

# Cisco IOS XR

ã,½ãf•ãf^ã,|ã,§ã,çã®æ<¡ã¼μãf-ãf¼ãf^ã%ã®ã



ã,çãf%ãfã,ã,¶ã,¶ãfãf¼ID : cisco-sa-

[CVE-2020-](#)

iosxr-pxe-unsigned-code-exec-qAa78fD2

[3284](#)

â^â...-é-æ—¥ : 2020-11-04 16:00

æœœgæ>æ°æ—¥ : 2020-12-01 17:50

ãfãf¼ã,ãfšãf³ 1.3 : Final

CVSSã,¹ã,³ã,ç : [8.1](#)

ã>žéç- : No workarounds available

Cisco ãfã,° ID : [CSCvi82550](#) [CSCvu31574](#)

[CSCvq23340](#) [CSCvq31064](#)

æ—¥æœ-èªžã«ã,^ã,<æf...ã ±ã-ã€è<èªžã«ã,^ã,<ãŽYæ-#ã®éçã...-ã¼ã

æ!,è!®

Cisco IOS XR 64

ãf“ãfãf^ã,½ãf•ãf^ã,|ã,§ã,çã®æ<¡ã¼μãf-ãf¼ãf^ã%ã®ã®Yè;CEç°ãçf¼^PXEi¼%ãf-ãf¼ãf^ãfãf¼ãfœãf¼  
PXE

ãf-ãf¼ãf^ãf—ãfã,»ã,¹ã,ã«æœªç½²ã®ã,³ãf¼ãf%ã,¹ã®Yè;CEã™ã,ã®-èf½æ€šãCEã,ã,šã¾ã

ãf-ãf¼ãf^ãfãf¼ãfœãf¼ãf BIOSã®ã,é“ãšã,ã,šã€Cisco IOS XR

ã,½ãf•ãf^ã,|ã,šã,çã®ãçã,¹ã®Yè;CEã—ã|ã,,ã,ãfãf¼ãf%ã,|ã,šã,ç

ãf—ãfœãfãf^ãfã,œãf¼ãfã®ç®ç®ã,¶ãf³ã,çãf¼ãfã,šã,¶ã,¹ã,šãšã•ã½œã—ã¾ã™ã€,

ã“ã®è,,ã¼±æ€šã-ã€PXE

ãfãfãf^ãf-ãf¼ã,ãf-ãf¼ãf^ãf—ãfã,»ã,¹ãCEã,½ãf•ãf^ã,|ã,šã,çã,¶ãfãf¼ã,ã,ãfãf¼ãf%ã™ã,ã®

ãf-ãf¼ãf^ã,μãf¼ãfã,ã¾μã®³ã—ã€æœ%ãš¹ãã,½ãf•ãf^ã,|ã,šã,çã,¶ãfãf¼ã,ã,æ,æ,,ã®ã®

ãf-ãf¼ãf^ã,μãf¼ãfã«ãªã,šã™ã¾ã—ã€æ,æ,,ã®ã®ã,ã,<ãfã,¡ã,¶ãfã,¹ã«ã,€

PXE

ãf-ãf¼ãf^ãçœç”ã,é€ãçãã™ã,ã®-èf½æ€šã,,ã,ã,šã¾ã™ã€ã,,ã,ã,¹ãf—ãfã,¶ãf^ã«æ^ãšY

æ³i¼šã“ã®è,,ã¼±æ€šã,¹ãçæfã™ã,ã«ã-ã€Cisco IOS

XRã,½ãf•ãf^ã,|ã,šã,çã” BIOSã®ã,æ-¹ã,ã,çãfãf—ã,°ãf-ãf¼ãf%ã™ã,ãç...è|ã®CEã,ã,šã¾ã

ã,³ãf¼ãf%ã- Cisco IOS XR

ã,½ãf•ãf^ã,|ã,šã,çã«ã«ã¾ã,CEã|ã,,ã¾ã™ãCEã€è½ãšã®ã,¶ãf³ã,¹ãfãf¼ãf«æ%œ

ã,ã,¹ã,³ã-ã“ã®è,,ã¼±æ€šã«ã¾ã†|ã™ã,ã,½ãf•ãf^ã,|ã,šã,çã,çãfãf—ãfãf¼ãf^ã,¹ãfãfãf¼ãf



NAME: "0/1/\* - cpu", DESCR: "cpu"  
 PID: , VID: V00, SN: SAD093000JR

NAME: "0/1/\* - cpu - 1.6V\_P0", DESCR: "Voltage Sensor"  
 PID: , VID: N/A, SN:

.  
 .  
 .

