



CVE-2021-30317

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

| | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| CVE | CVE-2021-30317 |
| State | PUBLIC |
| Assigner | product-security@qualcomm.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2022-02-11 11:15:00 UTC |
| Updated | 2022-02-18 13:53:00 UTC |
| Description | Improper validation of program headers containing ELF metadata can lead to image verification bypass in Snapdragon Auto |

Risk And Classification

Problem Types: CWE-287

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|----------|--------------------|---------|--------|---------|----------|
| Hardware | Qualcomm | Aqt1000 | - | All | All | All |
| Operating System | Qualcomm | Aqt1000 Firmware | - | All | All | All |
| Hardware | Qualcomm | Ar8031 | - | All | All | All |
| Operating System | Qualcomm | Ar8031 Firmware | - | All | All | All |
| Hardware | Qualcomm | Ar8035 | - | All | All | All |
| Operating System | Qualcomm | Ar8035 Firmware | - | All | All | All |
| Hardware | Qualcomm | Csra6620 | - | All | All | All |
| Operating System | Qualcomm | Csra6620 Firmware | - | All | All | All |
| Hardware | Qualcomm | Csra6640 | - | All | All | All |
| Operating System | Qualcomm | Csra6640 Firmware | - | All | All | All |
| Hardware | Qualcomm | Csrb31024 | - | All | All | All |
| Operating System | Qualcomm | Csrb31024 Firmware | - | All | All | All |
| Hardware | Qualcomm | Mdm9150 | - | All | All | All |
| Operating System | Qualcomm | Mdm9150 Firmware | - | All | All | All |
| Hardware | Qualcomm | Mdm9250 | - | All | All | All |
| Operating System | Qualcomm | Mdm9250 Firmware | - | All | All | All |
| Hardware | Qualcomm | Mdm9650 | - | All | All | All |

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|------------------|----------|--------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Mdm9650 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6174a | - | All | All | All |
| Operating System | Qualcomm | Qca6174a Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6390 | - | All | All | All |
| Operating System | Qualcomm | Qca6390 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6391 | - | All | All | All |
| Operating System | Qualcomm | Qca6391 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6420 | - | All | All | All |
| Operating System | Qualcomm | Qca6420 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6426 | - | All | All | All |
| Operating System | Qualcomm | Qca6426 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6430 | - | All | All | All |
| Operating System | Qualcomm | Qca6430 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6436 | - | All | All | All |
| Operating System | Qualcomm | Qca6436 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6564a | - | All | All | All |
| Hardware | Qualcomm | Qca6564au | - | All | All | All |
| Operating System | Qualcomm | Qca6564au Firmware | - | All | All | All |
| Operating System | Qualcomm | Qca6564a Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6574a | - | All | All | All |
| Hardware | Qualcomm | Qca6574au | - | All | All | All |
| Operating System | Qualcomm | Qca6574au Firmware | - | All | All | All |
| Operating System | Qualcomm | Qca6574a Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6595au | - | All | All | All |
| Operating System | Qualcomm | Qca6595au Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6696 | - | All | All | All |
| Operating System | Qualcomm | Qca6696 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca8337 | - | All | All | All |
| Operating System | Qualcomm | Qca8337 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca9377 | - | All | All | All |
| Operating System | Qualcomm | Qca9377 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca9984 | - | All | All | All |
| Operating System | Qualcomm | Qca9984 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcm2290 | - | All | All | All |
| Operating System | Qualcomm | Qcm2290 Firmware | - | All | All | All |

