



CVE-2021-46577

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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Microstation](#) from [Bentley](#) contain the following vulnerability:

This vulnerability allows remote attackers to execute arbitrary code on affected installations of Bentley MicroStation CONNECT 10.16.0.80. User interaction is required to exploit this vulnerability in that the target must visit a malicious page or open a malicious file. The specific flaw exists within the parsing of JT files. The issue results from the lack of proper validation of the length of user-supplied data prior to copying it to a heap-based buffer. An attacker can leverage this vulnerability to execute code in the context of the current process. Was ZDI-CAN-15371.

CVE-2021-46577 has been assigned by zdi-disclosures@trendmicro.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Bentley - MicroStation CONNECT** version **10.16.0.80**

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
BE-2021-0005: Out-of-bounds and use-after-free vulnerabilities in MicroStation and MicroStation-based applications	Vendor Advisory www.bentley.com text/html	B MISC www.bentley.com/en/common-vulnerability-exposure/BE-2021-0005
ZDI-22-164 Zero Day Initiative	Third Party Advisory VDB Entry www.zerodayinitiative.com text/html	Z MISC www.zerodayinitiative.com/advisories/ZDI-22-164/

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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	Bentley	Microstation	All	All	All	All
Application	Bentley	Microstation Connect	10.16.0.80	All	All	All
Application	Bentley	View	All	All	All	All

cpe:2.3:a:bentley:microstation:*:*:*:*:*:

cpe:2.3:a:bentley:microstation_connect:10.16.0.80:*:*:*:*:*:

cpe:2.3:a:bentley:view:*:*:*:*:*:

Discovery Credit

Mat Powell of Trend Micro Zero Day Initiative

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-46577 : This vulnerability allows remote attackers to execute arbitrary code on affected installations of... twitter.com/i/web/status/1...	2022-02-28 22:13:43

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