PID

BIOS af af'4a, afSaf3a @c'è<sup>a</sup>  
 BIOS af af'4a, afSaf3a, a@Ye;CEa —af af affaf^af af'4a, af-af'4af^a « PXE  
 a, a'2;c' a —a |a, a, a a af af af a, a, a CE, ta'4+a «a a, a ef'2aeSsa CEa, a, Sa

**BIOS af af'4a, afSaf3a @c'è<sup>a</sup>**

af af a, a, a'1a Sa@Ye;CEa a, CEa |a, a, a, BIOSaf af'4a, afSaf3a, 'c'è<sup>a</sup> a™a, a «a a™a sh  
**fpd package** CLia, 3afzaf3af%oa, 'a'2;c' a —a 3/4a™a€, ae-ja @3/4a a™a€PIDa CEA9K-  
 RSP880-LT-  
 TRa Sa€ BIOSaf af'4a, afSaf3a 17.16a, a@Ye;CEa —a |a, a, a, af af a, a, a'1a @a+°aŠ'a, 'c'è<sup>a</sup>

```
RP/0/RSP0/CPU0:router# show fpd package
Wed Nov 4 21:55:45.713 UTC
```

Field Programmable Device af' affa, ±af'4a, ,				
Card Type	FPD a™è <sup>a</sup> -æ~Ž	Type	a°œaž<	SW af af'4a, , afS
ASR-9910-BPID2	Can Bus Ctrl(CBC)BP2 Can Bus Ctrl(CBC)BP2	bp lc	cbc cbc	7.105 7.105
A9K-RSP880-LT-TR	Can Bus Ctrl(CBC)RSP4 MB CPU Ctrl DBCtr1	lc	cbc fpga2 fpga3	50.01 0.13 0.05









Cisco ASR 9000 ã,ãfãf¼ã,° PID 1	ã"ã®è,,tã¼±æ€šã«ã¾ã™ã, Cisco IOS XR ã,½ãfãfã, ã,sã,çã®æœ€ã^ã®ã¿®æ£æ,^ã¿ãfãfãf¼ã,1	ã"ã®è,,tã¼±æ€šã«ã¾ã™ã
A9K-RSP880-LT-SE A9K-RSP880-LT-TR	6.5.2	17.34
ASR-9901-RP	6.5.2	22.20
A99-RP3-SE A99-RP3-TR	6.5.2	30.23
A9K-RSP5-SE A9K-RSP5-TR	6.5.2	31.20

1.ã,€éfã®PIDã™ã€Cisco IOS XRã,½ãfãfã,|ã,sã,çã®32ãfãfãfã"64ãfãfãfã®ã,;æ-1ã®ã,ããf;ãf¼ã,ã,ã®ÿè;Çã®šã®ãfãfãfã,ããf;ãf¼ã,ã®ã¿ã¿Çè,,tã¼±ã®šã®,ã,ã"ã"ãÇã,ã¿ã¿ã£ã|ã,,ã¾ã™ã

**Network Convergence System 1000 ã,ãfãf¼ã,°**

Cisco NCS 9000 ã,ãfãf¼ã,° PID 1	ã"ã®è,,tã¼±æ€šã«ã¾ã™ã, Cisco IOS XR ã,½ãfãfã, ã,sã,çã®æœ€ã^ã®ã¿®æ£æ,^ã¿ãfãfãf¼ã,1	ã"ã®è,,tã¼±æ€šã«ã¾ã™ã
NCS1001 NCS1002 NCS1004	7.1.1	14.60

1.ã"ã®ãfãfãã,ã,1ã®ã™ã¹ã|ã®PIDã"ã,,PIDã®ã™ã¹ã|ã®é tã^—ã«ã

**Network Convergence System 540 ã«ãf¼ã,¿**

Cisco NCS 540 PID	ã"ã®è,,tã¼±æ€šã«ã¾ã™ã, Cisco IOS XR ã,½ãfãfã, ã,sã,çã®æœ€ã^ã®ã¿®æ£æ,^ã¿ãfãfãf¼ã,1	ã"ã®è,,tã¼±æ€šã«ã¾ã™ã
N540-12Z20G-SYS-A/D N540-28Z4C-SYS-A/D N540X-16Z4G8Q2C-A/D	7.2.1	1.17



Cisco NCS 540 PID	ã"ã®è,,tå¼±æ€šã«ã³¼ã™ã, Cisco IOS XR ã,½ãf•ãf^ã, ã,sã,ćã®æœ€ã^ã®ä¿æfæ,^ã¿ãfããfãf¼ã,¹	ã"ã®è,,tå¼±æ€šã«ã³¼ã™ã, Cisco IOS XR
N540X-12Z16G-SYS-A/D		
N540-24Z8Q2C-M N540-ACC-SYS	7.2.1	1.13

