

Log4j Vulnerability and Crystal Reports

SYSPRO 8 Technical Article

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SYSPRO Help and Reference

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Introduction

AUDIENCE

This statement is aimed at the entire SYSPRO community.

This includes SYSPRO end-users, partners and SYSPRO personnel.

BACKGROUND

The background is that late 2021 it was discovered that a Java library known as **Log4j** has a serious vulnerability that is relatively easy to exploit by malicious actors. This library can be used for logging Java applications.

This Java logging library is in widespread use across the world and has been rated as a serious issue.

SAP BusinessObjects maintain and support Crystal Reports, which in turn is used by SYSPRO 8 and prior versions for client and server-side reporting technology.

The purpose of this document is to clarify that despite Crystal Reports containing the **Log4j** library that exhibits the vulnerability, this library is not used by the Crystal Reports BI technology that we ship with SYSPRO.

DOES THIS VULNERABILITY AFFECT SYSPRO?

The answer is no.

Why does it not affect SYSPRO?

SYSPRO uses SAP BusinessObjects BI 4.1 for Crystal Reports 2013 and SAP BusinessObjects BI 4.2 for Crystal Reports 2016. These product lines are not impacted by CVE-2021-44228.

On December 15, 2021, SAP BusinessObjects released **3129956** KB article confirming that SAP BusinessObjects Business Intelligence platform is not affected by the CVE-2021-44228 **Log4j** vulnerability.

See screen image taken from their web site December 2021.

The screenshot shows a document titled "SAP Product-Specific Information". At the top, a red box highlights the text "No Known Impact". Below this, a paragraph states: "At the time of publication (time stamped above), the following non-exhaustive list of SAP products do not contain components affected by this CVE." A bulleted list follows, with the item "SAP BusinessObjects Business Intelligence" highlighted by a red box. The list includes:

- SAP S/4HANA On-Premise on ABAP
- SAP S/4HANA Cloud Customer systems
- SAP S/4HANA, Digital Payments Add-On
- SAP Adaptive Server Enterprise (Sybase ASE)
- SAP BTP SDK for Android
- SAP BusinessObjects Business Intelligence
- SAP BusinessObjects Explorer
- SAP BusinessObjects Data Services
- SAP BusinessObjects Financial Information Management
- SAP BusinessObjects Knowledge Accelerator
- SAP Business Technology Platform, Kyma runtime
- SAP Business Technology Platform, Neo environment
- SAP Business ByDesign
- SAP Cloud for Utilities Foundation

On the left side of the list, there is vertical text: "© 2021 SAP SE or an affiliate company. All rights reserved." At the bottom of the page, it says "Classification: Internal" and "< Page 1 of 7 >".

The impacted component resides in the main JNDI package **which is not used in the SAP Business Objects BI platform.**

The **Log4j** file can be deleted from a customer's environment without affecting the operation of Crystal Designer within SYSPRO. The file is not used, merely packaged with the Crystal Report Designer files.



What if I have more questions?

If you have any additional questions about this subject, then please contact **SAP BusinessObjects** directly.

Please mention that **SYSPRO** has confirmed the status as described above.



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