Cyolo

At a Glance

Cyolo Malware Detection for Secure File Transfers in OT Environments

Cyolo-managed, in-session file scanning for critical OT environments, powered by OPSWAT MetaDefender multiple AV engines.

Why In-Session File Scanning Matters

Cyber-Physical Systems (CPS) and Operational Technology (OT) environments are highly sensitive, mission-critical, and dependent on uptime. These assets cannot tolerate unsafe file delivery or the disruption caused by ransomware and malware. Traditional perimeter security may not deeply inspect files moving through secure remote access workflows between IT and OT.

In real workflows, users send and receive files while connected — for maintenance, troubleshooting, patching, or data exchange. Forcing them to leave the session to scan a file makes no sense. Scanning should happen within the same platform that enables, governs, and controls the session, so security is applied exactly where the action takes place.

How It Works

A Cyolo-managed service that intercepts and inspects files during active remote sessions — with no endpoint agents — using OPSWAT MetaDefender multiple AV engines before files reach sensitive OT assets.

Supported Session Protocols: RDP, SSH, SFTP, SMB

Key Benefits

Native Cyolo-Managed Service
Fully managed by Cyolo and delivered through the Cyolo Cloud Services Network.

Comprehensive Protocol Support
Transparent file scanning across RDP, SSH, SFTP, and SMB sessions.

Powered by OPSWAT MetaDefender
Multiple OPSWAT AV engines inspect malicious content before it reaches OT.

Pre-Delivery Enforcement
Inspects and blocks files before they reach critical OT systems.

Audit & Regulatory Alignment
Files are deleted after inspection, supporting audit readiness and compliance.

Comprehensive Session Visibility
Every file action is reviewable in session logs — including why it was allowed or blocked.

Example Use Cases

Third-Party Vendor Patch Upload
OEMs and vendors uploading critical software patches are automatically scanned in-session, helping ensure only approved files reach the plant floor.

IT to OT Exchange
Schematics and compliance documents moving between the corporate IT network and isolated CPS segments are scanned seamlessly, without disrupting workflows.

Third-Party Maintenance Access
Contractors uploading configuration files, tools, or scripts over SSH or RDP are covered by real-time scanning before files reach sensitive OT systems.

About Cyolo

Cyolo secures every connection across operational technology (OT) and cyber-physical systems (CPS) with a full-stack Secure Connectivity Platform purpose-built for critical infrastructure. Manufacturers, energy and utility providers, and data center operators rely on Cyolo to secure remote privileged access, contain threats with zero trust microsegmentation, and protect critical operations.

Learn more at www.cyolo.io

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