

Cisco IOS ³ IOS XE PROFINET Link Layer Discovery Protocol LLDPI %^oé-çé€£[®] DoS è,,†å¼±æ€§



ã,çãf%ãfã,ã,ã,ãfãf¼ID : cisco-sa-ios- [CVE-2020-3512](#)
profinet-dos-65qYG3W5
â^â...-é-æ—¥ : 2020-09-24 16:00
æœ€œ>æ°æ—¥ : 2020-12-09 15:23
ãfãf¼ã,ãfããf³ 1.2 : Final
CVSSã,1ã,3ã,ç : 7.4
â>žéç- : No workarounds available
Cisco ãfã,° ID : [CSCvr54115](#)

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Cisco IOS ³ Cisco IOS XE ³ Link Layer Discovery
Protocol LLDPI %^oãfãffã,»ãf¼ã,ã,ã†|ç†ã™ã,ç PROFINET

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ã"ã®è,,†å¼±æ€§ã-ã€PROFINET LLDP

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LLDP

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ã"ã®ã,çãf%ãfã,ã,ã,ãfãã-ã€æ-ã®ãfããã,ã,ã,šçç°èããšããã¼ã™ã€, <https://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-ios-profinet-dos-65qYG3W5>

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<https://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-profinet-J9QMCHPB>
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ã“ã®ã,çãf%ãfã,ã,¶ã,¶ãfãã¬ã€2020 á¹' 9 æœ^ 24 æ—¶ã«ã...-é-ã•ã,Çãÿ Cisco
IOS ãšã,ã³ IOS XE ã,½ãfãfã,|ã,šã,çãfãfãf¼ã,¹ã¾ãã,»ã,ãfãfãfãfã,£
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ã»¶ã®è,,†ã¼±æ€šã«é-çã™ã,< 25 ä»¶ã®ã,ã,¹ã,³ã,»ã,ãfãfãfãfã,£
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[Event Response: September 2020 Semiannual Cisco IOS and IOS XE Software Security Advisory Bundled Publication.](#)

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ã“ã®è,,†ã¼±æ€šã¬ã€è,,†ã¼±ãª Cisco IOS
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æ©ÿèf½ãÇæœ%ããš¹ã«ãªã£ã|ã,ã,çã,ç Cisco Industrial Ethernet
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PROFINET
ã«ã³¼â¿œã—ãÿã,ã,¹ã,³è£½ã“¿ã¬ã€æ-¶ã®ã”ãšã,šãšã™ã€,

- Catalyst IE3200 é«è-€ã¹...æ€šã,¹ã,¶ãfãfã¿
- Catalyst IE3300 é«è-€ã¹...æ€šã,¹ã,¶ãfãfã¿
- Catalyst IE3400 Heavy Duty ã,¹ã,¶ãfãfã¿
- Catalyst IE3400 é«è-€ã¹...æ€šã,¹ã,¶ãfãfã¿
- ã,ãf³ãf™ãfãfãfãfã%ã,¶f¼ãf“ã,¹ 2020 ã,ãfããf¼ã,ºã,¹ã,¶ãfãfã¿
- ã,ãf³ãf™ãfãfãfãfã%ã,¶f¼ãf“ã,¹ 3300 ã,ãfããf¼ã,ºã,¹ã,¶ãfãfã¿
- Industrial Ethernet 2000 ã,ãfããf¼ã,ºã,¹ã,¶ãfãfã¿
- Industrial Ethernet 2000U ã,ãfããf¼ã,ºã,¹ã,¶ãfãfã¿
- Industrial Ethernet 3000 ã,ãfããf¼ã,ºã,¹ã,¶ãfãfã¿
- Industrial Ethernet 4000 ã,ãfããf¼ã,ºã,¹ã,¶ãfãfã¿
- Industrial Ethernet 4010 ã,ãfããf¼ã,ºã,¹ã,¶ãfãfã¿
- Industrial Ethernet 5000 ã,ãfããf¼ã,ºã,¹ã,¶ãfãfã¿

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ãfãfã,ãã,¹è"ã®šã®çç"èª

ã,ªãfãã,ãfšãf³ 1i¼šshow profinet status

ãfãfã,ãã,¹ãS PROFINET

ã€€æœ%ãš¹ã«ãªã£ã|ã,,ã,ã<ã©ã†ã<ã,â^æã-ã™ã,ã<ã«ã-ã€show profinet status

ã,³ãfžãf³ãf%ãã®ã®ÿè;€çµæžœãšã€çš¶æ...ã,çç"èªã-ã¾ã™ã€,ã,³ãfžãf³ãf%ãã Enabledã®çš¶æ...ã,èç"ã-ãÿã'ã^ã€PROFINET

