



CVE-2017-18304

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CVE-2017-18304

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

Certain versions of [Fsm9055](#) from [Qaulcomm](#) contain the following vulnerability:

Insufficient memory allocation in boot due to incorrect size being passed could result in out of bounds access in Small Cell SoC, Snapdragon Automobile, Snapdragon Mobile and Snapdragon Wear in version FSM9055, MDM9206, MDM9607, MDM9640, MDM9650, MSM8909W, MSM8996AU, SD 210/SD 212/SD 205, SD 425, SD 430, SD 450, SD 615/16/SD 415, SD 617, SD 625, SD 650/52, SD 810, SD 820, SD 820A, SD 835, SDA660 and SDX20

CVE-2017-18304 has been assigned by [Q](#) product-security@qualcomm.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Q](#) Qualcomm, Inc. - Small Cell SoC, Snapdragon Automobile, Snapdragon Mobile, Snapdragon Wear version **FSM9055, MDM9206, MDM9607, MDM9640, MDM9650, MSM8909W, MSM8996AU, SD 210/SD 212/SD 205, SD 425, SD 430, SD 450, SD 615/16/SD 415, SD 617, SD 625, SD 650/52, SD 810, SD 820, SD 820A, SD 835, SDA660, 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: **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
Android Security Bulletin—August 2018 Android Open Source Project	Third Party Advisory source.android.com text/html	 CONFIRM source.android.com/security/bulletin/2018-08-01#qualcomm-closed-source-components
Google Android Multiple Flaws Let Remote Users Execute Arbitrary Code and Let Applications Gain Elevated Privileges and Obtain Potentially Sensitive Information - SecurityTracker	Third Party Advisory VDB Entry www.securitytracker.com text/html	 SECURITYTRACKER 1041432
Bulletins Qualcomm	Vendor Advisory www.qualcomm.com text/html	 CONFIRM www.qualcomm.com/company/product-security/bulletins

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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	Fsm9055	-	All	All	All
Hardware 	Qualcomm	Fsm9055	-	All	All	All
Operating System	Qualcomm	Fsm9055 Firmware	-	All	All	All
Operating System	Qualcomm	Fsm9055 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	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	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	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	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	Sda660	-	All	All	All
Hardware 	Qualcomm	Sda660	-	All	All	All
Operating System	Qualcomm	Sda660 Firmware	-	All	All	All
Operating System	Qualcomm	Sda660 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	Sd 205	-	All	All	All
Hardware 	Qualcomm	Sd 205	-	All	All	All
Operating System	Qualcomm	Sd 205 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 205 Firmware	-	All	All	All

Hardware  	Qualcomm	Sd 210	-	All	All	All
Hardware  	Qualcomm	Sd 210	-	All	All	All
Operating System	Qualcomm	Sd 210 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 210 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 212	-	All	All	All
Hardware  	Qualcomm	Sd 212	-	All	All	All
Operating System	Qualcomm	Sd 212 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 212 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 415	-	All	All	All
Hardware  	Qualcomm	Sd 415	-	All	All	All
Operating System	Qualcomm	Sd 415 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 415 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 425	-	All	All	All
Hardware  	Qualcomm	Sd 425	-	All	All	All
Operating System	Qualcomm	Sd 425 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 425 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 430	-	All	All	All
Hardware  	Qualcomm	Sd 430	-	All	All	All
Operating System	Qualcomm	Sd 430 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 430 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 450	-	All	All	All
Hardware  	Qualcomm	Sd 450	-	All	All	All
Operating System	Qualcomm	Sd 450 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 450 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 615	-	All	All	All
Hardware  	Qualcomm	Sd 615	-	All	All	All
Operating	Qualcomm	Sd 615 Firmware	-	All	All	All

System						
Operating System	Qualcomm	Sd 615 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 616	-	All	All	All
Hardware  	Qualcomm	Sd 616	-	All	All	All
Operating System	Qualcomm	Sd 616 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 616 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 617	-	All	All	All
Hardware  	Qualcomm	Sd 617	-	All	All	All
Operating System	Qualcomm	Sd 617 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 617 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 625	-	All	All	All
Hardware  	Qualcomm	Sd 625	-	All	All	All
Operating System	Qualcomm	Sd 625 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 625 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 650	-	All	All	All
Hardware  	Qualcomm	Sd 650	-	All	All	All
Operating System	Qualcomm	Sd 650 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 650 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 652	-	All	All	All
Hardware  	Qualcomm	Sd 652	-	All	All	All
Operating System	Qualcomm	Sd 652 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 652 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 810	-	All	All	All
Hardware  	Qualcomm	Sd 810	-	All	All	All
Operating System	Qualcomm	Sd 810 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 810 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 820	-	All	All	All

Hardware		Sd 820	-	All	All	All
Hardware		Sd 820a	-	All	All	All
Hardware		Sd 820a	-	All	All	All
Operating System	Qualcomm	Sd 820a Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820a Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820 Firmware	-	All	All	All
Hardware		Sd 835	-	All	All	All
Hardware		Sd 835	-	All	All	All
Operating System	Qualcomm	Sd 835 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 835 Firmware	-	All	All	All
cpe:2.3:h:qaulcomm:fsm9055:-:~::~:						
cpe:2.3:h:qaulcomm:fsm9055:-:~::~:						
cpe:2.3:o:qaulcomm:fsm9055_firmware:-:~::~:						
cpe:2.3:o:qaulcomm:fsm9055_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: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:mdm9650:-:*:*:*:*:*:*:

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

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

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cpe:2.3:o:qualcomm:mdm9650_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8909w:-:*:*:*:*:*:*:

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

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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:msm8996au:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:msm8996au:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8996au_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8996au_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sda660:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sda660:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sda660 firmware:-:*:*:*:*:*:
```

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cpe:2.3:o:qualcomm:sda660_firmware:-:*:*:*:*:*:
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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:sd_205:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:sd 205:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sd 205 firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sd 205 firmware:-:*:*:*:*:*:
```

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cpe:2.3:h:qualcomm:sd_210:-:*:*:*:*:*:
```

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cpe:2.3:h:qualcomm:sd_210:-:*:*:*:*:*:*:
```

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cpe:2.3:o:qualcomm:sd 210 firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd 210 firmware:-:*:*:*:*:*:
```

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cpe:2.3:h:qualcomm:sd_212:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_212:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_212_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_212_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_415:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_415:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_415_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_415_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_425:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_425:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_425_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_425_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_430:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_430:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_430_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_430_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_450:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_450:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_450_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_450_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_615:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_615:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_615_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_615_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_616:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_616:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_616_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_616_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_617:-:~::~~::~~::~~::~~::~~::~~:::

cpe:2.3:h:qualcomm:sd_617:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_617_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_617_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_625:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_625:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_625_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_625_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_650:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_650:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_650_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_650_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_652:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_652:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_652_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_652_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_810:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_810:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_810_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_810_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_820:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_820:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_820a:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_820a:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_820a_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_820a_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_820_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_820_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_835:-:~::~~::~~::~~::~~::~~::~~:::

```
cpe:2.3:h:qualcomm:sd_835:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_835_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_835_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_835:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_835_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_835_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_835:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_835_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_835_firmware:-:*:*:*:*:*:
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No vendor comments have been submitted for this CVE

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