



CVE-2019-14001

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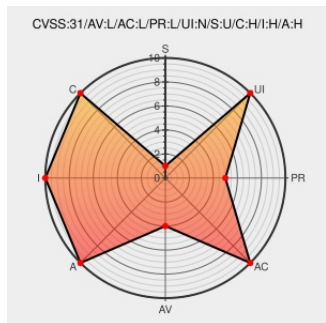
CVE-2019-14001

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Apq8009](#) from [Qualcomm](#) contain the following vulnerability:

Wrong public key usage from existing oem_keystore for hash generation in Snapdragon Auto, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables in APQ8009, APQ8017, APQ8053, APQ8096AU, MDM9206, MDM9207C, MDM9607, MDM9650,

MSM8905, MSM8909W, MSM8917, MSM8953, MSM8996AU, QM215, SDM429, SDM429W, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDX20

CVE-2019-14001 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 Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables version APQ8009, APQ8017, APQ8053, APQ8096AU, MDM9206, MDM9207C, MDM9607, MDM9650, MSM8905, MSM8909W, MSM8917, MSM8953, MSM8996AU, QM215, SDM429, SDM429W, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDX20

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: **4.6 - MEDIUM**

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

CVE References

Description	Tags	Link
April 2020 Bulletin Qualcomm	Patch Vendor Advisory www.qualcomm.com text/html	CONFIRM www.qualcomm.com/company/product-security/bulletins/april-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	Apq8009	-	All	All	All
Hardware 	Qualcomm	Apq8009	-	All	All	All
Operating System	Qualcomm	Apq8009 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8009 Firmware	-	All	All	All
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
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	Mdm9650	-	All	All	All
Hardware 	Qualcomm	Mdm9650	-	All	All	All
Operating System	Qualcomm	Mdm9650 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9650 Firmware	-	All	All	All
Hardware 	Qualcomm	Msm8905	-	All	All	All
Hardware 	Qualcomm	Msm8905	-	All	All	All
Operating System	Qualcomm	Msm8905 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8905 Firmware	-	All	All	All
Hardware 	Qualcomm	Msm8909w	-	All	All	All
Hardware 	Qualcomm	Msm8909w	-	All	All	All
Operating System	Qualcomm	Msm8909w Firmware	-	All	All	All
Operating System	Qualcomm	Msm8909w Firmware	-	All	All	All
Hardware 	Qualcomm	Msm8917	-	All	All	All
Hardware 	Qualcomm	Msm8917	-	All	All	All
Operating System	Qualcomm	Msm8917 Firmware	-	All	All	All

Operating System	Qualcomm	Msm8917 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	Msm8996au	-	All	All	All
Hardware  	Qualcomm	Msm8996au	-	All	All	All
Operating System	Qualcomm	Msm8996au Firmware	-	All	All	All
Operating System	Qualcomm	Msm8996au Firmware	-	All	All	All
Hardware  	Qualcomm	Qm215	-	All	All	All
Hardware  	Qualcomm	Qm215	-	All	All	All
Operating System	Qualcomm	Qm215 Firmware	-	All	All	All
Operating System	Qualcomm	Qm215 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm429	-	All	All	All
Hardware  	Qualcomm	Sdm429	-	All	All	All
Hardware  	Qualcomm	Sdm429w	-	All	All	All
Hardware  	Qualcomm	Sdm429w	-	All	All	All
Operating System	Qualcomm	Sdm429w Firmware	-	All	All	All
Operating System	Qualcomm	Sdm429w Firmware	-	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

Hardware 	Qualcomm	Sdm450	-	All	All	All
Operating System	Qualcomm	Sdm450 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm450 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm630	-	All	All	All
Hardware  	Qualcomm	Sdm630	-	All	All	All
Operating System	Qualcomm	Sdm630 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm630 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	Sdm636	-	All	All	All
Hardware  	Qualcomm	Sdm636	-	All	All	All
Operating System	Qualcomm	Sdm636 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm636 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm660	-	All	All	All
Hardware  	Qualcomm	Sdm660	-	All	All	All
Operating System	Qualcomm	Sdm660 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm660 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
cpe:2.3:h:qualcomm:apq8009:-:*****:						
cpe:2.3:h:qualcomm:apq8009:-:*****:						
cpe:2.3:o:qualcomm:apq8009_firmware:-:*****:						
cpe:2.3:o:qualcomm:apq8009_firmware:-:*****:						

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:mdm9650:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:mdm9650:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9650_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:mdm9650_firmware:-:*:*:*:*:*:*
```

cpe:2.3:h:qualcomm:msm8905:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8905:-:*:*:*:*:*:*:

cpe:2.3:o:qualcomm:msm8905_firmware:-:*:*:*:*:*:

cpe:2.3:o:qualcomm:msm8905_firmware:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8909w:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8909w:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:msm8917:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8917:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*:
```

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cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:*:

cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*:

cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*.*

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cpe:2.3:h:qualcomm:msm8996au:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:msm8996au:-:*:*:*:*:*:*:
```

cpe:2.3:o:qualcomm:msm8996au_firmware:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8996au firmware:-.*:.*:.*:.*:.*:.*
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cpe:2.3:h:qualcomm:qm215:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:qm215:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:qm215_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:qm215_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429w:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdm429w:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sdm429w firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm429w_firmware:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm439_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm439 firmware:-:*:*:*:*:*:*
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cpe:2.3:h:qualcomm:sdm450:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm450:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm450_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm450_firmware:-:*:*:*:*:*:*
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```
cpe:2.3:h:qualcomm:sdm630:-:*:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:sdm630:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm630_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:sdm630_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm632:-:*:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:sdm632:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm632_firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm632_firmware:-:*:*:*:*:*:*
```

cpe:2.3:h:qualcomm:sdm636:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdm636:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdm636_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm636 firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:h:qualcomm:sdm660:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm660:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm660_firmware:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm660_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:o:qualcomm:sdx20_firmware:-:*.*****:
```

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

No vendor comments have been submitted for this CVE

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