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Safe file-sharing catalogue using blockchain technology

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Updating software in a decentralized OT environment can be a haphazard affair. But not knowing what has been installed can pose serious risks to your network. LockBox is designed to overcome the persistent problem of unverified and randomly downloaded software.

This blockchain-based platform provides a centrally controlled catalogue of approved firmware, manual brochures, release notes and datasheets for individual network devices. It allows you to share the latest files safely with authorized users and to maintain data integrity from source to device.

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Why use LockBox?

- Stops the distribution of files via email, shared folders or USB sticks, mitigating the risk of malicious software entering the network.
- Verifies the authenticity of downloaded files and firmware, reassuring field technicians that they'll be installing a company-approved version.
- Eliminates the need for each technician to have an account with device manufacturers, coordinating and accelerating the process across the company.
- Facilitates administrative oversight and localized updates, hitting that sweet spot between a centralized and decentralized system.
- Allows field technicians to enter their observations on the shared platform, enabling lead engineers to collect feedback from local and remote sites.

[block quote]

“Whether they're downloading a patch or a completely new software package, field technicians can be confident that it's come from a trusted source.”

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Addressing the widespread need for robust cybersecurity systems in OT

There was a time when owners of automated industrial networks didn't have to be too concerned about security. The risk of intentional or unintentional damage was something that belonged to the realm of IT. Unfortunately, those days are over. Now those in OT environments have to do what they can to mitigate the risk of incoming attacks, including controlling what, when and how updates are installed, and adding an extra layer of security for those all-important networks.

Turning a chaotic approach to installing updates into a streamlined process

LockBox is a blockchain-based platform that addresses the security and administrative issues caused by individual technicians sharing and downloading patches around the world. It gives you a centrally controlled catalogue of approved firmware and technical specifications, which can then be shared with authorized users in a safe and coordinated fashion. This gives you complete oversight and it gives your network much better protection against hackers and malware.

Exploiting advanced technology to give you enhanced security and transparency

The science behind LockBox is blockchain technology. In simple terms, it calculates the hash of a downloaded file and compares it to the hash of the original file to check that it hasn't been changed, manipulated or corrupted. It not only verifies that the file has retained its integrity but also creates an irreversible timeline, which enables the catalogue's administrator to see which technician has updated what file and when, and on what network.

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Major features of LockBox

- Secure platform that gives direct access to authorized users around the globe
- Central catalogue of devices that contains manufacturer data, images and files
- Blockchain technology that checks file fingerprints and verifies firmware certificates
- Not limited by company or device type so any combination of files allowed
- Comments, images and video links can be added to keep the global organization updated

[block quote]

“Adding LockBox to your arsenal of cybersecurity tools is a smart way to protect your industrial network from planned or unplanned harm.”

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Company contact info

Call to action (to be decided)

