

Log4Shell

February 9, 2022

JCI-PSA-2021-23 v23
CVE-2021-44228



Johnson Controls endeavors to provide its customers with resilient products throughout the product lifecycle, including the design, sourcing, development, deployment, support, and retirement of products.

Overview:

Johnson Controls is aware of reports of a vulnerability known as [Log4Shell](#) related to Apache Log4j (a logging tool used in many Java-based applications) disclosed on December 9, 2021. We continue to analyze this remote code execution vulnerability ([CVE-2021-44228](#)) and assess Johnson Controls products for potential impact.

As Johnson Controls and the industry at large continue to gain a deeper understanding of the impact of this vulnerability, we will publish technical information to help customers detect, investigate, and mitigate attacks, as well as provide guidance on how to increase resilience against related threats.

The tables below identify products for which we have completed our analysis and indicates the status of each. For products not listed, analysis is still underway. This product security advisory is being continuously updated as more information becomes available.

Johnson Controls On-Premise Products

| Product | Version | Status (Impacted/Remediated) | Analysis Date |
|--------------------------------------|------------------------|---------------------------------|--------------------------------------|
| MX T2000 Marine Panel | All supported versions | Not impacted | February 21, 2022 |
| Centaur II Alarm Signaling Equipment | All supported versions | Not impacted | February 8, 2022 |
| PowerMaster-360 Control Panel | All supported versions | Not impacted | February 7, 2022 |
| PowerMaster-360R Control Panel | All supported versions | Not impacted | February 7, 2022 |
| FC500 Series Fire Panels | All supported versions | Not impacted | January 25, 2022 |
| FC600 Series Fire Panels | All supported versions | Not impacted | January 25, 2022 |
| FC700 Series Fire Panels | All supported versions | Not impacted | January 25, 2022 |
| FC500IP Module | All supported versions | Not impacted | January 25, 2022 |
| TL250/TL300 Communicators | All supported versions | Not impacted | January 18, 2022 |
| PowerSeries Communicators | All supported versions | Not impacted | January 18, 2022 |
| Neo Communicators | All supported versions | Not impacted | January 18, 2022 |
| IMPASSA Communicators | All supported versions | Not impacted | January 18, 2022 |
| Universal Communicators | All supported versions | Not impacted | January 18, 2022 |
| TrueSite Workstation | All supported versions | Not impacted | January 18, 2022 |
| ZETTLER PROFILE | All supported versions | Not impacted | January 13, 2022 |
| PowerManage | 5.4.1 to 5.7.1 | Remediated | Remediation date January 12, 2022 |
| Intellex DVMS | All supported versions | Not impacted | January 11, 2022 |
| SafeLINC Gateway | All supported versions | Not impacted | January 7, 2022 |
| EasyIO | All supported versions | Not impacted | January 5, 2022 |
| Performance Verification Tool | All supported versions | Not impacted | January 5, 2022 |

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|-----------------------------------|---------------------------------|--------------|-------------------|
| Verasys | All supported versions | Not Impacted | January 4, 2022 |
| PowerMaster-10 G2 Control Panel | All supported versions | Not Impacted | December 22, 2021 |
| PowerMaster-30 G2 Control Panel | All supported versions | Not Impacted | December 22, 2021 |
| PowerMaster-33 G2 Control Panel | All supported versions | Not Impacted | December 22, 2021 |
| BIRS | All supported versions | Not Impacted | December 22, 2021 |
| C•CURE Web | All supported versions | Not Impacted | December 21, 2021 |
| C•CURE Server | All supported versions | Not Impacted | December 21, 2021 |
| C•CURE Client | All supported versions | Not Impacted | December 21, 2021 |
| Connected Equipment Gateway (CEG) | All supported versions | Not Impacted | December 21, 2021 |
| P2000 | All supported versions | Not Impacted | December 21, 2021 |
| S321-IP (P2000) | All supported versions | Not Impacted | December 21, 2021 |
| CK721-A (P2000) | All supported versions | Not Impacted | December 21, 2021 |
| MAXSYS Panels and Modules | All supported versions | Not impacted | December 20, 2021 |
| exacq Mobile | All supported versions | Not Impacted | December 20, 2021 |
| exacq Enterprise Manager | All supporter versions | Remediated | December 20, 2021 |
| iSTAR | All supported versions | Not Impacted | December 20, 2021 |
| BCPro | All supported versions | Not Impacted | December 20, 2021 |
| exacqVision WebService | All supported versions | Not Impacted | December 20, 2021 |
| exacqVision Client | All supported versions | Not Impacted | December 20, 2021 |
| exacqVision Server | All supported versions | Not Impacted | December 20, 2021 |
| VideoEdge | 5.x | Not Impacted | December 20, 2021 |
| PowerSeries and Modules | All supported versions | Not impacted | December 20, 2021 |
| airCloud | All supported versions | Remediated | December 17, 2021 |
| Sur-Gard Receivers | All supported versions | Not Impacted | December 17, 2021 |
| PowerSeries Pro | All supported versions | Not impacted | December 17, 2021 |
| PowerSeries NEO | All supported versions | Not Impacted | December 17, 2021 |
| Qolsys IQ Panels | All supported versions | Not Impacted | December 17, 2021 |
| Kantech EntraPass | All supported versions | Not Impacted | December 17, 2021 |
| DLS | All supported versions | Not Impacted | December 17, 2021 |
| Tyco AI | All supported versions | Not Impacted | December 17, 2021 |
| Illustra Insight | All supported versions | Not Impacted | December 17, 2021 |
| Illustra Cameras | All supported versions | Not Impacted | December 17, 2021 |
| CEM Hardware Products | All supported versions | Not Impacted | December 17, 2021 |
| CEM AC2000 | All supported versions | Not impacted | December 17, 2021 |
| Facility Explorer | 14.x | Not Impacted | December 16, 2021 |
| Metasys Products and Tools | All supported versions | Not Impacted | December 16, 2021 |
| victor/ C•CURE-9000 Unified | victor 5.6.1 / C•CURE-9000 2.90 | Not Impacted | December 16, 2021 |
| victor/ C•CURE-9000 Unified | victor 5.4.1 / C•CURE-9000 2.80 | Not Impacted | December 16, 2021 |
| victor/ C•CURE-9000 Unified | victor 5.2.1 / C•CURE-9000 2.70 | Not Impacted | December 16, 2021 |
| victor | 5.x | Not Impacted | December 16, 2021 |
| C•CURE-9000 | 2.90 (All versions) | Not impacted | December 16, 2021 |
| C•CURE-9000 | 2.80 (All versions) | Not Impacted | December 16, 2021 |
| C•CURE-9000 | 2.70 (All versions) | Not Impacted | December 16, 2021 |
| C•CURE-9000 | 2.60 (All versions) | Not Impacted | December 16, 2021 |

