

## ACV-120444

### Source:

- [Axis Communications Heap Overflow and information leakage](#)  
Heap overflow in Axis SSID CGI parser library

### Overview

An adversary that has network access to unpatched Axis devices may be able to exploit a vulnerability in a CGI parsing library resulting in a temporary Denial of Service (DoS) for web browsers accessing the device. This exploit can be achieved without the need for authentication. It is potentially possible for a skilled adversary to develop an exploit (script or attack software) that could execute arbitrary code. No known exploit exists today.

### Risk assessment

Axis devices exposed to (and accessible from) the Internet are at risk. Internet exposed devices indexed by [www.shodan.io](http://www.shodan.io) are at high risk. The risk for Axis devices on a LAN depends on the organization and network environment they are deployed on. A Denial of Service attack will only temporarily affect those using a web browser to access the device while clients and VMS accessing Axis devices over VAPIX (API) are not affected.

### Risk mitigation

Axis recommends updating devices with the latest patched firmware. Internet facing Axis devices should be placed behind a firewall. Follow the [Axis Hardening Guide](#) that provides guidance on how to harden Axis devices and reduce exposure.

### Patched Firmware and Models

Patched firmware for affected products is available for download at <https://www.axis.com/support/firmware>. The release notes for the patched firmware will state "Fixed critical vulnerability ACV-120444"

You may also use AXIS Camera Management (<https://www.axis.com/products/axis-camera-management>) that will help fetching and installing the latest firmware to Axis products in your system.

### Affected Models

A1001, A8004, A8105-E, A9161, A9188, A9188-VE, ACB-LE, ACC-L, ACC-LW, ACD-V, ACD-WV, ACE-L, ACR, C1004-E, C2005, C3003, F34, F41, F44, F44 Dual Audio Input, M1004-W, M1011, M1011-W, M1013, M1014, M1025, M1031-W, M1033-W, M1034-W, M1045-LW, M1054, M1065-L, M1065-LW, M1103, M1104, M1113, M1114, M1124, M1125, M1143-L, M1144-L, M1145, M1145-L, M2014-E, P1204, P1214, P1214-E, P1224-E, P12\_M20, P8524, M2025-LE, M2026-LE, M3004, M3005, M3006, M3007, M3011, M3014, M3024, M3025, M3026, M3027, M3037, M3044-V, M3044-WV, M3045-V, M3045-WV, M3046-1.8mm, M3046-V, M3104-L, M3105-L, M3106-L, M3113-R, M3113-VE, M3114-R, M3114-VE, P8513, P8514, M3203, M3204, M5013, M5014, M7001, M7010, M7014, M7011, M7016, P1244, P1254, P1264, P1311, P1343, P1344, P1346, P1347, P1353, P1354, P1355, P1357, P1364, P1365, P1365Mk\_II, P1405, P1405-LE\_Mk\_II, P1425, P1425-LE\_Mk\_II, P1427, P1428-E, P1435, P3214, P3215, P3224, P3225, P3224\_LV\_LVE\_Mk\_II, P3225\_LV\_LVE\_Mk\_II, P3224\_V\_VE\_Mk\_II, P3225\_V\_VE\_Mk\_II, P3227, P3228, P3301, P3304, P3343, P3344, P3346, P3353, P3354, P3363, P3364, P3365, P3367, P3384, P3707-PE, P3904, P3904-R, P3905, P3915-R, P5414-E, P5415-

Axis Communications AB, Emdalavägen 14, SE-223 69 Lund, Sweden

Tel: +46 46 272 18 00, Fax: +46 46 13 61 30, [www.axis.com](http://www.axis.com)

Vat.No. SE 556253-614301

E, P5512, P5512-E, P5514, P5514-E, P5515, P5515-E, P5522, P5522-E, P5532, P5532-E, P5534, P5534-E, P5544, P5624-E, P5624-E-Mk\_II, P5635-E, P5635-E-Mk\_II, P7210, P7214, P7216, P7224, P7701, P8221, Q1602, Q1604, Q1614, Q1615, Q1635, Q1635-E, Q1615Mk\_II, Q1659, Q1755, Q1755-PT, Q8722-E, Q1765-EX, Q1765-LE, Q1765-LE-PT, Q1775, Q1910, Q1921, Q1922, Q1931-E, Q1931-E-PT, Q1932-E, Q1932-E-PT, Q1941-E, Q1941-E-PT, Q1942-E, Q1942-E-PT, Q1942-EX, Q2901-E, Q2901-E-PT, Q2901-EX, Q3504, Q3505-Mk\_II, Q3505, Q3615, Q3617, Q3708-PVE, Q3709-PVE, Q6000-E, Q6000-E-Mk\_II, Q6032, Q6032-C, Q6032-E, Q6034, Q6034-C, Q6034-E, Q6035, Q6035-C, Q6035-E, Q6042, Q6042-C, Q6042-E, Q6042-S, Q6044, Q6044-C, Q6044-E, Q6044-S, Q6045, Q6045-C, Q6045-C-Mk\_II, Q6045-E, Q6045-E-Mk\_II, Q6045-Mk\_II, Q6045-S, Q6045-S-Mk\_II, Q6052, Q6052-E, Q6054, Q6054-E, Q6055, Q6055-C, Q6055-E, Q6055-S, Q6114-E, Q6115-E, Q6128-E, Q6155-E, Q7401, Q7404, Q7406, Q7411, Q7414, Q7424-R, Q7424-R-Mk\_II, Q7436, Q8414-LVS, Q8631-E, Q8632-E, Q8665-E, Q8665-LE, V5914, V5915