

# Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> Ø<sup>1</sup>Ù,,Ù%<sub>o</sub> ISE

## Ø§Ù,,Ù...Ø<sup>a</sup>Ù<sup>^</sup>ÙŠØ§Ø<sup>a</sup>

[Ø§Ù,,Ù...Ù,Ø<sup>-</sup>Ù...Ø©](#)  
[Ø§Ù,,Ù...Ø<sup>a</sup>Ø<sup>-</sup>Ù,,Ø<sup>-</sup>Ø§Ø<sup>a</sup> Ø§Ù,,Ø£Ø<sup>3</sup>Ø§Ø<sup>3</sup>ÙŠØ©](#)  
[Ø§Ù,,Ù...Ø<sup>a</sup>Ø<sup>-</sup>Ù,,Ø<sup>-</sup>Ø§Ø<sup>a</sup>](#)  
[Ø§Ù,,Ù...ÙfÙ<sup>^</sup>Ù†Ø§Ø<sup>a</sup> Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ø©Ø<sup>-</sup>Ù...Ø©](#)  
[Ù...Ø<sup>1</sup>Ù,,Ù<sup>^</sup>Ù...Ø§Ø<sup>a</sup> Ø£Ø<sup>3</sup>Ø§Ø<sup>3</sup>ÙŠØ©](#)  
[Ø§Ù,,Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ†](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> FTP](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> FTP Ù...Ù† Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ø©Ø<sup>-</sup>Ù...Ø±](#)  
[Ø§Ù,,Ø±Ø<sup>3</sup>Ù<sup>^</sup>Ù...ÙŠØ©](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> FTP Ù...Ù† Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø<sup>3</sup>Ø<sup>-</sup>Ø± Ø§Ù,,Ø£Ù<sup>^</sup>Ø§Ù...Ø±](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> SFTP](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> SFTP Ù...Ù† Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ø©Ø<sup>-</sup>Ù...Ø±](#)  
[Ø§Ù,,Ø±Ø<sup>3</sup>Ù<sup>^</sup>Ù...ÙŠØ© \(GUI\)](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> SFTP Ù...Ù† Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø<sup>3</sup>Ø<sup>-</sup>Ø± Ø§Ù,,Ø£Ù<sup>^</sup>Ø§Ù...Ø±](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> NFS](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> NFS Ù...Ù† Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ø©Ø<sup>-</sup>Ù...Ø±](#)  
[Ø§Ù,,Ø±Ø<sup>3</sup>Ù<sup>^</sup>Ù...ÙŠØ©](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> NFS Ù...Ù† Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø<sup>3</sup>Ø<sup>-</sup>Ø± Ø§Ù,,Ø£Ù<sup>^</sup>Ø§Ù...Ø±](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> ISE Ø§Ù,,Ù...ØÙ,,ÙŠ](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> Ø§Ù,,Ù...ØÙ,,ÙŠ Ù...Ù† Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ø©Ø<sup>-</sup>Ù...Ø±](#)  
[Ø§Ù,,Ø±Ø<sup>3</sup>Ù<sup>^</sup>Ù...ÙŠØ©](#)  
[Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> Ø§Ù,,Ù...ØÙ,,ÙŠ Ù...Ù† Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø<sup>3</sup>Ø<sup>-</sup>Ø±](#)  
[Ø§Ù,,Ø£Ù<sup>^</sup>Ø§Ù...Ø±](#)  
[Ø§Ù,,Ø<sup>a</sup>ØÙ,,Ù, Ù...Ù† Ø§Ù,,ØØØ©](#)  
[Ø§Ù,,Ø<sup>a</sup>ØÙ,,Ù, Ø<sup>-</sup>Ø§Ø<sup>3</sup>Ø<sup>a</sup>Ø©Ø<sup>-</sup>Ø§Ù... Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ø©Ø<sup>-</sup>Ù...Ø±](#)  
[Ø§Ù,,Ø±Ø<sup>3</sup>Ù<sup>^</sup>Ù...ÙŠØ©](#)  
[Ø§Ù,,Ø<sup>a</sup>ØÙ,,Ù, Ø<sup>-</sup>Ø§Ø<sup>3</sup>Ø<sup>a</sup>Ø©Ø<sup>-</sup>Ø§Ù... CLI \(Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù†Ø© Ø<sup>3</sup>Ø<sup>-</sup>Ø± Ø§Ù,,Ø£Ù<sup>^</sup>Ø§Ù...Ø±\)](#)  
[Ø§Ø<sup>3</sup>Ø<sup>a</sup>ÙfØ<sup>-</sup>Ø§Ù, Ø§Ù,,Ø£Ø©Ø<sup>-</sup>Ø§Ø; Ù<sup>^</sup>Ø¥ØµÙ,,Ø§ØÙ†Ø§](#)

## Ø§Ù,,Ù...Ù,Ø<sup>-</sup>Ù...Ø©

ÙŠÙ<sup>^</sup>Ø¶Ø Ù†Ø°Ø§ Ø§Ù,,Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>ÙfÙ<sup>^</sup>ÙŠÙ†Ø§Ø© Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙŠÙ† Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> Ø<sup>1</sup>Ù,,Ù%<sub>o</sub> Ù...ØØ±Ùf Ø©Ø<sup>-</sup>Ù...Ø§Ø<sup>a</sup> Ø§Ù,,Ù†Ù<sup>^</sup>ÙŠØ© (ISE).

## Ø§Ù,,Ù...Ø<sup>a</sup>Ø<sup>-</sup>Ù,,Ø<sup>-</sup>Ø§Ø<sup>a</sup> Ø§Ù,,Ø£Ø<sup>3</sup>Ø§Ø<sup>3</sup>ÙŠØ©

### Ø§Ù,,Ù...Ø<sup>a</sup>Ø<sup>-</sup>Ù,,Ø<sup>-</sup>Ø§Ø<sup>a</sup>

Ø<sup>a</sup>Ù<sup>^</sup>Ø¶Š Cisco Ø<sup>-</sup>Ø£Ù† Ø<sup>a</sup>ÙfÙ<sup>^</sup>Ù† Ù,,Ø<sup>-</sup>ÙŠÙf Ù...Ø<sup>1</sup>Ø±Ù†Ø© Ø<sup>-</sup>Ø§Ù,,Ù...Ù<sup>^</sup>Ø§Ø¶ÙŠØ<sup>1</sup> Ø§Ù,,Ø<sup>a</sup>Ø§Ù,,ÙŠØ©:

- Ù...Ø<sup>1</sup>Ø±Ù†Ø© Ø£Ø<sup>3</sup>Ø§Ø<sup>3</sup>ÙŠØ© Ø<sup>-</sup>Ù...ØØ±Ùf Ø©Ø<sup>-</sup>Ù...Ø§Ø<sup>a</sup> Ø§Ù,,Ù†Ù<sup>^</sup>ÙŠØ© (ISE)

- Û...Ø¹Ø±Ù ◊Ø© Ø£Ø³Ø§Ø³ÙŠØ© Ø¯Ø®Ø§Ø¯Ù... Ø¯Ø±Ù^ØªÙ^ÙfÙ^Ù,, Ù†Ù,, Ø§Ù,,Ù...Ù,,Ù ◊Ø§Øª (FTP) Ù¯Ø®Ø§Ø¯Ù... Ø¯Ø±Ù^ØªÙ^ÙfÙ^Ù,, Ù†Ù,, Ø§Ù,,Ù...Ù,,Ù ◊Ø§Øª SSH (SFTP)