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|------------------|----------|------------------|---|-----|-----|-----|
| Hardware | Qualcomm | Qcm4290 | - | All | All | All |
| Operating System | Qualcomm | Qcm4290 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcm6125 | - | All | All | All |
| Operating System | Qualcomm | Qcm6125 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcm6490 | - | All | All | All |
| Operating System | Qualcomm | Qcm6490 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcn7605 | - | All | All | All |
| Operating System | Qualcomm | Qcn7605 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcn7606 | - | All | All | All |
| Operating System | Qualcomm | Qcn7606 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs2290 | - | All | All | All |
| Operating System | Qualcomm | Qcs2290 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs405 | - | All | All | All |
| Operating System | Qualcomm | Qcs405 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs410 | - | All | All | All |
| Operating System | Qualcomm | Qcs410 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs4290 | - | All | All | All |
| Operating System | Qualcomm | Qcs4290 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs603 | - | All | All | All |
| Operating System | Qualcomm | Qcs603 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs605 | - | All | All | All |
| Operating System | Qualcomm | Qcs605 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs610 | - | All | All | All |
| Operating System | Qualcomm | Qcs610 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs6125 | - | All | All | All |
| Operating System | Qualcomm | Qcs6125 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs6490 | - | All | All | All |
| Operating System | Qualcomm | Qcs6490 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcx315 | - | All | All | All |
| Operating System | Qualcomm | Qcx315 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa415m | - | All | All | All |
| Operating System | Qualcomm | Sa415m Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa515m | - | All | All | All |
| Operating System | Qualcomm | Sa515m Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa6145p | - | All | All | All |

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|------------------|----------|-------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Sa6145p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa6150p | - | All | All | All |
| Operating System | Qualcomm | Sa6150p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa6155p | - | All | All | All |
| Operating System | Qualcomm | Sa6155p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa8145p | - | All | All | All |
| Operating System | Qualcomm | Sa8145p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa8150p | - | All | All | All |
| Operating System | Qualcomm | Sa8150p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa8155p | - | All | All | All |
| Operating System | Qualcomm | Sa8155p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa8195p | - | All | All | All |
| Operating System | Qualcomm | Sa8195p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd460 | - | All | All | All |
| Operating System | Qualcomm | Sd460 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd480 | - | All | All | All |
| Operating System | Qualcomm | Sd480 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd660 | - | All | All | All |
| Operating System | Qualcomm | Sd660 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd662 | - | All | All | All |
| Operating System | Qualcomm | Sd662 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd665 | - | All | All | All |
| Operating System | Qualcomm | Sd665 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd675 | - | All | All | All |
| Operating System | Qualcomm | Sd675 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd678 | - | All | All | All |
| Operating System | Qualcomm | Sd678 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd690 5g | - | All | All | All |
| Operating System | Qualcomm | Sd690 5g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd720g | - | All | All | All |
| Operating System | Qualcomm | Sd720g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd730 | - | All | All | All |
| Operating System | Qualcomm | Sd730 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd750g | - | All | All | All |
| Operating System | Qualcomm | Sd750g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd765 | - | All | All | All |

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|------------------|----------|-------------------|---|-----|-----|-----|
| Hardware | Qualcomm | Sd765g | - | All | All | All |
| Operating System | Qualcomm | Sd765g Firmware | - | All | All | All |
| Operating System | Qualcomm | Sd765 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd768g | - | All | All | All |
| Operating System | Qualcomm | Sd768g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd778g | - | All | All | All |
| Operating System | Qualcomm | Sd778g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd7c | - | All | All | All |
| Operating System | Qualcomm | Sd7c Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd845 | - | All | All | All |
| Operating System | Qualcomm | Sd845 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd850 | - | All | All | All |
| Operating System | Qualcomm | Sd850 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd855 | - | All | All | All |
| Operating System | Qualcomm | Sd855 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd865 5g | - | All | All | All |
| Operating System | Qualcomm | Sd865 5g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd870 | - | All | All | All |
| Operating System | Qualcomm | Sd870 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd888 | - | All | All | All |
| Hardware | Qualcomm | Sd888 5g | - | All | All | All |
| Operating System | Qualcomm | Sd888 5g Firmware | - | All | All | All |
| Operating System | Qualcomm | Sd888 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdx12 | - | All | All | All |
| Operating System | Qualcomm | Sdx12 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdx24 | - | All | All | All |
| Operating System | Qualcomm | Sdx24 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdx55 | - | All | All | All |
| Hardware | Qualcomm | Sdx55m | - | All | All | All |
| Operating System | Qualcomm | Sdx55m Firmware | - | All | All | All |
| Operating System | Qualcomm | Sdx55 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdxr1 | - | All | All | All |
| Operating System | Qualcomm | Sdxr1 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdxr2 5g | - | All | All | All |
| Operating System | Qualcomm | Sdxr2 5g Firmware | - | All | All | All |

