



CVE-2019-10548

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CVE-2019-10548

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

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

While trying to obtain datad ipc handle during DPL initialization, Heap use-after-free issue can occur if modem SSR occurs at same time in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Wearables in APQ8009, APQ8053, APQ8096AU,

MSM8905, MSM8909, MSM8909W, MSM8917, MSM8920, MSM8937, MSM8939, MSM8940, MSM8953, MSM8996AU, MSM8998, Nicobar, QCA6574AU, QCS605, QM215, SDA660, SDM429, SDM429W, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDM670, SDM710, SDM845, SM6150, SM7150, SM8150, SXR1130

CVE-2019-10548 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 IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Wearables version APQ8009, APQ8053, APQ8096AU, MSM8905, MSM8909, MSM8909W, MSM8917, MSM8920, MSM8937, MSM8939, MSM8940, MSM8953, MSM8996AU, MSM8998, Nicobar, QCA6574AU, QCS605, QM215, SDA660, SDM429, SDM429W, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDM670, SDM710, SDM845, SM6150, SM7150, 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
January 2020 Security Bulletin Qualcomm	Vendor Advisory www.qualcomm.com text/html	Q CONFIRM www.qualcomm.com/company/product-security/bulletins/january-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	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	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

Operating System	Qualcomm	Msm8909 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8909	-	All	All	All
Hardware  	Qualcomm	Msm8909	-	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
Operating System	Qualcomm	Msm8909 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8909 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	Msm8920	-	All	All	All
Hardware  	Qualcomm	Msm8920	-	All	All	All
Operating System	Qualcomm	Msm8920 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8920 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8937	-	All	All	All
Hardware  	Qualcomm	Msm8937	-	All	All	All
Operating System	Qualcomm	Msm8937 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8937 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8939	-	All	All	All
Hardware  	Qualcomm	Msm8939	-	All	All	All
Operating System	Qualcomm	Msm8939 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8939 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8940	-	All	All	All
Hardware  	Qualcomm	Msm8940	-	All	All	All

Operating System	Qualcomm	Msm8940 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8940 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	Msm8998	-	All	All	All
Hardware  	Qualcomm	Msm8998	-	All	All	All
Operating System	Qualcomm	Msm8998 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8998 Firmware	-	All	All	All
Hardware  	Qualcomm	Nicobar	-	All	All	All
Hardware  	Qualcomm	Nicobar	-	All	All	All
Operating System	Qualcomm	Nicobar Firmware	-	All	All	All
Operating System	Qualcomm	Nicobar Firmware	-	All	All	All
Hardware  	Qualcomm	Qca6574au	-	All	All	All
Hardware  	Qualcomm	Qca6574au	-	All	All	All
Operating System	Qualcomm	Qca6574au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6574au 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	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	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	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
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

System						
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	Sdm670	-	All	All	All
Hardware  	Qualcomm	Sdm670	-	All	All	All
Operating System	Qualcomm	Sdm670 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm670 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm710	-	All	All	All
Hardware  	Qualcomm	Sdm710	-	All	All	All
Operating System	Qualcomm	Sdm710 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm710 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm845	-	All	All	All
Hardware  	Qualcomm	Sdm845	-	All	All	All
Operating System	Qualcomm	Sdm845 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm845 Firmware	-	All	All	All
Hardware  	Qualcomm	Sm6150	-	All	All	All

Hardware		Sm6150	-	All	All	All
Operating System	Qualcomm	Sm6150 Firmware	-	All	All	All
Operating System	Qualcomm	Sm6150 Firmware	-	All	All	All
Hardware		Sm7150	-	All	All	All
Hardware		Sm7150	-	All	All	All
Operating System	Qualcomm	Sm7150 Firmware	-	All	All	All
Operating System	Qualcomm	Sm7150 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: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: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: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:msm8909:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:msm8909:-:*:*:*:*:*:*:
```

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

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

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

```
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:msm8909_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8909 firmware:-.*:.*:.*:.*:.*:.*
```

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

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

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

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

```
cpe:2.3:h:qualcomm:msm8920:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:msm8920:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8920 firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:msm8920 firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:h:qualcomm:msm8937:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:msm8937:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8937_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:msm8937 firmware:-:*:*:*:*:*:*
```

cpe:2.3:h:qualcomm:msm8939:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:msm8939:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8939_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8939_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:msm8940:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:msm8940:-:*~::~:
cpe:2.3:o:qualcomm:msm8940_firmware:-:*~::~:
cpe:2.3:h:qualcomm:msm8953:-:*~::~:
cpe:2.3:o:qualcomm:msm8953_firmware:-:*~::~:
cpe:2.3:h:qualcomm:msm8996au:-:*~::~:
cpe:2.3:o:qualcomm:msm8996au_firmware:-:*~::~:
cpe:2.3:h:qualcomm:msm8998:-:*~::~:
cpe:2.3:o:qualcomm:msm8998_firmware:-:*~::~:
cpe:2.3:h:qualcomm:nicobar:-:*~::~:
cpe:2.3:o:qualcomm:nicobar_firmware:-:*~::~:
cpe:2.3:h:qualcomm:qca6574au:-:*~::~:
cpe:2.3:o:qualcomm:qca6574au_firmware:-:*~::~:
cpe:2.3:h:qualcomm:qcs605:-:*~::~:
cpe:2.3:o:qualcomm:qcs605_firmware:-:*~::~:
cpe:2.3:h:qualcomm:qm215:-:*~::~:

cpe:2.3:h:qualcomm:qm215:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qm215 firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:qm215 firmware:-.*:.*:.*:.*:.*:.*:.*:.*
```

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

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

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

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

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

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

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

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

```
cpe:2.3:o:qualcomm:sdm429w firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:sdm429w_firmware:-:*:*:*:*:*:
```

```
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:-:*:*:*:*:*:*:

```
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:sdm630:-:*:*:*:*:*:*:
```

```
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:-:*:*:*:*:*:*:

[illegible]

cpe:2.3:n:qualcomm:sdm632:-:*****:
cpe:2.3:o:qualcomm:sdm632_firmware:-:*****:
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:-:*****:
cpe:2.3:o:qualcomm:sdm660_firmware:-:*****:
cpe:2.3:h:qualcomm:sdm670:-:*****:
cpe:2.3:h:qualcomm:sdm670:-:*****:
cpe:2.3:o:qualcomm:sdm670_firmware:-:*****:
cpe:2.3:o:qualcomm:sdm670_firmware:-:*****:
cpe:2.3:h:qualcomm:sdm710:-:*****:
cpe:2.3:h:qualcomm:sdm710:-:*****:
cpe:2.3:o:qualcomm:sdm710_firmware:-:*****:
cpe:2.3:o:qualcomm:sdm710_firmware:-:*****:
cpe:2.3:h:qualcomm:sdm845:-:*****:
cpe:2.3:h:qualcomm:sdm845:-:*****:
cpe:2.3:o:qualcomm:sdm845_firmware:-:*****:
cpe:2.3:o:qualcomm:sdm845_firmware:-:*****:
cpe:2.3:h:qualcomm:sm6150:-:*****:
cpe:2.3:h:qualcomm:sm6150:-:*****:
cpe:2.3:o:qualcomm:sm6150_firmware:-:*****:
cpe:2.3:o:qualcomm:sm6150_firmware:-:*****:
cpe:2.3:h:qualcomm:sm7150:-:*****:
cpe:2.3:h:qualcomm:sm7150:-:*****:

cpe:2.3:o:qualcomm:sm7150_firmware:-:*****:
cpe:2.3:o:qualcomm:sm7150_firmware:-:*****:
cpe:2.3:h:qualcomm:sm8150:-:*****:
cpe:2.3:h:qualcomm:sm8150:-:*****:
cpe:2.3:o:qualcomm:sm8150_firmware:-:*****:
cpe:2.3:o:qualcomm:sm8150_firmware:-:*****:
cpe:2.3:h:qualcomm:sxr1130:-:*****:
cpe:2.3:h:qualcomm:sxr1130:-:*****:
cpe:2.3:o:qualcomm:sxr1130_firmware:-:*****:
cpe:2.3:o:qualcomm:sxr1130_firmware:-:*****:

No vendor comments have been submitted for this CVE

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