## Ø§Ù,,Ù...ÙfÙ^Ù†Ø§Øª Ø§Ù,,Ù...Ø³ØªØ®Ø¯Ù...Ø©

ØªØ³ØªÙ†Ø¯ Ø§Ù,,Ù...Ø¹Ù,,ÙÙ...Ø§Øª Ø§Ù,,Ù^Ø§Ø±Ø¯Ø© Û◊ÙŠ Ù±Ø°Ø§ Ø§Ù,,Ù...Ø³ØªÙ†Ø¯ Ø¥Ù,,Ù‰ Ø¥ØµØ¯Ø§Ø±Ø§Øª Ø§Ù,,Ø¯Ø±Ø§Ù...Ø¯ Ù^Ø§Ù,,Ù...ÙfÙ^Ù†Ø§Øª Ø§Ù,,Ù...Ø§Ø¯ÙŠØ© Ø§Ù,,ØªØ§Ù,,ÙŠØ©:

- Cisco Identity Service Engine Ø§Ù,,Ø¥ØØ-Ø§Ø± 2.x
- Ø®Ø§Ø¯Ù... FTP Ù¯Ø,ÙŠÙ ◊ÙŠ Ù¯Ø®Ø§Ø¯Ù... SFTP

ØªÙ... Ø¥Ù†Ø¯Ø§Ø; Ø§Ù,,Ù...Ø¹Ù,,ÙÙ...Ø§Øª Ø§Ù,,Ù^Ø§Ø±Ø¯Ø© Û◊ÙŠ Ù±Ø°Ø§ Ø§Ù,,Ù...Ø³ØªÙ†Ø¯ Ù...Ù† Ø§Ù,,Ø£Ø-Ù±Ø²Ø© Ø§Ù,,Ù...Ù¯Ø-Ù¯Ø¯Ø© Û◊ÙŠ Ø¯ÙŠØ|Ø© Ù...Ø¹Ù...Ù,,ÙŠØ© Ø®Ø§ØµØ©. Ø¯Ø¯Ø£Øª Ø¯Ù...ÙŠØ¹ Ø§Ù,,Ø£Ø-Ù±Ø²Ø© Ø§Ù,,Ù...Ù◊Ø³ØªØ®Ø¯Ù...Ø© Û◊ÙŠ Ù±Ø°Ø§ Ø§Ù,,Ù...Ø³ØªÙ†Ø¯ Ø¯ØªÙfÙ^ÙŠÙ† Ù...Ù...Ø³Ù^Ø (Ø§Ù◊ØªØ±Ø§Ø¶ÙŠ). Ø¥Ø°Ø§ ÙfØ§Ù†Øª Ø´Ø¯ ÙfØªÙf Ù,ÙŠØ¯ Ø§Ù,,ØªØ´Ø°ÙŠÙ,,Ø£ Ù◊ØªØ£ÙfØ¯ Ù...Ù† Ù◊Ù±...Ùf Ù,,Ù,,ØªØ£Ø«ÙŠØ± Ø§Ù,,Ù...ØªÙ...Ù,, Ù,,Ø£ÙŠ Ø£Ù...Ø±.

## Ù...Ø¹Ù,,Ù^Ù...Ø§Øª Ø£Ø³Ø§Ø³ÙŠØ©

ØªØ³Ù...Ø Ù,,Ùf Cisco Ø¯Ø¥Ù†Ø¯Ø§Ø; Ù...Ø³ØªÙ¯Ø¹Ø§Øª Ù¯ØØÙ◊Ù±Ø§ Ù...Ù† Ø®Ù,,Ø§Ù,, Ù...Ø¯Ø®Ù,, Ø§Ù,,Ø¥Ø¯Ø§Ø±Ø©. ÙŠÙ...ÙfÙ†Ùf Ø¥Ù†Ø¯Ø§Ø; Ù±Ø°Ù± Ø§Ù,,Ø£Ù†Ù^Ø§Ø¹ Ù...Ù† Ø§Ù,,Ù...Ø³ØªÙ¯Ø¹Ø§Øª:

- Ù,Ø±Øµ
- FTP
- SFTP
- NFS
- Ù...ØØ±Ùf Ø£Ù,Ø±Ø§Øµ...Ø¶Ø¯Ù¯Ø©
- HTTP
- HTTPS

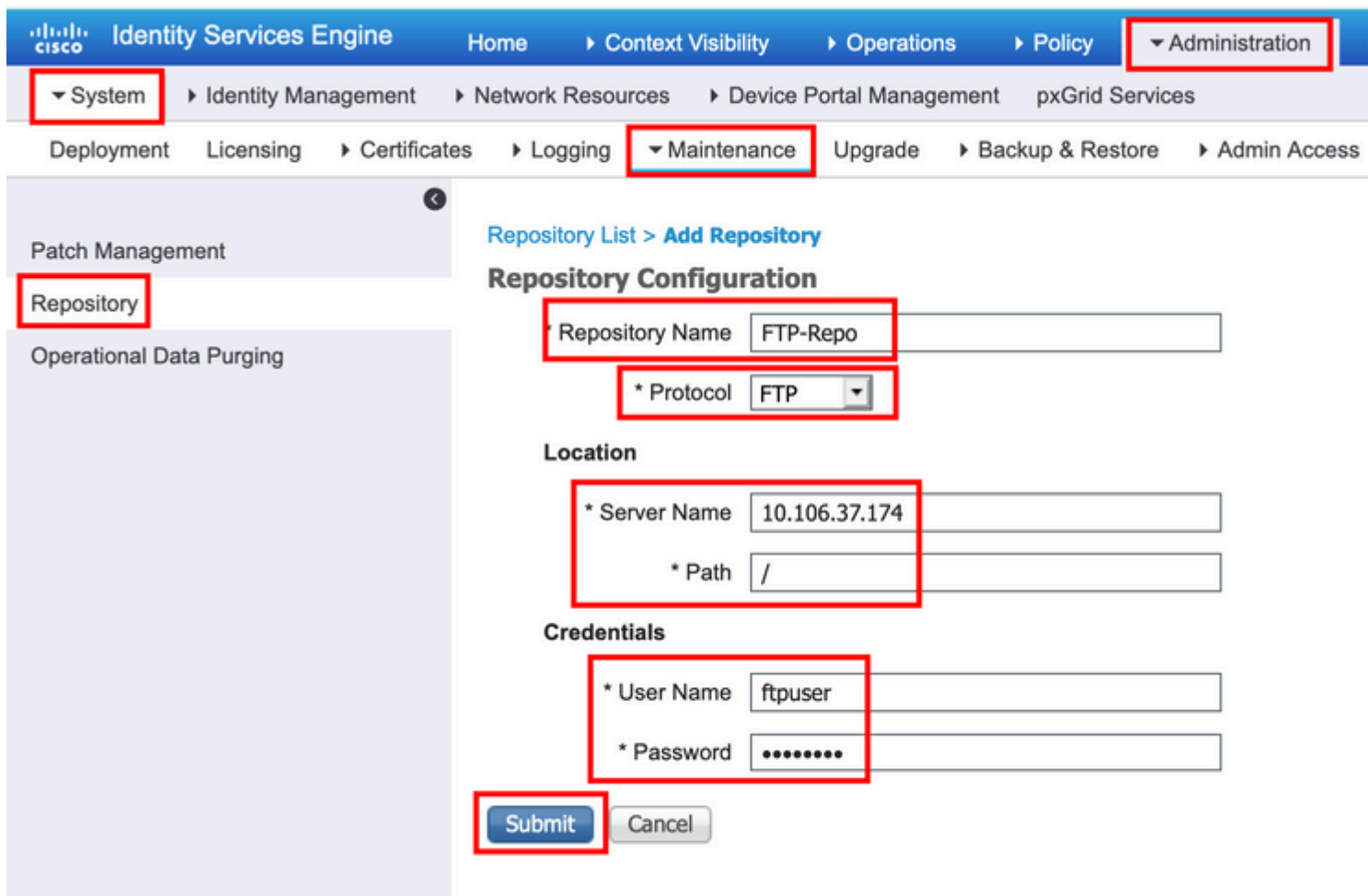
Ù...Ù,,Ø§ØØ,Ø©: ÙŠÙ¯Øµ‰ Ø¯Ø£Ù† ÙŠÙfÙ^Ù† Ù,,Ø¯ÙŠÙf ØØ-Ù... Ù...Ø³ØªÙ¯Ø¹ ÙŠØ¯Ù,,Ø 10 Ø¯ÙŠØ-Ø§Ø¯Ø§ÙŠØª Ù,,Ø¹Ù...Ù,,ÙŠØ§Øª Ø§Ù,,Ù†Ø¯Ø± Ø§Ù,,ØØ°ÙŠØ±Ø© (100 Ù†Ù,,Ø-Ø© Ù†Ù±Ø§ÙŠØ© Ø£Ù^ Ø£Ù,Ù,,)Ø£ Ù 100 Ø¯ÙŠØ-Ø§Ø¯Ø§ÙŠØª Ù,,Ø¹Ù...Ù,,ÙŠØ§Øª Ø§Ù,,Ù†Ø¯Ø± Ø§Ù,,Ù...ØªÙ¯Ø³Ø.Ø©Ø£ Ù 200 Ø¯ÙŠØ-Ø§Ø¯Ø§ÙŠØª Ù,,Ø¹Ù...Ù,,ÙŠØ§Øª Ø§Ù,,Ù†Ø¯Ø± Ø§Ù,,ÙfØ¯ÙŠØ±Ø©.