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|------------------|----------|----------------------|---|-----|-----|-----|
| Hardware | Qualcomm | Sd 675 | - | All | All | All |
| Operating System | Qualcomm | Sd 675 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd 8cx Gen2 | - | All | All | All |
| Operating System | Qualcomm | Sd 8cx Gen2 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm6225 | - | All | All | All |
| Operating System | Qualcomm | Sm6225 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm6250 | - | All | All | All |
| Hardware | Qualcomm | Sm6250p | - | All | All | All |
| Operating System | Qualcomm | Sm6250p Firmware | - | All | All | All |
| Operating System | Qualcomm | Sm6250 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm6375 | - | All | All | All |
| Operating System | Qualcomm | Sm6375 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm7250p | - | All | All | All |
| Operating System | Qualcomm | Sm7250p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm7315 | - | All | All | All |
| Operating System | Qualcomm | Sm7315 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm7325p | - | All | All | All |
| Operating System | Qualcomm | Sm7325p Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9326 | - | All | All | All |
| Operating System | Qualcomm | Wcd9326 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9335 | - | All | All | All |
| Operating System | Qualcomm | Wcd9335 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9340 | - | All | All | All |
| Operating System | Qualcomm | Wcd9340 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9341 | - | All | All | All |
| Operating System | Qualcomm | Wcd9341 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9360 | - | All | All | All |
| Operating System | Qualcomm | Wcd9360 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9370 | - | All | All | All |
| Operating System | Qualcomm | Wcd9370 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9375 | - | All | All | All |
| Operating System | Qualcomm | Wcd9375 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9380 | - | All | All | All |
| Operating System | Qualcomm | Wcd9380 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9385 | - | All | All | All |
| Operating System | Qualcomm | Wcd9385 Firmware | - | All | All | All |

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|------------------|----------|----------------------------------|---|-----|-----|-----|
| Operating System | Qualcomm | wcn9385 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3910 | - | All | All | All |
| Operating System | Qualcomm | Wcn3910 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3950 | - | All | All | All |
| Operating System | Qualcomm | Wcn3950 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3980 | - | All | All | All |
| Operating System | Qualcomm | Wcn3980 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3988 | - | All | All | All |
| Operating System | Qualcomm | Wcn3988 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3990 | - | All | All | All |
| Operating System | Qualcomm | Wcn3990 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3991 | - | All | All | All |
| Operating System | Qualcomm | Wcn3991 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3998 | - | All | All | All |
| Operating System | Qualcomm | Wcn3998 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3999 | - | All | All | All |
| Operating System | Qualcomm | Wcn3999 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6750 | - | All | All | All |
| Operating System | Qualcomm | Wcn6750 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6850 | - | All | All | All |
| Operating System | Qualcomm | Wcn6850 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6851 | - | All | All | All |
| Operating System | Qualcomm | Wcn6851 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6855 | - | All | All | All |
| Operating System | Qualcomm | Wcn6855 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6856 | - | All | All | All |
| Operating System | Qualcomm | Wcn6856 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wsa8810 | - | All | All | All |
| Operating System | Qualcomm | Wsa8810 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wsa8815 | - | All | All | All |
| Operating System | Qualcomm | Wsa8815 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wsa8830 | - | All | All | All |
| Operating System | Qualcomm | Wsa8830 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wsa8835 | - | All | All | All |
| Operating System | Qualcomm | Wsa8835 Firmware | - | All | All | All |

References

| Reference | Source | Link | Tags |
|--------------------------------------------|---------|--------------------------------------------------------|---------------------|
| February 2022 Security Bulletin Qualcomm | CONFIRM | www.qualcomm.com | |
| CVE Program record | CVE.ORG | www.cve.org | canonical |
| NVD vulnerability detail | NVD | nvd.nist.gov | canonical, analysis |

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[610397](#) Google Android Devices February 2022 Security Patch Missing

[610402](#) Google Android March 2022 Security Patch Missing for Samsung

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