

SSA-483182: Multiple File Parsing Vulnerabilities in JT2Go and Teamcenter Visualization before V13.2

Publication Date: 2021-07-13
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Current Version: V1.0
CVSS v3.1 Base Score: 7.8

SUMMARY

Siemens has released version V13.2 for JT2Go and Teamcenter Visualization to fix multiple vulnerabilities that could be triggered when the products read files in different file formats (GIF, TIFF, BMP, J2K, JT, SGI, PDF, PCT, PCX, PAR and ASM). If a user is tricked to opening of a malicious file with the affected products, this could lead to application crash, or potentially arbitrary code execution on the target host system.

Siemens recommends to update to the latest versions and to limit opening of untrusted files from unknown sources in the affected products.

AFFECTED PRODUCTS AND SOLUTION

Affected Product and Versions	Remediation
JT2Go: All versions < V13.2	Update to V13.2 https://www.plm.automation.siemens.com/global/en/products/plm-components/jt2go.html
Teamcenter Visualization: All versions < V13.2	Update to V13.2 https://support.sw.siemens.com/ (login required)

WORKAROUNDS AND MITIGATIONS

Siemens has identified the following specific workarounds and mitigations that customers can apply to reduce the risk:

- Avoid to open untrusted files from unknown sources in JT2Go and Teamcenter Visualization

GENERAL SECURITY RECOMMENDATIONS

As a general security measure, Siemens strongly recommends to protect network access to devices with appropriate mechanisms. In order to operate the devices in a protected IT environment, Siemens recommends to configure the environment according to Siemens' operational guidelines for Industrial Security (Download: <https://www.siemens.com/cert/operational-guidelines-industrial-security>), and to follow the recommendations in the product manuals.

Additional information on Industrial Security by Siemens can be found at: <https://www.siemens.com/industrialsecurity>

PRODUCT DESCRIPTION

JT2Go is a 3D JT viewing tool to allow users to view JT, PDF, Solid Edge, PLM XML with available JT, VFZ, CGM, and TIF data.

Teamcenter Visualization software enables enterprises to enhance their product lifecycle management

(PLM) environment with a comprehensive family of visualization solutions. The software enables enterprise users to access documents, 2D drawings and 3D models in a single environment.

VULNERABILITY CLASSIFICATION

The vulnerability classification has been performed by using the CVSS scoring system in version 3.1 (CVSS v3.1) (<https://www.first.org/cvss/>). The CVSS environmental score is specific to the customer's environment and will impact the overall CVSS score. The environmental score should therefore be individually defined by the customer to accomplish final scoring.

An additional classification has been performed using the CWE classification, a community-developed list of common software security weaknesses. This serves as a common language and as a baseline for weakness identification, mitigation, and prevention efforts. A detailed list of CWE classes can be found at: <https://cwe.mitre.org/>.

Vulnerability CVE-2021-34333

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing BMP files. A malformed input file could result in double free of an allocated buffer that leads to a crash. An attacker could leverage this vulnerability to cause denial of service condition. (CNVD-C-2021-79295)

CVSS v3.1 Base Score	5.5
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:H/E:P/RL:O/RC:C
CWE	CWE-415: Double Free

Vulnerability CVE-2021-34332

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing BMP files. A malformed input file could result in an infinite loop condition that leads to denial of service condition. An attacker could leverage this vulnerability to consume excessive resources. (CNVD-C-2021-79300)

CVSS v3.1 Base Score	5.5
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:H/E:P/RL:O/RC:C
CWE	CWE-835: Loop with Unreachable Exit Condition ('Infinite Loop')

Vulnerability CVE-2021-34331

The Jt981.dll library in affected applications lacks proper validation of user-supplied data when parsing JT files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13442)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34330

The Jt981.dll library in affected applications lacks proper validation of user-supplied data prior to performing further free operations on an object when parsing JT files. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13430)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-416: Use After Free

Vulnerability CVE-2021-34329

The plmxmlAdapterSE70.dll library in affected applications lacks proper validation of user-supplied data when parsing PAR files. This could result in an out of bounds write past the fixed-length heap-based buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13427)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-122: Heap-based Buffer Overflow

Vulnerability CVE-2021-34328

The plmxmlAdapterSE70.dll library in affected applications lacks proper validation of user-supplied data when parsing PAR files. This could result in an out of bounds write past the fixed-length heap-based buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13424)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-122: Heap-based Buffer Overflow