Johnson Controls OpenBlue

| Product | Status (Impacted/Remediated) | Date |
|-----------------|------------------------------|-----------------------------|
| OpenBlue Bridge | Remediated | Remediation date 12/21/2021 |

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|--|--------------|--------------------------|
| OpenBlue Twin | Not Impacted | Analysis date 12/21/2021 |
| OpenBlue Enterprise Manager | Not Impacted | Analysis date 12/18/2021 |
| OpenBlue Cloud | Not Impacted | Analysis date 12/17/2021 |
| OpenBlue Active Responder | Not Impacted | Analysis date 12/17/2021 |
| OpenBlue Risk Insight | Not Impacted | Analysis date 12/17/2021 |
| OpenBlue Workplace | Not Impacted | Analysis date 12/16/2021 |
| OpenBlue Chiller Utility Plant Optimizer | Not Impacted | Analysis date 12/16/2021 |
| OpenBlue Connected Chiller | Not impacted | Analysis date 12/16/2021 |
| OpenBlue Location Manager | Not Impacted | Analysis date 12/15/2021 |

Johnson Controls Cloud Products

| Product | Status (Impacted/Remediated) | Date |
|---|------------------------------|-----------------------------|
| SafelINC Cloud Web and Mobile | Not impacted | Analysis date 01/7/2022 |
| IQ Cloud | Remediated | Analysis date 01/6/2022 |
| Unified Operations Center (UOC) | Not impacted | Analysis date 12/22/2021 |
| Sensormatic SMaaS | Remediated | Analysis date 12/22/2021 |
| PENN Connected Refrigeration Monitoring | Remediated | Analysis date 12/21/2021 |
| Connect24 | Not Impacted | Analysis date 12/21/2021 |
| DataSource | Not Impacted | Analysis date 12/21/2021 |
| Xaap | Not Impacted | Analysis date 12/21/2021 |
| RFID Overhead360° Backend | Remediated | Remediation date 12/21/2021 |
| Shoppertrak Shopper Journey | Not Impacted | Analysis date 12/21/2021 |
| Shoppertrak Perimeter Apps | Not Impacted | Analysis date 12/21/2021 |
| Shoppertrak Video Analytics | Not Impacted | Analysis date 12/21/2021 |
| Shoppertrak Market Intelligence | Not Impacted | Analysis date 12/21/2021 |
| Shoppertrak Analytics (STaN) - Traffic | Not Impacted | Analysis date 12/21/2021 |
| TrueVue Cloud | Not Impacted | Analysis date 12/21/2021 |
| ITV2 SDK | Not Impacted | Analysis date 12/20/2021 |
| CloudVue Web | Not Impacted | Analysis date 12/17/2021 |
| CloudVue Gateway | Not Impacted | Analysis date 12/17/2021 |
| Athena | Not Impacted | Analysis date 12/16/2021 |

*Note that solutions may involve additional components still under evaluation.

Johnson Controls will continue to monitor this dynamic situation and will publish mitigation recommendations, patches or product updates at our product security advisory site located here: [CVE-2021-44228](https://www.johnsoncontrols.com/cyber-solutions/security-advisories).

Secure Product Deployment Guidance:

We recommend reviewing product hardening and deployment guides to ensure that products have been deployed in accordance with product design and operations requirements.

- Most Johnson Controls on-premise products: <https://www.johnsoncontrols.com/cyber-solutions/security-advisories>
- Metasys: <https://docs.johnsoncontrols.com/bas/r/Metasys/en-US/Network-and-IT-Guidance-Technical-Bulletin/11.0?filters=docnumber~%2522LIT-12011279%2522>

Government Guidance:

<https://www.cisa.gov/uscert/ncas/current-activity/2021/12/10/apache-releases-log4j-version-2150-address-critical-rce>

Disclosure Practices

Johnson Controls practices coordinated disclosure and has been recognized by MITRE as a Common Vulnerability and Exposures (CVE) Numbering Authority (CNA). Accordingly, Johnson Controls is permitted to self-report to the publicly accessible United States National Vulnerabilities Database. This capability is incorporated into our Product Security Incident Response (PSIR) and vulnerability management process. Product Security Advisories are posted on the Cyber Solutions section of our website at <https://www.johnsoncontrols.com/cyber-solutions/security-advisories>.

For more information, please visit <http://www.johnsoncontrols.com/> or to learn about Johnson Controls holistic approach to cybersecurity visit <https://www.johnsoncontrols.com/cyber-solutions>.

Sincerely,

Cyber Solutions Team