumpjack is visible on the left side of the image, set against a dark, cloudy sky. The pumpjack's long arm extends horizontally across the frame.

PATCH

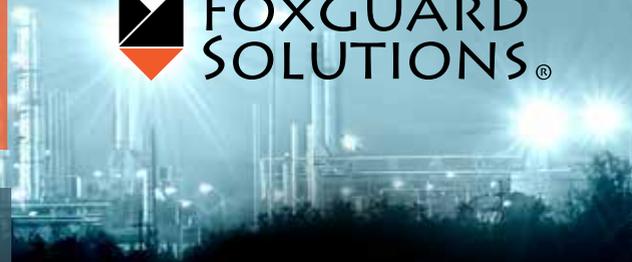
INDUSTRIAL

CONTROL

SYSTEMS

The logo for Foxguard Solutions, featuring a stylized black and orange triangle.

FOXGUARD
SOLUTIONS®

In the background on the right, there is a silhouette of an industrial facility, possibly a refinery or chemical plant, with several tall distillation columns and pipes. The facility is illuminated by bright lights, creating a lens flare effect against the dark sky.

Industrial control systems (ICS) in critical infrastructure (CIKR) are high-risk targets for attack and exploitation targets. Patches and updates are necessary to help resolve security vulnerabilities and address functional issues.

OUR COMPREHENSIVE SOLUTION

A robust patching program for IT and OT environments requires a cyclical and consistently monitored solution to ensure a secure and healthy system. To build a complete patch management program FoxGuard Solutions provides Asset ID & Baselining, Patch & Vulnerability Reporting, GAP Analysis, Validation, Deployment, and a Transient Cyber Asset Program.

TIME & RESOURCES

Patch management can be time consuming and very labor intensive. Utilities can spend over \$500,000 per year manually searching websites, receiving vendor notifications, calling vendors and tracking patches.

TRAINING

Not all patches can be implemented without having catastrophic effects in a CIKR environment. Training internal teams to have the depth of knowledge necessary for validating and deployment is cumbersome and time consuming.

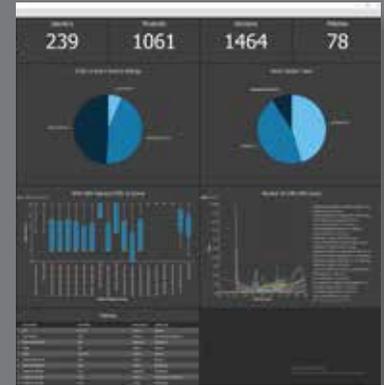
SCOPE

As the complexity of industrial control systems evolves, so does the number of devices and applications that need to be patched for both security and functional reasons.

ICS UPDATE | PATCH MANAGEMENT

ANALYTICAL INSIGHT

FoxGuard Solutions provides analytical insight into patches available for your specific environment. Put your eyes on the issues that run the most risk for your critical systems.



ASSET ID & BASELINE

Prior to monitoring patch data, it is crucial for the utility to properly document all of their critical assets from which to build a baseline. FoxGuard provides baselining services in order to build the foundation for all other steps in the patch management process.

REPORTING

FoxGuard monitors operating systems, 3rd party software applications, network devices and field devices to provide monthly intelligence reports that track the release of cyber security patches specific to your environment.

ONE SOURCE SAVES TIME AND MONEY.

PATCH AVAILABILITY REPORT

Once we have identified your asset inventory, FoxGuard can continuously monitor this list to inform you when security patches are available and provide all of the necessary documentation defining how your systems are impacted and can be protected.

VULNERABILITY NOTIFICATION REPORT

Keeping your eyes on patches alone may not be enough. FoxGuard provides a supplemental vulnerability notification report. We will monitor your systems and notify you if a vulnerability has been identified but the patch has yet to be released.

ONE SOURCE. SAVE TIME AND MONEY.

GAP ANALYSIS

Missing patches and updates can leave systems vulnerable to cyber attacks. Our solution collects the asset information, performs the patch analysis, keeps a log for and identifies the specific patches that are needed to get your system up-to-date and secure.

AUTOMATE

Automated collection of asset information, ensuring this information is current and accurate.

ANALYZE

Intelligent analysis of the types of patches available as compared to an asset's current patch level.

SAVE TIME & RESOURCES

Management of patch gap is efficient since the user is only supplied necessary patches - eliminating the time spent on superseded (out-of-date) patches.

VULNERABILITY INTELLIGENCE

Identify risks, threats and vulnerabilities based on missing patches.

VALIDATION

Patch Validation is a tedious, timely process that requires the right staff with the right aptitude in the right environment to safely and effectively test patches. This may require special equipment and the right discernment to understand how much and how deep to test each of your critical assets.

BE EMPOWERED. PROTECT YOUR CRITICAL EQUIPMENT.

DEPLOYMENT

A diligent deployment process defends against malware, in-transit modification and corruption. Our engineers design a comprehensive, secure and easy-to-use patch deployment solution that best fits the needs of your specific environment.

TRANSIENT CYBER ASSET (TCA) PROGRAM

FoxGuard provides an innovative solution that will secure your laptops and other portable devices. Our solution protects these assets by deploying a gold image on a monthly basis. This gold image is updated to include OEM specific security patches and applicable operating systems, software and device drivers.

MANAGE. SECURE. PROTECT.



ABOUT FOXGUARD SOLUTIONS

FoxGuard has proven excellence in not only meeting compliance requirements but also solving functional issues and security vulnerabilities. We have successfully deployed patching solutions in over 180 sites in 30 countries in the past 10 years.

For a fraction of the price and the time it takes to continuously monitor hundreds of vendor websites and review patches, FoxGuard can deliver the convenience of an automated patch management solution specifically customized for your operation.

Our field experienced security experts have over a decade of patch delivery experience in IT and OT space. We understand the complexities of the control systems in CIKR environments. Thus we can efficiently alleviate the never-ending burden of managing patches.

FoxGuard has a relationship with the U.S. Department of Energy (DOE) and many leading industrial control system vendors. We leverage our relationships to develop a robust patch management solution for the energy industry.

FoxGuard can centralize your patch management burden in a simplified, cost-effective, and timely fashion; and facilitate a more secure environment by being up-to-date with critical updates & patches.



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