



CVE-2019-14049

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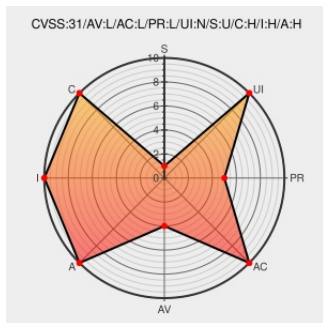
CVE-2019-14049

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

[Print: PDF](#)



Certain versions of [Apq8017](#) from [Qualcomm](#) contain the following vulnerability:

Stage-2 fault will occur while writing to an ION system allocation which has been assigned to non-HLOS memory which is non-standard in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music in

APQ8017, APQ8053, APQ8096AU, MDM9206, MDM9207C, MDM9607, MDM9640, MSM8953, QCN7605, QCS605, SC8180X, SDA845, SDM429, SDM439, SDM450, SDM632, SDX20, SDX24, SDX55, SM8150, SXR1130

CVE-2019-14049 has been assigned by [Q](#) product-security@qualcomm.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Q](#) **Qualcomm, Inc. - Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music** version **APQ8017, APQ8053, APQ8096AU, MDM9206, MDM9207C, MDM9607, MDM9640, MSM8953, QCN7605, QCS605, SC8180X, SDA845, SDM429, SDM439, SDM450, SDM632, SDX20, SDX24, SDX55, SM8150, SXR1130**

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **7.2 - HIGH**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact

COMPLETE

COMPLETE

COMPLETE

CVE References

Description	Tags	Link
February 2020 Security Bulletin Qualcomm	Patch Vendor Advisory www.qualcomm.com text/html	Q CONFIRM www.qualcomm.com/company/product-security/bulletins/february-2020-bulletin

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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
Hardware 	Qualcomm	Apq8017	-	All	All	All
Hardware 	Qualcomm	Apq8017	-	All	All	All
Operating System	Qualcomm	Apq8017 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8017 Firmware	-	All	All	All
Hardware 	Qualcomm	Apq8053	-	All	All	All
Hardware 	Qualcomm	Apq8053	-	All	All	All
Operating System	Qualcomm	Apq8053 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8053 Firmware	-	All	All	All
Hardware 	Qualcomm	Apq8096au	-	All	All	All
Hardware 	Qualcomm	Apq8096au	-	All	All	All
Operating System	Qualcomm	Apq8096au Firmware	-	All	All	All
Operating System	Qualcomm	Apq8096au Firmware	-	All	All	All
Hardware 	Qualcomm	Mdm9206	-	All	All	All
Hardware 	Qualcomm	Mdm9206	-	All	All	All
Operating System	Qualcomm	Mdm9206 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9206 Firmware	-	All	All	All

Hardware  	Qualcomm	Mdm9207c	-	All	All	All
Hardware  	Qualcomm	Mdm9207c	-	All	All	All
Operating System	Qualcomm	Mdm9207c Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9207c Firmware	-	All	All	All
Hardware  	Qualcomm	Mdm9607	-	All	All	All
Hardware  	Qualcomm	Mdm9607	-	All	All	All
Operating System	Qualcomm	Mdm9607 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9607 Firmware	-	All	All	All
Hardware  	Qualcomm	Mdm9640	-	All	All	All
Hardware  	Qualcomm	Mdm9640	-	All	All	All
Operating System	Qualcomm	Mdm9640 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9640 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8953	-	All	All	All
Hardware  	Qualcomm	Msm8953	-	All	All	All
Operating System	Qualcomm	Msm8953 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8953 Firmware	-	All	All	All
Hardware  	Qualcomm	Qcn7605	-	All	All	All
Hardware  	Qualcomm	Qcn7605	-	All	All	All
Operating System	Qualcomm	Qcn7605 Firmware	-	All	All	All
Operating System	Qualcomm	Qcn7605 Firmware	-	All	All	All
Hardware  	Qualcomm	Qcs605	-	All	All	All
Hardware  	Qualcomm	Qcs605	-	All	All	All
Operating System	Qualcomm	Qcs605 Firmware	-	All	All	All
Operating System	Qualcomm	Qcs605 Firmware	-	All	All	All
Hardware  	Qualcomm	Sc8180x	-	All	All	All
Hardware  	Qualcomm	Sc8180x	-	All	All	All
Operating	Qualcomm	Sc8180x Firmware	-	All	All	All