**Network Convergence System 560** ã«ãf¼ã,¿

Cisco NCS 560 PID	ã"ã®è,,tå¼±æ€šã«ã³¼ã™ã, Cisco IOS XR ã,½ãf•ãf^ã, ã,sã,ćã®æœ€ã^ã®ä¿æfæ,^ã¿ãfããfãf¼ã,¹	ã"ã®è,,tå¼±æ€šã«ã³¼ã™ã, Cisco IOS XR
N560-4-SYS1 N560-7-SYS1	6.6.3 ãŠã,^ã³ 7.0.2	0.14

1.ã"ã®PIDã®ç½®æ»ã™ã¹ã|è,,tå¼±ãšã™ã€,

**Network Convergence System 5000** ã,ãfããf¼ã,°ãf«ãf¼ã,¿

Cisco NCS 5000 ã,ãfããf¼ã,° PID ¹	ã"ã®è,,tå¼±æ€šã«ã³¼ã™ã, Cisco IOS XR ã,½ãf•ãf^ã, ã,sã,ćã®æœ€ã^ã®ä¿æfæ,^ã¿ãfããfãf¼ã,¹	ã"ã®è,,tå¼±æ€šã«ã³¼ã™ã, Cisco IOS XR
NCS5001 NCS5002	7.2.1	1.13
NCS5011	7.2.1	1.14

1.ã"ã®ãfããfã,ãã,¹ã®ã™ã¹ã|ã®PIDã"ã,,PIDã®ã™ã¹ã|ã®é tã^—ã«ã

**Network Convergence System**¼^NCS¼%5500 ã,ãfããf¼ã,°ãf«ãf¼ã,¿

Cisco NCS 5500 ã,ãfããf¼ã,° PID ¹	ã"ã®è,,tå¼±æ€šã«ã³¼ã™ã, Cisco IOS XR ã,½ãf•ãf^ã, ã,sã,ćã®æœ€ã^ã®ä¿æfæ,^ã¿ãfããfãf¼ã,¹	ã"ã®è,,tå¼±æ€šã«ã³¼ã™ã, Cisco IOS XR
NC55-RP	6.6.3	9.30
NC55-RP-E NCS-5501 NCS-5501-	6.6.3	1.21

<p>Cisco NCS 5500 PID 1</p>	<p>ã“ã®è,,tå¼±æ€šã«ã¾ã™ã, Cisco IOS XR ã,½ãf•ãf^ã, ã,sã,çã®æœ€ã^ã®ä¿®æ£æ,^ã¿ãªãªãf¼ã,¹</p>	<p>ã“ã®è,,tå¼±æ€šã«ã¾ã™ã, Cisco IOS XR</p>
<p>SE NCS-5502 NCS-5502-SE</p>		
<p>NCS-55A2-MOD-S NCS-55A2-MOD-HD-S NCS-55A2-MOD-HX-S NCS-55A2-MOD-SE-S NCS-55A2-MOD-SE-H-S NCS-55A1-36H-SE-S NCS-55A1-36H-S NCS-55A1-24H NCS55-A1-48Q6H NCS-55A1-24Q6H-S</p>	<p>6.6.3</p>	<p>1.12</p>

1. NC55-RP2-Eã«ã®è,,tå¼±æ€šã«ã¾ã™ã,ã,šã¾ã»ã,“ã€,

ã,æ£ã^©ç””ã°ã¾ã«ã”ã...ã¼ãç™°èj”

Cisco Product Security Incident Response

Teami¼^PSIRTi¼%ã®ã€æœ-ã,çãf%ãfã,ã,¶ã,¶ãªã«è”~è¼%ã®ã,ã,çãã|ã®,ã,è,,tå¼±æ€šã«ã¾ã™ã,

ã†°ã...,

ã“ã®è,,tå¼±æ€šã«ã¾ã™ã®ã€ã,ã,¹ã,³ãt...éf”ãšã,»ã,ãfªãªãftã,£ãftã,¹ãf^ã,¹ã®ÿæ-½ã,ã€ã,ã,¹ã,³ã

Martin Ramsdale ã«ã,^ã£ã|ç™°è|ã®ã,ã,çãã¾ã—ãÿã€,



## 翻訳について

シスコは世界中のユーザにそれぞれの言語でサポート コンテンツを提供するために、機械と人による翻訳を組み合わせて、本ドキュメントを翻訳しています。ただし、最高度の機械翻訳であっても、専門家による翻訳のような正確性は確保されません。シスコは、これら翻訳の正確性について法的責任を負いません。原典である英語版（リンクからアクセス可能）もあわせて参照することを推奨します。