

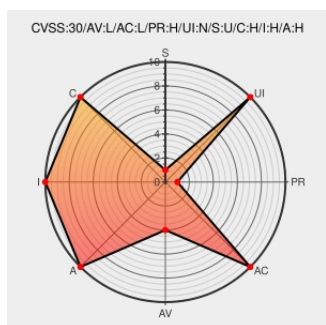


CVE-2020-3458

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CVE-2020-3458 - advisory for cisco-sa-fxos-sbbyp-KqP6NgrE

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

Certain versions of [Adaptive Security Appliance](#) from [Cisco](#) contain the following vulnerability:

Multiple vulnerabilities in the secure boot process of Cisco Adaptive Security Appliance (ASA) Software and Firepower Threat Defense (FTD) Software for the Firepower 1000 Series and Firepower 2100 Series Appliances could allow an authenticated, local attacker to bypass the secure boot mechanism. The vulnerabilities are due to

insufficient protections of the secure boot process. An attacker could exploit these vulnerabilities by injecting code into specific files that are then referenced during the device boot process. A successful exploit could allow the attacker to break the chain of trust and inject code into the boot process of the device, which would be executed at each boot and maintain persistence across reboots.

CVE-2020-3458 has been assigned by [Cisco](#) psirt@cisco.com to track the vulnerability - currently rated as **MEDIUM** severity.

The Cisco Product Security Incident Response Team (PSIRT) is not aware of any public announcements or malicious use of the vulnerabilities that are described in this advisory.

Affected Vendor/Software: [Cisco](#) **Cisco - Cisco Adaptive Security Appliance (ASA) Software** version n/a

CVSS3 Score: **6.7 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	HIGH	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				
Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software for Firepower 1000/2100 Series Appliances Secure Boot Bypass Vulnerabilities	Vendor Advisory tools.cisco.com text/html	🌐 CISCO 20201021 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software for Firepower 1000/2100 Series Appliances Secure Boot Bypass Vulnerabilities				
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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
Application	Cisco	Adaptive Security Appliance	All	All	All	All
Application	Cisco	Adaptive Security Appliance	All	All	All	All
Operating System	Cisco	Adaptive Security Appliance Software	All	All	All	All
Hardware 	Cisco	Firepower 1010	All	All	All	All
Hardware 	Cisco	Firepower 1010	-	All	All	All
Hardware 	Cisco	Firepower 1010	All	All	All	All
Hardware 	Cisco	Firepower 1010	-	All	All	All
Hardware 	Cisco	Firepower 1120	-	All	All	All
Hardware 	Cisco	Firepower 1120	-	All	All	All
Hardware 	Cisco	Firepower 1140	-	All	All	All
Hardware 	Cisco	Firepower 1140	-	All	All	All
Hardware 	Cisco	Firepower 1150	-	All	All	All
Hardware 	Cisco	Firepower 1150	-	All	All	All
Hardware 	Cisco	Firepower 2110	-	All	All	All
Hardware 	Cisco	Firepower 2110	-	All	All	All
Hardware 	Cisco	Firepower 2120	-	All	All	All
Hardware 	Cisco	Firepower 2120	-	All	All	All
Hardware 	Cisco	Firepower 2130	-	All	All	All

Hardware		Cisco	Firepower 2130	-	All	All	All
Hardware		Cisco	Firepower 2130	-	All	All	All
Hardware		Cisco	Firepower 2140	-	All	All	All
Hardware		Cisco	Firepower 2140	-	All	All	All
Application		Cisco	Firepower Threat Defense	All	All	All	All
Application		Cisco	Firepower Threat Defense	6.6.0	All	All	All
Application		Cisco	Firepower Threat Defense	All	All	All	All
Application		Cisco	Firepower Threat Defense	6.6.0	All	All	All
Application		Cisco	Firepower Threat Defense	All	All	All	All
cpe:2.3:a:cisco:adaptive_security_appliance:~::~::~::~:							
cpe:2.3:a:cisco:adaptive_security_appliance:~::~::~::~:							
cpe:2.3:o:cisco:adaptive_security_appliance_software:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1010:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1010:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1010:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1010:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1120:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1120:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1140:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1140:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1150:~::~::~::~:							
cpe:2.3:h:cisco:firepower_1150:~::~::~::~:							
cpe:2.3:h:cisco:firepower_2110:~::~::~::~:							
cpe:2.3:h:cisco:firepower_2110:~::~::~::~:							
cpe:2.3:h:cisco:firepower_2120:~::~::~::~:							
cpe:2.3:h:cisco:firepower_2120:~::~::~::~:							
cpe:2.3:h:cisco:firepower_2130:~::~::~::~:							
cpe:2.3:h:cisco:firepower_2130:~::~::~::~:							
cpe:2.3:h:cisco:firepower_2140:~::~::~::~:							
cpe:2.3:h:cisco:firepower_2140:~::~::~::~:							

cpe:2.3:a:cisco:firepower_threat_defense:*****:	
cpe:2.3:a:cisco:firepower_threat_defense:6.6.0:*****:	
cpe:2.3:a:cisco:firepower_threat_defense:*****:	
cpe:2.3:a:cisco:firepower_threat_defense:6.6.0:*****:	
cpe:2.3:a:cisco:firepower_threat_defense:*****:	
No vendor comments have been submitted for this CVE	
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