ÙŠÙ...ÙfÙ† ØªÙfÙ^ÙŠÙ† Ù...Ø³ØªÙ¯Ø¹Ø§Øª ISE Ù...Ù† ÙfÙ,, Ù...Ù† Ù¯Ø§Ø-Ù±Ø© Ø§Ù,,Ù...Ø³ØªØ®Ø¯Ù... Ø§Ù,,Ø±Ø³Ù^Ù...ÙŠØ© (GUI) Ù^Ù^Ø§Ø-Ù±Ø© Ø³Ø.Ø± Ø§Ù,,Ø£Ù^Ø§Ù...Ø± (CLI) Ø§Ù,,Ø®Ø§ØØ© Ø¯ ISE Ù^ÙŠÙ...ÙfÙ† Ø¥Ø³ØªØ®Ø¯Ø§Ù...Ù±Ø§ Ù,,Ù±Ø°Ù± Ø§Ù,,Ø£Ø°Ø±Ø§Ø¶:

- Ø§Ù,,Ù†Ø³Ø® Ø§Ù,,Ø§ØªÙŠØ§Ø.ÙŠ Ù,,Ø¯ÙŠØ§Ù†Ø§Øª ØªÙ±ÙŠØ!Ø© Ù...ØØ±Ùf Ø®Ø¯Ù...Ø§Øª Ø§Ù,,Ù±Ù^ÙŠØ© (ISE) Ù¯ØªØ´Ø°ÙŠÙ,,Ù±Ø§ Ù¯Ø§Ø³ØªØ¹Ø§Ø¯ØªÙ±Ø§



Ù❖ÙŠ Ø§Ù,,ØμÙ^Ø±Ø©.



ØªÙfÙ^ÙŠÙ† Ù...Ø³ØªÙ^Ø-Ø¹ FTP Ù...Ù† Ù^Ø§Ø-Ù‡Ø© Ø³Ø·Ø± Ø§Ù,,Ø£Ù^Ø§Ù...Ø±

Ø³Ø-Ù^Ù,, Ø§Ù,,Ø-Ø@Ù^Ù,, Ø¥Ù,,Ù% Ù^Ø§Ø-Ù‡Ø© Ø³Ø·Ø± Ø§Ù,,Ø£Ù^Ø§Ù...Ø± (CLI)  
Ù,,Ø¹Ù,Ø-Ø© ISE Ø¹Ø·Ø± Ø·Ø±Ù^ØªÙ^ÙfÙ^Ù,, SSH Ù^Ø´Ø°Ù^Ù,, Ø§Ù,,Ø£Ù^Ø§Ù...Ø±  
Ø§Ù,,ØªØ§Ù,,ÙŠØ©.

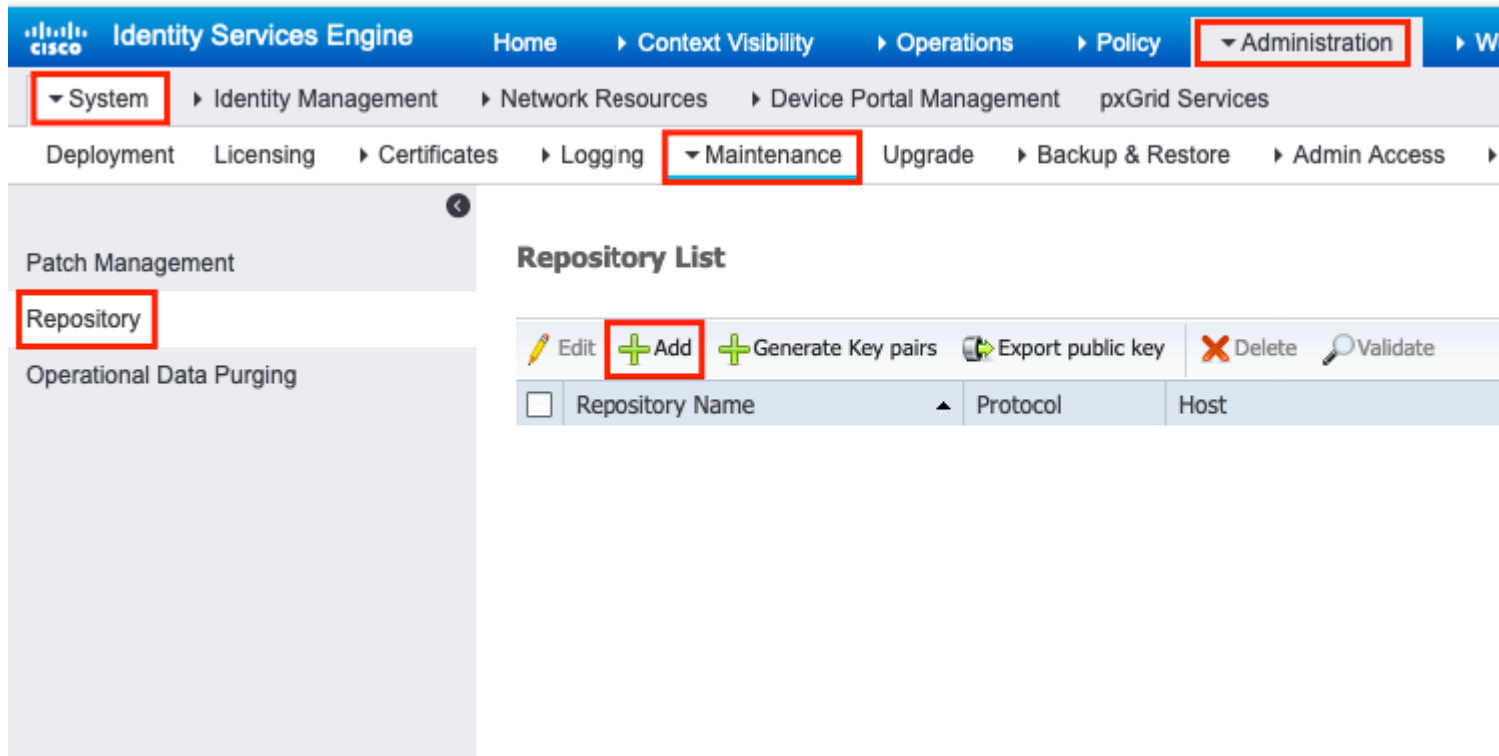
```
ise/admin#
ise/admin# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
ise/admin(config)# repository FTP-Repo
ise/admin(config-Repository)# url ftp://10.106.37.174/

ise/adminconfig-Repository)# user <Username> password plain <Password>
ise/admin(config-Repository)# exit
ise/admin(config)# exit
ise/admin#
```

