



# CVE-2022-35871

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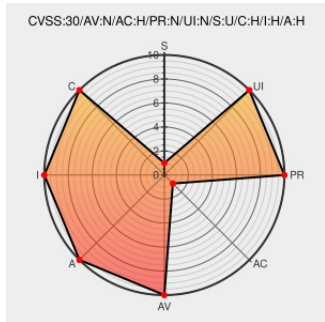
## CVE-2022-35871

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Ignition](#) from [Inductiveautomation](#) contain the following vulnerability:

This vulnerability allows remote attackers to execute arbitrary code on affected installations of Inductive Automation Ignition 8.1.15 (b2022030114). Authentication is not required to exploit this vulnerability. The specific flaw exists within the authenticateAdSso method. The issue results from the lack of authentication prior to allowing the execution of python code. An attacker can leverage this vulnerability to execute code in the context of SYSTEM. Was ZDI-CAN-17206.

CVE-2022-35871 has been assigned by [zdi-disclosures@trendmicro.com](mailto:zdi-disclosures@trendmicro.com) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Inductive Automation - Ignition** version **8.1.15 (b2022030114)**

CVSS3 Score: **7.8 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
<b>LOCAL</b>	<b>LOW</b>	<b>NONE</b>	<b>REQUIRED</b>
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
<b>UNCHANGED</b>	<b>HIGH</b>	<b>HIGH</b>	<b>HIGH</b>

## CVE References

Description	Tags	Link
Published   Zero Day Initiative	<a href="http://www.zerodayinitiative.com">www.zerodayinitiative.com</a> <a href="#">text/html</a>	MISC <a href="http://www.zerodayinitiative.com/advisories/ZDI-22-1018/">www.zerodayinitiative.com/advisories/ZDI-22-1018/</a>
Security check	<a href="http://support.inductiveautomation.com">support.inductiveautomation.com</a> <a href="#">text/html</a> <b>Inactive Link</b> <b>Not Archived</b>	MISC <a href="http://support.inductiveautomation.com/hc/en-us/articles/7625759776653-Regarding-Pwn2Own-2022-Vulnerabilities">support.inductiveautomation.com/hc/en-us/articles/7625759776653-Regarding-Pwn2Own-2022-Vulnerabilities</a>

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There are currently no QIDs associated with this CVE




### Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Inductiveautomation</a>	<a href="#">Ignition</a>	8.1.15	All	All	All
cpe:2.3:a:inductiveautomation:ignition:8.1.15:*:*:*:*:*:						

### Discovery Credit

Daan Keuper & Thijs Alkemade from Computest

### Social Mentions

Source	Title	Posted (UTC)
 @TheZDIBugs	[ZDI-22-1018 CVE-2022-35871] (Pwn2Own) Inductive Automation Ignition Missing Authentication for Critical Function R... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2022-07-15 19:48:24
 @CVEreport	CVE-2022-35871 : This vulnerability allows remote attackers to execute arbitrary code on affected installations of... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2022-07-25 18:25:53
 @Robo_Alerts	Potentially Critical CVE Detected! CVE-2022-35871 This vulnerability allows remote attackers to execute arbitrary c... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2022-07-25 20:56:01
 @LinInfoSec	Python - CVE-2022-35871: <a href="https://support.inductiveautomation.com/hc/en-us/artic...">support.inductiveautomation.com/hc/en-us/artic...</a>	2022-07-25 22:01:03
 /r/netcve	<a href="#">CVE-2022-35871</a>	2022-07-25 19:38:28

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