Vulnerability CVE-2021-34327

The plmxmlAdapterSE70.dll library in affected applications lacks proper validation of user-supplied data when parsing ASM files. This could result in an out of bounds write past the fixed-length heap-based buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13423)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-122: Heap-based Buffer Overflow

Vulnerability CVE-2021-34326

The plmxmlAdapterSE70.dll library in affected applications lacks proper validation of user-supplied data when parsing PAR files. This could result in an out of bounds write past the fixed-length heap-based buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13422)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-122: Heap-based Buffer Overflow

Vulnerability CVE-2021-34325

The Jt981.dll library in affected applications lacks proper validation of user-supplied data when parsing JT files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13421)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34324

The Jt981.dll library in affected applications lacks proper validation of user-supplied data prior to performing further free operations on an object when parsing JT files. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13420)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-416: Use After Free

Vulnerability CVE-2021-34323

The Jt981.dll library in affected applications lacks proper validation of user-supplied data when parsing JT files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13419)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34322

The JPEG2K_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing J2K files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13416)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34321

The VisDraw.dll library in affected applications lacks proper validation of user-supplied data when parsing J2K files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13414)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34320

The Jt981.dll library in affected applications lacks proper validation of user-supplied data when parsing JT files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13406)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34319

The BMP_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing SGI files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13404)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34318

The BMP_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing PCT files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13403)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34317

The BMP_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing PCX files. This could result in an out of bounds write past the fixed-length heap-based buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13402)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-122: Heap-based Buffer Overflow

Vulnerability CVE-2021-34316

The DL180CoolType.dll library in affected applications lacks proper validation of user-supplied data when parsing PDF files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13380)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34315

The BMP_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing SGI files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13356)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-125: Out-of-bounds Read

Vulnerability CVE-2021-34314

The BMP_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing SGI files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13355)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34313

The Tiff_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds write past the fixed-length heap-based buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13354)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-122: Heap-based Buffer Overflow

Vulnerability CVE-2021-34312

The Tiff_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds write past the fixed-length heap-based buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13353)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-122: Heap-based Buffer Overflow

Vulnerability CVE-2021-34311

The Mono_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing J2K files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13352)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34310

The Tiff_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13351)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34309

The Tiff_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13350)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34308

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing BMP files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13344)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34307

The Tiff_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13343)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34306

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing BMP files. This could result in a memory corruption condition. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13342)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-119: Improper Restriction of Operations within the Bounds of a Memory Buffer

Vulnerability CVE-2021-34305

The Gif_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing GIF files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13340)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34304

The Tiff_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13199)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34303

The Tiff_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13198)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34302

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing BMP files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13197)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34301

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data prior to performing further free operations on an object when parsing BMP files. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13196)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-416: Use After Free

Vulnerability CVE-2021-34300

The Tiff_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds write past the end of an allocated buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13194)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34299

The Tiff_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to leak information in the context of the current process. (ZDI-CAN-13192)

CVSS v3.1 Base Score	3.3
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:L/I:N/A:N/E:P/RL:O/RC:C
CWE	CWE-126: Buffer Over-read

Vulnerability CVE-2021-34298

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data prior to performing further free operations on an object when parsing BMP files. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13060)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-416: Use After Free

Vulnerability CVE-2021-34297

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing BMP files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13059)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34296

The BMP_Loader.dll library in affected applications lacks proper validation of user-supplied data when parsing BMP files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13057)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-125: Out-of-bounds Read

Vulnerability CVE-2021-34295

The Gif_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing GIF files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13024)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34294

The Gif_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing GIF files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13023)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-125: Out-of-bounds Read

Vulnerability CVE-2021-34293

The Gif_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing GIF files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-13020)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

Vulnerability CVE-2021-34292

The Tiff_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing TIFF files. This could result in an out of bounds read past the end of an allocated buffer. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-12959)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-125: Out-of-bounds Read

Vulnerability CVE-2021-34291

The Gif_loader.dll library in affected applications lacks proper validation of user-supplied data when parsing GIF files. This could result in an out of bounds write past the end of an allocated structure. An attacker could leverage this vulnerability to execute code in the context of the current process. (ZDI-CAN-12956)

CVSS v3.1 Base Score	7.8
CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C
CWE	CWE-787: Out-of-bounds Write

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- Trend Micro Zero Day Initiative for coordinated disclosure

ADDITIONAL INFORMATION

For further inquiries on security vulnerabilities in Siemens products and solutions, please contact the Siemens ProductCERT:

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HISTORY DATA

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