System						
Operating System	Qualcomm	Sc8180x Firmware	-	All	All	All
Hardware  	Qualcomm	Sda845	-	All	All	All
Hardware  	Qualcomm	Sda845	-	All	All	All
Operating System	Qualcomm	Sda845 Firmware	-	All	All	All
Operating System	Qualcomm	Sda845 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm429	-	All	All	All
Hardware  	Qualcomm	Sdm429	-	All	All	All
Operating System	Qualcomm	Sdm429 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm429 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm439	-	All	All	All
Hardware  	Qualcomm	Sdm439	-	All	All	All
Operating System	Qualcomm	Sdm439 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm439 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm450	-	All	All	All
Hardware  	Qualcomm	Sdm450	-	All	All	All
Operating System	Qualcomm	Sdm450 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm450 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm632	-	All	All	All
Hardware  	Qualcomm	Sdm632	-	All	All	All
Operating System	Qualcomm	Sdm632 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm632 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdx20	-	All	All	All
Hardware  	Qualcomm	Sdx20	-	All	All	All
Operating System	Qualcomm	Sdx20 Firmware	-	All	All	All
Operating System	Qualcomm	Sdx20 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdx24	-	All	All	All

Hardware		Sdx24	-	All	All	All
Operating System	Qualcomm	Sdx24 Firmware	-	All	All	All
Operating System	Qualcomm	Sdx24 Firmware	-	All	All	All
Hardware		Sdx55	-	All	All	All
Hardware		Sdx55	-	All	All	All
Operating System	Qualcomm	Sdx55 Firmware	-	All	All	All
Operating System	Qualcomm	Sdx55 Firmware	-	All	All	All
Hardware		Sm8150	-	All	All	All
Hardware		Sm8150	-	All	All	All
Operating System	Qualcomm	Sm8150 Firmware	-	All	All	All
Operating System	Qualcomm	Sm8150 Firmware	-	All	All	All
Hardware		Sxr1130	-	All	All	All
Hardware		Sxr1130	-	All	All	All
Operating System	Qualcomm	Sxr1130 Firmware	-	All	All	All
Operating System	Qualcomm	Sxr1130 Firmware	-	All	All	All
cpe:2.3:h:qualcomm:apq8017:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:apq8017:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:apq8017_firmware:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:apq8017_firmware:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:apq8053:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:apq8053:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:apq8053_firmware:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:apq8053_firmware:-:*:*:*:*::~:						
cpe:2.3:h:qualcomm:apq8096au:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:apq8096au:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:apq8096au_firmware:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:apq8096au_firmware:-:*:*:*:*::~:						

cpe:2.3:h:qualcomm:mdm9206:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:mdm9206:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:mdm9206_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:mdm9206_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:mdm9207c:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:mdm9207c:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:mdm9207c_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:mdm9207c_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:mdm9607:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:mdm9607:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:mdm9607_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:mdm9607_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:mdm9640:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:mdm9640:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:mdm9640_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:mdm9640_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:msm8953:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:msm8953:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:msm8953_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:msm8953_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:qcn7605:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:qcn7605:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:qcn7605_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:qcn7605_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:qcs605:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:qcs605:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:qcs605_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:qcs605_firmware:-:~::~~::~~::~~::~~::~~::~~:::

cpe:2.3:h:qualcomm:sc8180x:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:sc8180x:-:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sc8180x_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sc8180x_firmware:-:*:*:*:*:*
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cpe:2.3:h:qualcomm:sda845:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sda845:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sda845 firmware:-:*:*:*:*:*:*
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cpe:2.3:o:qualcomm:sda845_firmware:-:*:*:*:*:*:
```

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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm429 firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdm439_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm439 firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:h:qualcomm:sdm450:-:*:*:*:*:*:*:
```

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cpe:2.3:h:qualcomm:sdm450:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm450_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm450_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm632:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm632:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm632_firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:sdm632_firmware:-:*:*:*:*:*:*
```

cpe:2.3:h:qualcomm:sdx20:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdx20:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdx20 firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdx20_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sdx24:-:*:*:*:*:*:*:

