



## Product Security

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# CentOS Security Enhancements/Kernel Upgrade

### Feature Summary and Revision History

**Table 1: Summary Data**

Applicable Product(s) or Functional Area	CPS
Applicable Platform(s)	Not Applicable
Default Setting	Not Applicable
Related Changes in This Release	Not Applicable
Related Documentation	Not Applicable

**Table 2: Revision History**

Revision Details	Release
Kernel upgraded to 3.10.0-957.12.2.el7 Grafana upgraded to 6.2.2-1	19.4.0
CentOS upgraded to 7.6 (1810) Kernel upgraded to 3.10.0-957.10.1.el7	19.3.0
Kernel upgraded to 3.10.0-957.5.1.el7	19.2.0
Kernel upgraded to 3.10.0-957.el7	19.1.0
First introduced: kernel upgraded to 3.10.0-862.14.4.el7.x86_64	18.5.0

## Feature Description

In this release, the following upgrades have been done to fix the vulnerabilities:

- Kernel upgraded from 3.10.0-957.10.1.el7 to 3.10.0-957.12.2.el7
- Grafana upgraded from 4.6.3-1 to 6.2.2-1

For service related issues, you can use `journalctl` to get `systemctl` logs.

The following tables list the vulnerabilities that have been fixed as a part of this release:

**Table 3: Cisco Internal Alert Manager (CIAM) CVEs**

CVE	Name
CVE-2019-8324	ruby (CESA-2019:1235)
CVE-2019-8322	ruby (CESA-2019:1235)
CVE-2019-8323	ruby (CESA-2019:1235)
CVE-2019-8325	ruby (CESA-2019:1235)
CVE-2019-5953	wget (CESA-2019:1228)
CVE-2019-6974	kernel (CESA-2019:0818)
CVE-2019-7221	kernel (CESA-2019:0818)
CVE-2018-12130	kernel (CESA-2019:1168) (MDSUM/RIDL) (MFBDS/RIDL/ZombieLoad) (MLPDS/RIDL)
CVE-2018-12126	kernel (CESA-2019:1168) (MDSUM/RIDL) (MFBDS/RIDL/ZombieLoad) (MLPDS/RIDL)
CVE-2018-12127	kernel (CESA-2019:1168) (MDSUM/RIDL) (MFBDS/RIDL/ZombieLoad) (MLPDS/RIDL)
CVE-2019-11091	kernel (CESA-2019:1168) (MDSUM/RIDL) (MFBDS/RIDL/ZombieLoad) (MLPDS/RIDL)
CVE-2019-9636	python (CESA-2019:0710)
CVE-2016-10745	python-jinja2 (CESA-2019:1022)
CVE-2018-12130	libvirt (CESA-2019:1177) (MDSUM/RIDL) (MFBDS/RIDL/ZombieLoad) (MLPDS/RIDL)
CVE-2018-12126	libvirt (CESA-2019:1177) (MDSUM/RIDL) (MFBDS/RIDL/ZombieLoad) (MLPDS/RIDL)
CVE-2018-12127	libvirt (CESA-2019:1177) (MDSUM/RIDL) (MFBDS/RIDL/ZombieLoad) (MLPDS/RIDL)
CVE-2019-11091	libvirt (CESA-2019:1177) (MDSUM/RIDL) (MFBDS/RIDL/ZombieLoad) (MLPDS/RIDL)

**Table 4: Nessus CVEs**

CVE	Name
CVE-2019-8322	CentOS 7 : ruby (CESA-2019:1235)
CVE-2019-8323	CentOS 7 : ruby (CESA-2019:1235)

<b>CVE</b>	<b>Name</b>
CVE-2019-8324	CentOS 7 : ruby (CESA-2019:1235)
CVE-2019-8325	CentOS 7 : ruby (CESA-2019:1235)
CVE-2019-5953	CentOS 7 : wget (CESA-2019:1228)
CVE-2019-6974	CentOS 7 : kernel (CESA-2019:0818)
CVE-2019-7221	CentOS 7 : kernel (CESA-2019:0818)
CVE-2018-12130	CentOS 7 : kernel (CESA-2019:1168)
CVE-2018-12126	CentOS 7 : kernel (CESA-2019:1168)
CVE-2018-12127	CentOS 7 : kernel (CESA-2019:1168)
CVE-2019-11091	CentOS 7 : kernel (CESA-2019:1168)
CVE-2019-9636	CentOS 7 : python (CESA-2019:0710)
CVE-2016-10745	CentOS 7 : python-jinja2 (CESA-2019:1022)
CVE-2018-12130	CentOS 7 : libvirt (CESA-2019:1177)
CVE-2018-12126	CentOS 7 : libvirt (CESA-2019:1177)
CVE-2018-12127	CentOS 7 : libvirt (CESA-2019:1177)
CVE-2019-11091	CentOS 7 : libvirt (CESA-2019:1177)
CVE-2018-12099	Grafana Dashboard Links Cross-Site Scripting Vulnerability
CVE-2018-15727	Grafana remember me Cookie Authentication Bypass Vulnerability
CVE-2018-19039	Grafana Arbitrary File Read Information Disclosure Vulnerability