ØªÙfÙ^ÙŠÙ† Ù...Ø³ØªÙ^Ø-Ø¹ SFTP

ØªÙfÙ^ÙŠÙ† Ù...Ø³ØªÙ^Ø-Ø¹ SFTP Ù...Ù† Ù^Ø§Ø-Ù‡Ø© Ø§Ù,,Ù...Ø³ØªØ®Ø-Ù...  
Ø§Ù,,Ø±Ø³Ù^Ù...ÙŠØ© (GUI)

Ø§Ù,,Ø@Ø·Ù^Ø© 1. Ù,,Ø^ÙfÙ^ÙŠÙ† Ù...Ø³Ø^Ù^Ø¹ Ø¹Ù,,Ù% ISEØŒ Ù,Ù... Ø·Ø^Ø³Ø-ÙŠÙ,, Ø§Ù,,Ø-Ø@Ù^Ù,, ØŸÙ,,Ù% Ù^Ø§Ø-Ù‡Ø© Ø§Ù,,Ù...Ø³Ø^Ø®Ø-Ù... Ø§Ù,,Ø±Ø³Ù^Ù...ÙŠØ© ISE Ù^Ø§Ù†Ø^Ù,Ù,, ØŸÙ,,Ù% Administration > System > Maintenance > Repository. Ø«Ù... Ø§Ù†Ù,Ø± AddØŒ ÙfÙ...Ø§ Ù‡Ù^ Ù...Ù^Ø¶Ø Ù ØÙŠ Ø§Ù,,ØμÙ^Ø±Ø©.



Ø§Ù,,Ø@Ø·Ù^Ø© 2. Ø^Ù^Ù ØÙŠØ± Repository Name Ù^Ø^Ø®Ø^Ø§Ø± SFTP ÙfØ·Ø±Ù^Ø^Ù^ÙfÙ^Ù,, Ø«Ù... Ø£Ø-Ø@Ù,, Server Name, Path, User Name, Ù^ PasswordØŒ Ø«Ù... Ø§Ù†Ù,Ø± SubmitØŒ ÙfÙ...Ø§ Ù‡Ù^ Ù...Ù^Ø¶Ø Ù ØÙŠ Ø§Ù,,ØμÙ^Ø±Ø©.

CISCO Identity Services Engine

Home > Context Visibility > Operations > Policy > Administration

System > Identity Management > Network Resources > Device Portal Management > pxGrid Services

Deployment Licensing > Certificates > Logging > Maintenance Upgrade > Backup & Restore > Admin Access

Patch Management

Repository

Operational Data Purging

Repository List > Add Repository

### Repository Configuration

\* Repository Name: SFTP-Repo

\* Protocol: SFTP

**Location**

\* Server Name: 10.106.37.34

\* Path: /

**Credentials**

\* Enable PKI authentication:

\* User Name: pan

\* Password: .....

Submit Cancel

3. Submit, Host key of sftp server must be added through CLI using 'crypto host\_key add' exec command before this repository can be used. Also ensure that the host key string matches the host name used in the URL of the repository configuration.

**Warning:** Host key of sftp server must be added through CLI using 'crypto host\_key add' exec command before this repository can be used. Also ensure that the host key string matches the host name used in the URL of the repository configuration.

OK

4. Host key fingerprint added. Operating in CiscoSSL FIPS mode. # Host 10.106.37.34 found: line 1

```
ise/admin# crypto host_key add host 10.106.37.34
host key fingerprint added
Operating in CiscoSSL FIPS mode

# Host 10.106.37.34 found: line 1
```

10.106.37.34 RSA SHA256:exFnNITDhafaNPFr35x6kC1pR0iTP6xS+LBmtIXPfnk  
ise/admin#

**Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙšÙ<sup>†</sup> Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> SFTP Ù...Ù<sup>†</sup> Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù<sup>‡</sup>Ø© Ø<sup>3</sup>Ø<sup>·</sup>Ø± Ø§Ù<sup>,,</sup>Ø£Ù<sup>^</sup>Ø§Ù<sup>...Ø±</sup>**

Ø<sup>3</sup>Ø<sup>-</sup>Ù<sup>^</sup>Ù<sup>,,</sup> Ø§Ù<sup>,,</sup>Ø<sup>-</sup>Ø<sup>@</sup>Ù<sup>^</sup>Ù<sup>,,</sup> Ø¥Ù<sup>,,</sup>Ù<sup>%</sup> Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù<sup>‡</sup>Ø© Ø<sup>3</sup>Ø<sup>·</sup>Ø± Ø§Ù<sup>,,</sup>Ø£Ù<sup>^</sup>Ø§Ù<sup>...Ø±</sup> (CLI)  
Ù<sup>,,</sup>Ø<sup>1</sup>Ù<sup>,,</sup>Ø<sup>-</sup>Ø<sup>@</sup> ISE Ø<sup>1</sup>Ø<sup>·</sup>Ø± Ø<sup>·</sup>Ø±Ù<sup>^</sup>Ø<sup>a</sup>Ù<sup>^</sup>fÙ<sup>^</sup>Ù<sup>,,</sup> SSH Ù<sup>^</sup>Ø<sup>'</sup>Ø<sup>°</sup>Ù<sup>^</sup>Ù<sup>,,</sup> Ø§Ù<sup>,,</sup>Ø£Ù<sup>^</sup>Ø§Ù<sup>...Ø±</sup>  
Ø§Ù<sup>,,</sup>Ø<sup>a</sup>Ø§Ù<sup>,,</sup>Ù<sup>š</sup>Ø©:

ise/admin#

ise/admin# configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

ise/admin(config)# repository SFTP-Repo

ise/admin(config-Repository)# url sftp://10.106.37.34/

ise/admin(config-Repository)# user <Username> password plain <Password>

ise/admin(config-Repository)# exit

ise/admin(config)# exit

ise/admin#

**Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙšÙ<sup>†</sup> Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> NFS**

**Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙšÙ<sup>†</sup> Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> NFS Ù...Ù<sup>†</sup> Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù<sup>‡</sup>Ø© Ø§Ù<sup>,,</sup>Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ø<sup>@</sup>Ø<sup>-</sup>Ù...  
Ø§Ù<sup>,,</sup>Ø±Ø<sup>3</sup>Ù<sup>^</sup>Ù...Ù<sup>š</sup>Ø©**

