

Phosphorus xIoT Password Management

Eliminate default credentials. Enforce password standards across all devices.

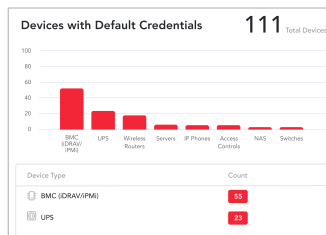
The Challenge

xIoT devices, including printers, IP cameras, HVAC systems, PDUs, and access control systems, are deployed across every enterprise environment. Yet unlike traditional IT systems, most ship with **default credentials** that are rarely changed. These credentials:

- Are widely known and easily exploitable.
- Create compliance gaps.
- Provide attackers with a loweffort, high-impact entry point.

Traditional IT password management tools cannot handle the complexity and diversity of xIoT devices. Manual updates are slow, inconsistent, prone to errors and do not scale, leaving organizations exposed.

The Phosphorus Advantage



Credentials

Rotate

Credential:

APC-00c4dlsj4394j2

Credential Provider:

Local Vault

Phosphorus, now part of the Dragos portfolio, delivers the industry's only **xIoT Security and Management Platform** with automated credential management built in. Enterprises can now easily extend the same password hygiene applied to IT assets across every connected device.

- Automated Default and Weak Password Elimination**
Detect and replace default or weak credentials across all xIoT devices in minutes.
- Scheduled Credential Rotation**
Rotate passwords across thousands of devices in minutes at regular intervals, fully automated, with intelligent device actions.
- Granular Policy Enforcement**
Enforce passwords for privileged device access, manage multiple credentials per device, and apply consistent password policies across diverse device types. Organize devices into Password Groups for centralized rotation and fleet management. Control access through granular user roles and permissions.
- Embedded Password Vault**
Sync credentials in a native encrypted password vault for centralized governance, auditing, and compliance.
- Zero-Disruption Operation**
Perform credential changes safely, without impacting the availability of mission-critical or sensitive devices.
- Continuous Monitoring**
Passwords get reset from time to time. Continuously monitor for device drift so you can take action before attackers do.

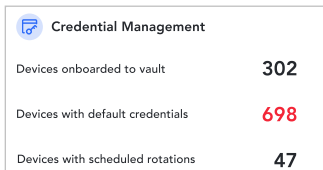
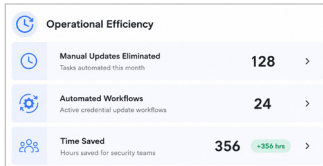
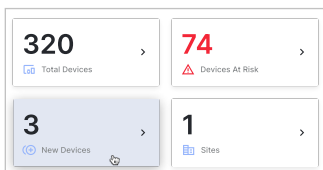
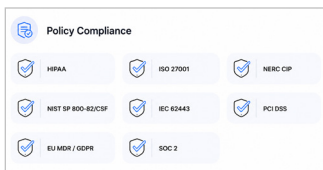
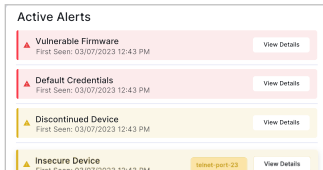
AT A GLANCE

Key Benefits

- Eliminate default and weak passwords automatically
- Automate scheduled rotations
- Store with Embedded Password Vault
- Enforce consistent password policies
- Detect and remediate credential and device drift
- Reduce xIoT attack surface



Customer Outcomes



With Phosphorus, enterprises and organizations across critical infrastructure achieve:

Instant Risk Visibility

Gain immediate insight into default, weak, or non-rotated credentials across your xIoT landscape, revealing hidden exposures before attackers can exploit them.

Policy Compliance

Enforce enterprise-grade password rotation policies across every connected device to meet regulatory standards and internal security requirements.

Smaller Attack Surface

Remove one of the most frequently exploited xIoT vulnerabilities — static credentials—by automating discovery and remediation at scale.

Operational Efficiency

Replace manual, time-consuming credential updates with fully automated workflows, freeing teams to focus on higher-value security initiatives.

Unified Credential Governance

Extend Privileged Access Management best practices into the xIoT layer, bringing centralized control, auditing, and consistent security policies to all device credentials.

Why Phosphorus

We secure and manage connected devices at machine scale; safely, automatically, continuously, with human oversight, not limitations.

DISCOVER AND ASSESS

- ✓ Asset Discovery
- ✓ Vulnerability Assessment
- ✓ Prohibited Device Detection and Response

HARDEN & REMEDIATE

- ✓ Password Management
- ✓ Firmware Management
- ✓ Certificate Management
- ✓ Configuration Management

MONITOR & MANAGE

- ✓ Device State Monitoring
- ✓ Device Log Retrieval
- ✓ Device Backup

FAST VALUE REALIZATION

Deploys quickly with no agents, hardware, SPAN ports, or packet brokers.

LEVERAGE EXISTING INVESTMENTS

Integrates with SIEM, SOAR, PAM, and ITSM systems for complete downstream visibility.

For CISOs and CIOs

Phosphorus delivers **strategic resilience** by unifying fragmented device security processes into a single autonomous platform. It empowers leadership to ensure **enterprise-wide compliance**, reduce **attack surface risk**, and extend **zero-trust principles** to their entire xIoT environments.

Phosphorus
A DRAGOS COMPANY

SEE PHOSPHORUS IN ACTION

**Request a
Demo Today**

[Phosphorus.io](https://phosphorus.io)

