



# CVE-2020-8012

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## CVE-2020-8012

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

Certain versions of [Unified Infrastructure Management](#) from [Broadcom](#) contain the following vulnerability:

CA Unified Infrastructure Management (Nimsoft/UIM) 20.1, 20.3.x, and 9.20 and below contains a buffer overflow vulnerability in the robot (controller) component. A remote attacker can execute arbitrary code.

CVE-2020-8012 has been assigned by vuln@ca.com to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: **CA Technologies - A Broadcom Company - CA Unified Infrastructure Management (Nimsoft/UIM)** version **9.20 and below**

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>PARTIAL</b>    | <b>PARTIAL</b>      |

## CVE References

| Description             | Tags                                                              | Link                                                                                                                        |
|-------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Broadcom Support Portal | <a href="#">support.broadcom.com</a><br><a href="#">text/html</a> | <a href="#">MISC support.broadcom.com/external/content/security-advisories/CA20200205-01-Security-Notice-for-CA-Uified-</a> |

|                                                                                  |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nimsoft nimcontroller 7.80 Remote Code Execution ≈ Packet Storm                  | <a href="#">packetstormsecurity.com</a><br><a href="#">text/html</a>                                  |  MISC <a href="https://packetstormsecurity.com/files/156577/Nimsoft-nimcontroller-7.80-Remote-Code-Execution.html">packetstormsecurity.com/files/156577/Nimsoft-nimcontroller-7.80-Remote-Code-Execution.html</a>                                                                                                                              |
| Broadcom Support Portal                                                          | <a href="#">Vendor Advisory</a><br><a href="#">techdocs.broadcom.com</a><br><a href="#">text/html</a> |  CONFIRM <a href="https://techdocs.broadcom.com/us/product-content/status/announcement-documents/2019/ca20200205-01-security-notice-for-ca-unified-infrastructure-management.html">techdocs.broadcom.com/us/product-content/status/announcement-documents/2019/ca20200205-01-security-notice-for-ca-unified-infrastructure-management.html</a> |
| CA Unified Infrastructure Management Nimsoft 7.80 Buffer Overflow ≈ Packet Storm | <a href="#">packetstormsecurity.com</a><br><a href="#">text/html</a>                                  |  MISC <a href="https://packetstormsecurity.com/files/158693/CA-Unified-Infrastructure-Management-Nimsoft-7.80-Buffer-Overflow.html">packetstormsecurity.com/files/158693/CA-Unified-Infrastructure-Management-Nimsoft-7.80-Buffer-Overflow.html</a>                                                                                            |

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There are currently no QIDs associated with this CVE

#### Exploit/POC from Github

CVE-2020-8012, CVE-2016-10709, CVE-2017-17099, CVE-2017-18047, CVE-2019-1003000, CVE-2018-1999002

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

| Type                                                                 | Vendor                   | Product                                           | Version | Update | Edition | Language |
|----------------------------------------------------------------------|--------------------------|---------------------------------------------------|---------|--------|---------|----------|
| Application                                                          | <a href="#">Broadcom</a> | <a href="#">Unified Infrastructure Management</a> | 20.1    | All    | All     | All      |
| Application                                                          | <a href="#">Broadcom</a> | <a href="#">Unified Infrastructure Management</a> | All     | All    | All     | All      |
| Application                                                          | <a href="#">Broadcom</a> | <a href="#">Unified Infrastructure Management</a> | All     | All    | All     | All      |
| cpe:2.3:a:broadcom:unified_infrastructure_management:20.1:*:*:*:*:*: |                          |                                                   |         |        |         |          |
| cpe:2.3:a:broadcom:unified_infrastructure_management:*:*:*:*:*:      |                          |                                                   |         |        |         |          |
| cpe:2.3:a:broadcom:unified_infrastructure_management:*:*:*:*:*:      |                          |                                                   |         |        |         |          |

No vendor comments have been submitted for this CVE

#### Social Mentions

| Source                                                                                              | Title                                                                                                                                                                                                    | Posted (UTC)        |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @WetworkSecurity | @PentesterLab I'm embarrassed to say ?... but CVE-2020-8012, it was my first time targeting the x64 architecture in... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2022-03-22 17:06:04 |
|  @RemotelyAlerts  | Severity: ???   CA Unified Infrastructure Management (Ni...   CVE-2020-8012   Link for more: <a href="https://alerts.remotelyrmm.com/CVE-2020-8012">alerts.remotelyrmm.com/CVE-2020-8012</a>             | 2022-04-29 16:28:11 |

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