Ø§Ù<sup>,,</sup>Ø<sup>@</sup>Ø<sup>-</sup>Ù<sup>^</sup>Ø© 1. Ù<sup>,,</sup>Ø<sup>a</sup>ÙfÙ<sup>^</sup>ÙšÙ<sup>†</sup> Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ù<sup>^</sup>Ø<sup>-</sup>Ø<sup>1</sup> Ø<sup>1</sup>Ù<sup>,,</sup>Ù<sup>%</sup> ISEØ<sup>Æ</sup> Ù<sup>,,</sup>Ù... Ø<sup>·</sup>Ø<sup>a</sup>Ø<sup>3</sup>Ø<sup>-</sup>Ù<sup>š</sup>Ù<sup>,,</sup>  
Ø§Ù<sup>,,</sup>Ø<sup>-</sup>Ø<sup>@</sup>Ù<sup>^</sup>Ù<sup>,,</sup> Ø¥Ù<sup>,,</sup>Ù<sup>%</sup> Ù<sup>^</sup>Ø§Ø<sup>-</sup>Ù<sup>‡</sup>Ø© Ø§Ù<sup>,,</sup>Ù...Ø<sup>3</sup>Ø<sup>a</sup>Ø<sup>@</sup>Ø<sup>-</sup>Ù... Ø§Ù<sup>,,</sup>Ø±Ø<sup>3</sup>Ù<sup>^</sup>Ù...Ù<sup>š</sup>Ø© ISE  
Ù<sup>^</sup>Ø§Ù<sup>†</sup>Ø<sup>a</sup>Ù<sup>,,</sup>Ù<sup>,,</sup> Ø¥Ù<sup>,,</sup>Ù<sup>%</sup> Administration > System > Maintenance > Repository. Ø«Ù... Ø§Ù<sup>†</sup>Ù<sup>,,</sup>Ø±  
Ø¥Ø<sup>¶</sup>Ø§Ù<sup>^</sup>Ø© ÙfÙ...Ø§ Ù<sup>±</sup>Ù<sup>^</sup> Ù...Ù<sup>^</sup>Ø<sup>¶</sup>Ø Ù<sup>^</sup>Ù<sup>š</sup> Ø§Ù<sup>,,</sup>Ø<sup>μ</sup>Ù<sup>^</sup>Ø±Ø©.

Identity Services Engine Home Context Visibility Operations Policy Administration

System Identity Management Network Resources Device Portal Management pxGrid Services

Deployment Licensing Certificates Logging Maintenance Upgrade Backup & Restore Admin Access

Patch Management

Repository

Operational Data Purging

### Repository List

Edit Add Generate Key pairs Export public key Delete Validate

<input type="checkbox"/>	Repository Name	Protocol	Host
--------------------------	-----------------	----------	------

Repository Name NFS Server Name Path Submit

Identity Services Engine Home Context Visibility Operations Policy Administration

System Identity Management Network Resources Device Portal Management pxGrid Services

Deployment Licensing Certificates Logging Maintenance Upgrade Backup & Restore

Patch Management

Repository

Operational Data Purging

### Repository List > Add Repository

#### Repository Configuration

\* Repository Name NFS-Repo

\* Protocol NFS

#### Location

\* Server Name 10.106.37.200

\* Path /nfs-repo

Submit Cancel



Ø³Ø¹Ù`ÙŠÙ† Ù...Ø³Ø¹Ù`Ø¹ NFS Ù...Ù† Ù`Ø§Ø-Ù‡Ø© Ø³Ø¹Ø± Ø§Ù,,Ø£Ù`Ø§Ù...Ø±

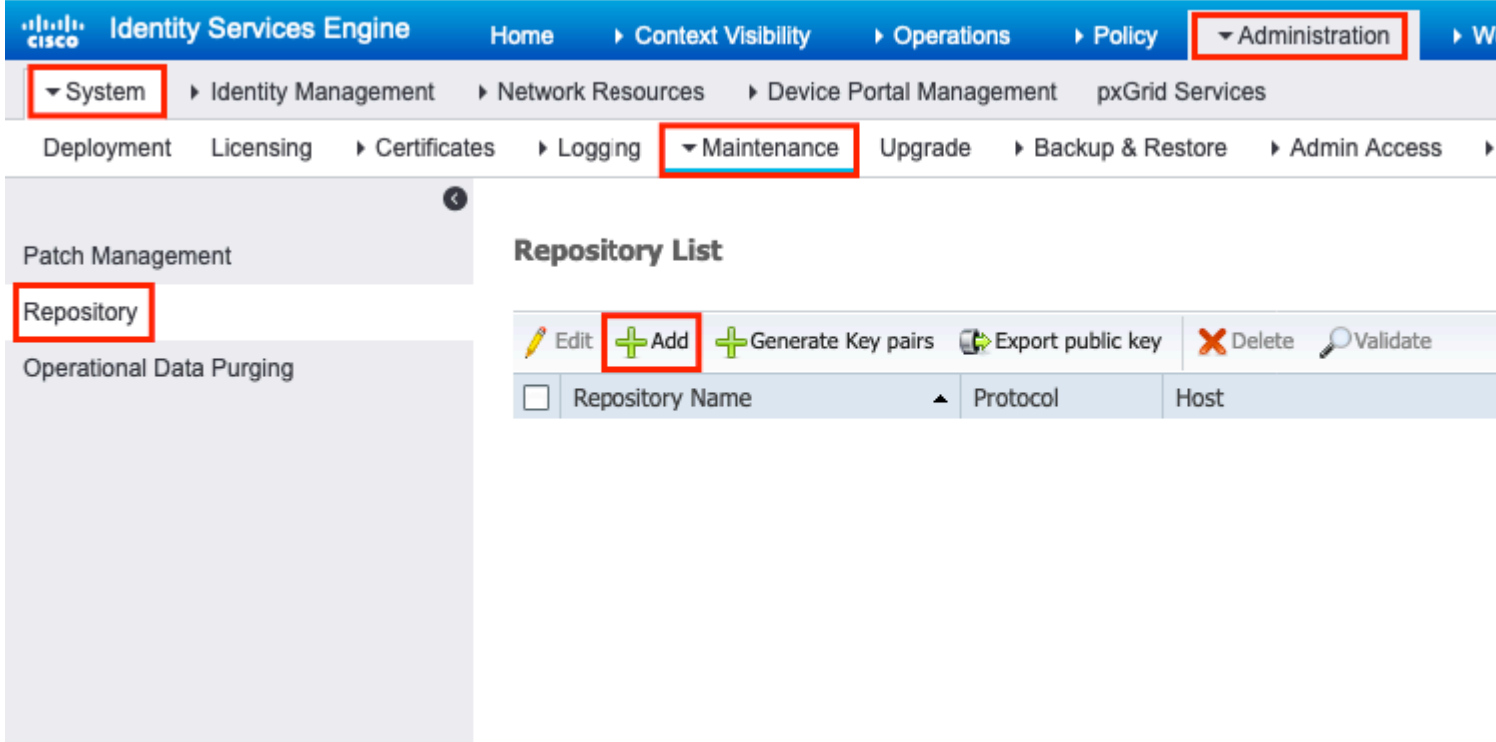
Ø³Ø¹Ù`Ù,, Ø§Ù,,Ø¹Ø®Ù`Ù,, Ø¥Ù,,Ù% Ù`Ø§Ø-Ù‡Ø© Ø³Ø¹Ø± Ø§Ù,,Ø£Ù`Ø§Ù...Ø± (CLI)  
Ù,,Ø¹Ù,Ø¹Ø© ISE Ø¹Ø¹Ø± Ø¹Ø±Ù`Ø¹Ù`Ù†Ù`Ù,, SSH Ù`Ø¹Ø°Ù`Ù,, Ø§Ù,,Ø£Ù`Ø§Ù...Ø±  
Ø§Ù,,Ø¹Ø§Ù,,ÙŠØ©:

```
ise/admin#  
  
ise/admin# configure terminal  
Enter configuration commands, one per line. End with CNTL/Z.  
ise/admin(config)# repository NFS-Repo  
ise/admin(config-Repository)# url nfs://10.106.37.200:/nfs-repo  
ise/admin(config-Repository)# exit  
ise/admin(config)# exit  
ise/admin#
```

### Ø¹Ù`ÙŠÙ† Ù...Ø³Ø¹Ù`Ø¹ ISE Ø§Ù,,Ù...ØÙ,,ÙŠ

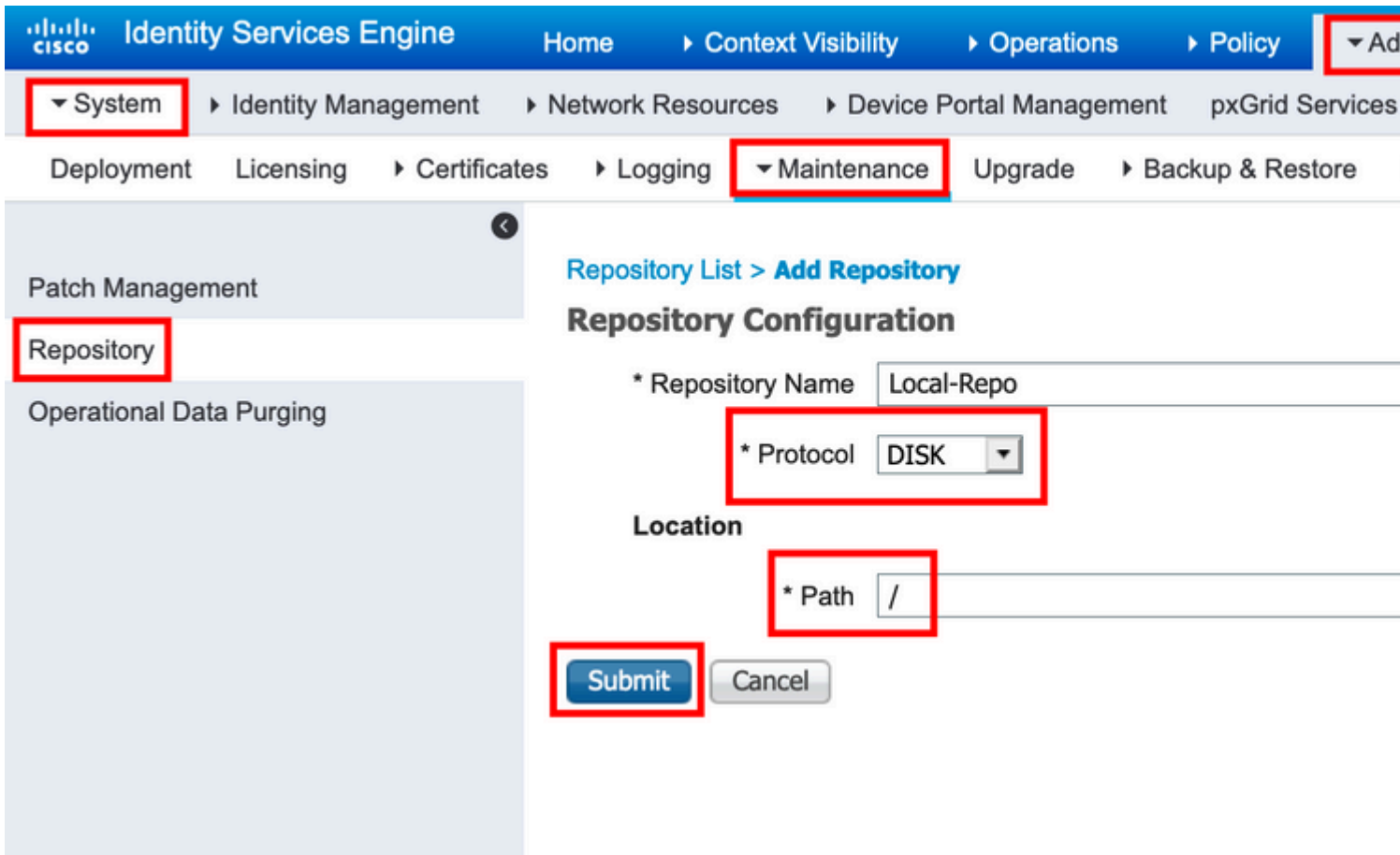
Ø¹Ù`ÙŠÙ† Ø§Ù,,Ù...Ø³Ø¹Ù`Ø¹ Ø§Ù,,Ù...ØÙ,,ÙŠ Ù...Ù† Ù`Ø§Ø-Ù‡Ø©  
Ø§Ù,,Ù...Ø³Ø¹Ø®Ø¹... Ø§Ù,,Ø±Ø³Ù`Ù...ÙŠØ©

Ø§Ù,,Ø®Ø¹Ø¹ 1. Ù,,Ø¹Ù`ÙŠÙ† Ù...Ø³Ø¹Ù`Ø¹ Ø¹Ù,,Ù% ISEØ£ Ù,,Ù... Ø¹Ø¹Ø³Ø¹ÙŠÙ,,  
Ø§Ù,,Ø¹Ø®Ù`Ù,, Ø¥Ù,,Ù% Ù`Ø§Ø-Ù‡Ø© Ø§Ù,,Ù...Ø³Ø¹Ø®Ø¹... Ø§Ù,,Ø±Ø³Ù`Ù...ÙŠØ© ISE  
Ù`Ø§Ù†Ø¹Ù,, Ù,, Ø¥Ù,,Ù% Administration > System > Maintenance > Repository. Ø«Ù... Ø§Ù†Ù,,Ø± AddØ£  
Ù†Ù...Ø§ Ù‡Ù` Ù...Ù`Ø¶Ø Ù`ÙŠ Ø§Ù,,ØµÙ`Ø±Ø©.



Ø§Ù,,Ø®Ø¹Ø¹ 2. Ø¹Ù`Ù`ÙŠØ± Repository Name Ù`Ø¹Ø®Ø¹Ø§Ø± DISK Ù†Ø¹Ù`Ø¹Ù`Ù†Ù`Ù,,  
Ø«Ù... Ø£Ø¹Ø®Ù,, Path Ù`Ø§Ù†Ù,,Ø± Ù`Ù`Ù,, SubmitØ£ Ù†Ù...Ø§ Ù‡Ù` Ù...Ù`Ø¶Ø Ù`ÙŠ

Ø§Ù,,ØµÙ^Ø±Ø©.