æ©ÿèf½ã-æœ%ãš¹ã«ãªã£ã|ãšã,šã€ããã®ãfãfã,ãã,¹ã«ã-è,,†ã¼±æ€šã Disabled

ã®çš¶æ...ã,èç"ã-ãÿã€ã¾ãÿã-ã€ã,³ãfžãf³ãf%ãã€ãªã,,ã'ã^ã€PRC æ©ÿèf½ã-æœ%ãš¹ã«ãªã£ã|ã,,ãªã,,ãÿã,ã€ãããã®ãfãfã,ãã,¹ã

æ¬ã«ã€PROFINET

æ©ÿèf½ã€æœ%ãš¹ã«ãªã£ã|ã,,ã,ãfãfã,ãã,¹ãšã€show profinet status

ã,³ãfžãf³ãf%ãã,ª®ÿè;€ã-ãÿçµæžœã®ã¾ã,çç"èª-ã¾ã™ã€,

<#root>

Switch#

show profinet status

State :

Enabled

- .
- .
- .

ã,ªãfãã,ãfšãf³ 2i¼šshow running-config all

ã¾ãÿã-ã€show running-config all | include

profinetã,³ãfžãf³ãf%ãã,ª®ÿè;€ã-ã€profinetããã,,ã†ã~èªžããã'ã,â«ã,€ã†ªš>è;€ã, æ©ÿèf½ã-æœ%ãš¹ã«ãªã£ã|ãšã,šã€ãfãfã,ãã,¹ã«ã-è,,†ã¼±æ€šã€ã~æœãã€ã€ã†ªš>è;€ã«ã~ç<-ãšã~æœã-ã-ãªã,,ã'ã^ã€PROFINET

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ã»ã,ã-ã€ show running-config allã®ã†ªš>ã¾ãšã™ã€, | include profinetã,³ãfžãf³ãf%ãã,ª½çç"ã

<#root>

State :

Disabled

Vlan : 1
Id :
Connected : No
ReductRatio : 128

Switch#conf t

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a f @ a , a , » a f 3 a , 1 a @ æ e j e ... a < a 3/4 a t a " a " a < a CE a , a a — a Y a " a " a < a a , S a 3/4 a
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<https://www.cisco.com/c/en/us/products/end-user-license-agreement.html>

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a 3/4 a Y a € a S a @ c æ S ~ a CE a , 1/2 a f • a f ^ a , | a , s a , c a , ' a f € a , | a f 3 a f a f 1/4 a f % a S a a , a < a @ a " a € a ,
a , c a f f a f — a , a f - a f 1/4 a f % a S a TM a € , ç , i a , Y a @ a , » a , a f a f a f t a , £ a , 1/2 a f • a f ^ a , | a , s a , c
a , c a f f a f — a f a f 1/4 a f ^ a < a , ^ a £ a | a € a S a @ c æ S ~ a < æ - a — a , a , 1/2 a f • a f ^ a , | a , s a , c
a f @ a , a , » a f 3 a , 1 a € e : 1/2 a S a , 1/2 a f • a f ^ a , | a , s a , c a f • a , £ a f 1/4 a f a f £
a , » a f f a f ^ a € a 3/4 a Y a " a f j a , a f £ a f 1/4 a f a f a , a f s a f 3
a , c a f f a f — a , a f - a f 1/4 a f % a < a 3/4 a TM a , < æ " C e TM a CE a ~ a , Z a • a , C a , a < a " a " a " a , a , S a 3/4 a
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a , 1/2 a f • a f ^ a , | a , s a , c a @ a , c a f f a f — a , a f - a f 1/4 a f % a , a e p o e " Z a TM a , < e s > a < a " a € a . a . a . 3
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a f s a f 1/4 a , a S a ... a e % a < a S a a , a , a , 1 a , 3 e £ 1/2 a " a @ a , c a f % a f a , a , a , q a f a , a @ s a e Y c s , a < a , ç
a , 1/2 a f a f a f 1/4 a , a f s a f 3 a , € a 1/4 a , ç c o e a a — a | a a a a • a , a € ,
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a , a , a s a , C a @ a ' a ^ a , a € a , c a f f a f — a , a f - a f 1/4 a f % a TM a , a f f a f a , a , a , 1 a < a a ^ t a a f j a f c a

翻訳について

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