ØªÙfÙÙŠÙ† Ø§Ù,,Ù...Ø³ØªÙ^Ø-Ø¹ Ø§Ù,,Ù...ØÙ,,ÙŠ Ù...Ù† Ù^Ø§Ø-Ù‡Ø© Ø³Ø·Ø± Ø§Ù,,Ø£Ù^Ø§Ù...Ø±

Ø³Ø-Ù^Ù,, Ø§Ù,,Ø-Ø@Ù^Ù,, Ø¥Ù,,Ù% Ù^Ø§Ø-Ù‡Ø© Ø³Ø·Ø± Ø§Ù,,Ø£Ù^Ø§Ù...Ø± (CLI)  
Ù,,Ø¹Ù,,Ø-Ø© ISE Ø¹Ø^Ø± Ø^Ø±Ù^ØªÙ^ÙfÙ^Ù,, SSH Ù^Ø^Ø^Ù^Ù,, Ø§Ù,,Ø£Ù^Ø§Ù...Ø±  
Ø§Ù,,ØªØ§Ù,,ÙŠØ©:

```
ise/admin#  
  
ise/admin# configure terminal  
Enter configuration commands, one per line. End with CNTL/Z.  
ise/admin(config)# repository Local-Repo  
ise/admin(config-Repository)# url disk:/  
ise/admin(config-Repository)# exit  
ise/admin(config)# exit  
ise/admin#
```

---

Ù...Ù,,Ø§ØØ,Ø©: ØªØ@Ø²ÙŠÙ† Ø^ÙŠØ§Ù‡Ø§Øª Ø§Ù,,Ù...Ø³ØªÙ^Ø-Ø¹ Ø§Ù,,Ù...ØÙ,,ÙŠ  
Ù...ØÙ,,ÙŠØ§ Ø¹Ù,,Ù% Ù,,Ø±ØµISE.

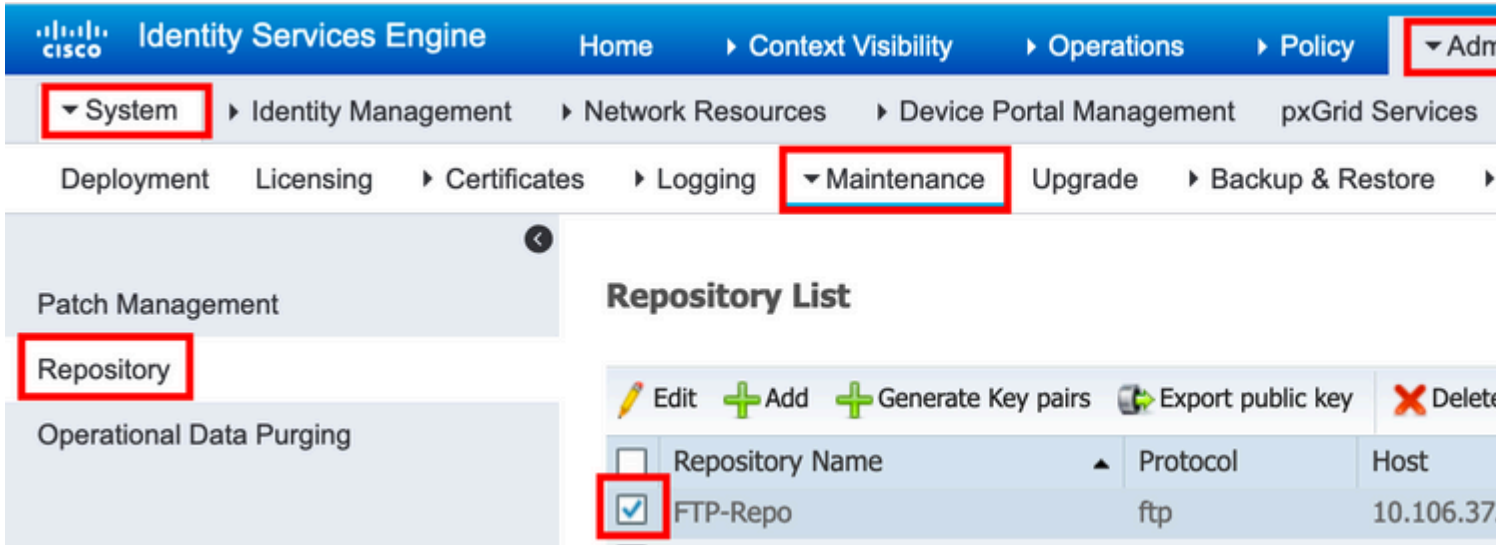
---

Ø§Ù,,ØªØÙ,,Ù, Ù...Ù† Ø§Ù,,ØØØ©

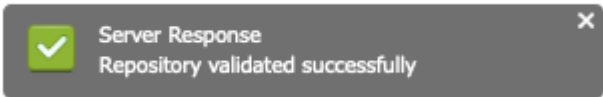
ÜŞÜ...ÜfÜ† Ø§Ü,,ØªØÜ,Ü, Ü...Ü† Ø§Ü,,Ü...Ø³ØªÜˆØ¹ Ü...Ü† ÜfÜ,, Ü...Ü† ÜˆØ§Ø-Ü‡Ø© Ø§Ü,,Ü...Ø³ØªØ®Ø-Ü... Ø§Ü,,Ø±Ø³ÜˆÜ...ÜŞØ© (GUI) ÜˆØ§Ø-Ü‡Ø© Ø³Ø·Ø± Ø§Ü,,Ø£ÜˆØ§Ü...Ø± (CLI) Ü,,Ø®Ø§Ø-Ü... ISE.

**Ø§Ü,,ØªØÜ,Ü, ØˆØ§Ø³ØªØ®Ø-Ø§Ü... ÜˆØ§Ø-Ü‡Ø© Ø§Ü,,Ü...Ø³ØªØ®Ø-Ü... Ø§Ü,,Ø±Ø³ÜˆÜ...ÜŞØ©**

Ü,,Ø§Ø³ØªØ®Ø-Ø§Ü... ÜˆØ§Ø-Ü‡Ø© Ø§Ü,,Ü...Ø³ØªØ®Ø-Ü... Ø§Ü,,Ø±Ø³ÜˆÜ...ÜŞØ© (GUI) Ü,,Ü,,ØªØÜ,Ü, Ü...Ü† Ø®Ø© Ø§Ü,,Ü...Ø³ØªÜˆØ¹Ø£ Ø§Ü†ØªÜ,Ü,, Ø¥Ü,,Ü% Administration > System > Maintenance > RepositoryØ£ ØØØ- Ø§Ü,,Ü...Ø³ØªÜˆØ¹Ø£ Ø«Ü... Ø§Ü†Ü,Ø± ÜˆÜ, ValidateØ£ ÜfÜ...Ø§ Ü‡Ü Ü...ÜˆØ¶Ø ÜˆÜŞ Ø§Ü,,ØµÜˆØ±Ø©.



ØˆØ¹Ø- Ø§Ü,,Ü†Ü,Ø± ValidateÜŞØ-Øˆ Ø£Ü† ØªØ®,, Ø¹Ü,,Ü% Repository validated successfully Ø¹Ü,,Ü% ÜˆØ§Ø-Ü‡Ø© Ø§Ü,,Ü...Ø³ØªØ®Ø-Ü... Ø§Ü,,Ø±Ø³ÜˆÜ...ÜŞØ©Ø£ ÜfÜ...Ø§ Ü‡Ü Ü...ÜˆØ¶Ø ÜˆÜŞ Ø§Ü,,ØµÜˆØ±Ø©.



**Ø§Ü,,ØªØÜ,Ü, ØˆØ§Ø³ØªØ®Ø-Ø§Ü... CLI (ÜˆØ§Ø-Ü‡Ø© Ø³Ø·Ø± Ø§Ü,,Ø£ÜˆØ§Ü...Ø±)**

Ü,,Ü,,ØªØÜ,Ü, Ü...Ü† Ø®Ø© Ø§Ü,,Ü...Ø³ØªÜˆØ¹ Ü...Ü† ÜˆØ§Ø-Ü‡Ø© Ø³Ø·Ø± Ø§Ü,,Ø£ÜˆØ§Ü...Ø±Ø£ Ü,Ü... ØˆØªØ³Ø-ÜŞÜ,, Ø§Ü,,Ø-Ø®ÜˆÜ,, Ø¥Ü,,Ü% Ø¹Ü,Ø-Ø© ISE Ø¹ØˆØ± SSH ÜˆÜ,Ü... ØˆØªØˆØÜŞÜ,, Ø§Ü,,Ø£Ü...Ø± show repository <name of the repository>. ÜŞØ³Ø±Ø- Ø¥Ø®Ø±Ø§Ø- Ø§Ü,,Ø£Ü...Ø± Ø§Ü,,Ü...Ü,,ÜˆØ§Øª Ø§Ü,,Ü...ÜˆØ-ÜˆØ-Ø© ÜˆÜŞ Ø§Ü,,Ü...Ø³ØªÜˆØ¹.

```
ise/admin#
ise/admin# show repository FTP-Repo
Config-Backup-CFG10-200307-1043.tar.gpg
ise/admin#
```

# 0x030aÙf0'0sÙ 0sÙ,,0E0®0·0s0; Ù^0¥0μÙ,,0s0Ù±0s

Ù,,0a0p0š0 0E0®0·0s0; 0sÙ,,Ù...0³0aÙ^0-0¹ Ù 0š ISE0CE 0E0³0a0®0-Ù... 0a0μ0Ùš0 0sÙ,,0E0®0·0s0; 0sÙ,,0a0sÙ,,Ùš0©:

<#root>

ise-1/pan#

debug copy 7

ise-1/pan#

debug transfer 7

ise-1/pan#

```
ise-1/pan# 6 [25683]:[info] transfer: cars_xfer.c[220] [system]: ftp dir of repository FTP-Repo request
7 [25683]:[debug] transfer: cars_xfer_util.c[2017] [system]: ftp get dir for repos FTP-Repo
7 [25683]:[debug] transfer: cars_xfer_util.c[2029] [system]: initializing curl
7 [25683]:[debug] transfer: cars_xfer_util.c[2040] [system]: full url is ftp://10.106.37.174/ISE/
7 [25683]:[debug] transfer: cars_xfer_util.c[1928] [system]: initializing curl
7 [25683]:[debug] transfer: cars_xfer_util.c[1941] [system]: full url is ftp://10.106.37.174/ISE/Config-
7 [25683]:[debug] transfer: cars_xfer_util.c[1962] [system]: res: 0
7 [25683]:[debug] transfer: cars_xfer_util.c[1966] [system]: res: 0----filetime Config-Backup-CFG10-200
7 [25683]:[debug] transfer: cars_xfer_util.c[1972] [system]: filetime Config-Backup-CFG10-200307-1043.ta
7 [25683]:[debug] transfer: cars_xfer_util.c[1976] [system]: filesize Config-Backup-CFG10-200307-1043.ta
6 [25683]:[info] transfer: cars_xfer.c[130] [system]: ftp copy out of /opt/backup/backup-Config-Backup-1
6 [25683]:[info] transfer: cars_xfer_util.c[787] [system]: curl version: libcurl/7.29.0 OpenSSL/1.0.2s z
7 [25683]:[debug] transfer: cars_xfer_util.c[799] [system]: full url is ftp://10.106.37.174/ISE/Config-
```

Ùš0aÙ... 0a0¹0·ÙšÙ,, 0a0p0š0 0sÙ,,0E0®0·0s0; ÙfÙ...0s Ù‡Ù^ Ù...Ù^0¶0 Ù‡Ù+0s:

ise-1/pan#

ise-1/pan# no debug copy 7

ise-1/pan# no debug transfer 7

ise-1/pan#

Ù,,0¶Ù...0sÙ‡ Ù^0-Ù^0- 0s0a0p0sÙ,, 0p0š0 0-ÙšÙ‡ ISE Ù^0®0s0Ù-Ù... 0sÙ,,Ù...0³0aÙ^0-0¹ 0sÙ,,0°Ùš 0aÙ... 0aÙfÙ^ÙšÙ‡Ù‡0CE Ù,,Ù... 0^0¥0¹0-0s0- 0sÙ,,0aÙ,0s0· 0²Ù...0© Ù...Ù‡ Ù^0s0Ù-Ù‡0© 0sÙ,,Ù...0³0a0®0-Ù... 0sÙ,,0±0³Ù^Ù...Ùš0© (GUI) Ù,, ISE:

- 0sÙ‡0aÙ,Ù,, 0¥Ù,,Ù% 0sÙ,,0¹Ù...Ù,,Ùš0s0a > 0E0³0aÙf0'0sÙ 0sÙ,,0E0®0·0s0; Ù^0¥0μÙ,,0s0Ù±0s > 0E0-Ù^0s0a 0sÙ,,0a0'0®Ùš0μ > 0aÙ 0±Ùš0° TCP.
- 0E0-0®Ù,, 0sÙ,,Ù,ÙšÙ...0© 0sÙ,,Ù...Ù‡0s0³0-0© Ù 0š "0¹0sÙ...Ù,, 0sÙ,,0a0μÙ 0š0©" Ù^00-0- "0sÙ,,0aÙ‡0³ÙšÙ,".
- 0sÙ‡Ù,0± 0¹Ù,,Ù% 0-0-0;.

Identity Services Engine Home Context Visibility Operations Policy Administration

RADIUS Threat-Centric NAC Live Logs TACACS Troubleshoot Reports

Diagnostic Tools Download Logs

General Tools

- RADIUS Authentication Trouble...
- Execute Network Device Comm...
- Evaluate Configuration Validator
- Posture Troubleshooting
- EndPoint Debug
- TCP Dump**
- Session Trace Tests

TrustSec Tools

## TCP Dump

Monitor the packet headers on the network and save to a file (up to 5 Minutes)

Status - Stopped **Start**

Host Name ise-1

Network Interface GigabitEthernet 0

Promiscuous Mode  On  Off

Filter ip host 10.106.37.174  
Example: 'ip host helios and not iceberg'

Format Raw Packet Data

Administration > System > Maintenance > Repository > Operations > Troubleshoot > Diagnostic tools > TCP Dump

Stop



General Tools

RADIUS Authentication Trouble...

Execute Network Device Comm...

Evaluate Configuration Validator

Posture Troubleshooting

EndPoint Debug

TCP Dump

Session Trace Tests

TrustSec Tools

## TCP Dump

Monitor the packet headers on the network and save to a file (up to 5 Minutes)

Status Stopped Start

Host Name ise-1

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Promiscuous Mode  On  Off

Filter ip host 10.106.37.174

Example: 'ip host helios and not iceberg'

Format Raw Packet Data

## Dump File

Last created on Tue Apr 21 07:37:24 IST 2020

FileSize : 9062 bytes

Format : Raw Packet Data

Host Name : ise-1

Network Interface : GigabitEthernet 0

Promiscuous Mode : On

Filter : ip host 10.106.37.174

Download

Delete

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا اذ ه Cisco ت مچرت  
م ل ا ل ا ا ن ا ع مچ ي ف ن ي م دخت س م ل ل م عد ي و ت ح م م ي دقت ل ة ي ر ش ب ل و  
ا م ك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب  
Cisco ي ل خ ت . ف ر ت ح م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة مچرت ل ا ع م ل ا ح ل ا و ه  
ي ل ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco  
Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن ت س م ل ا