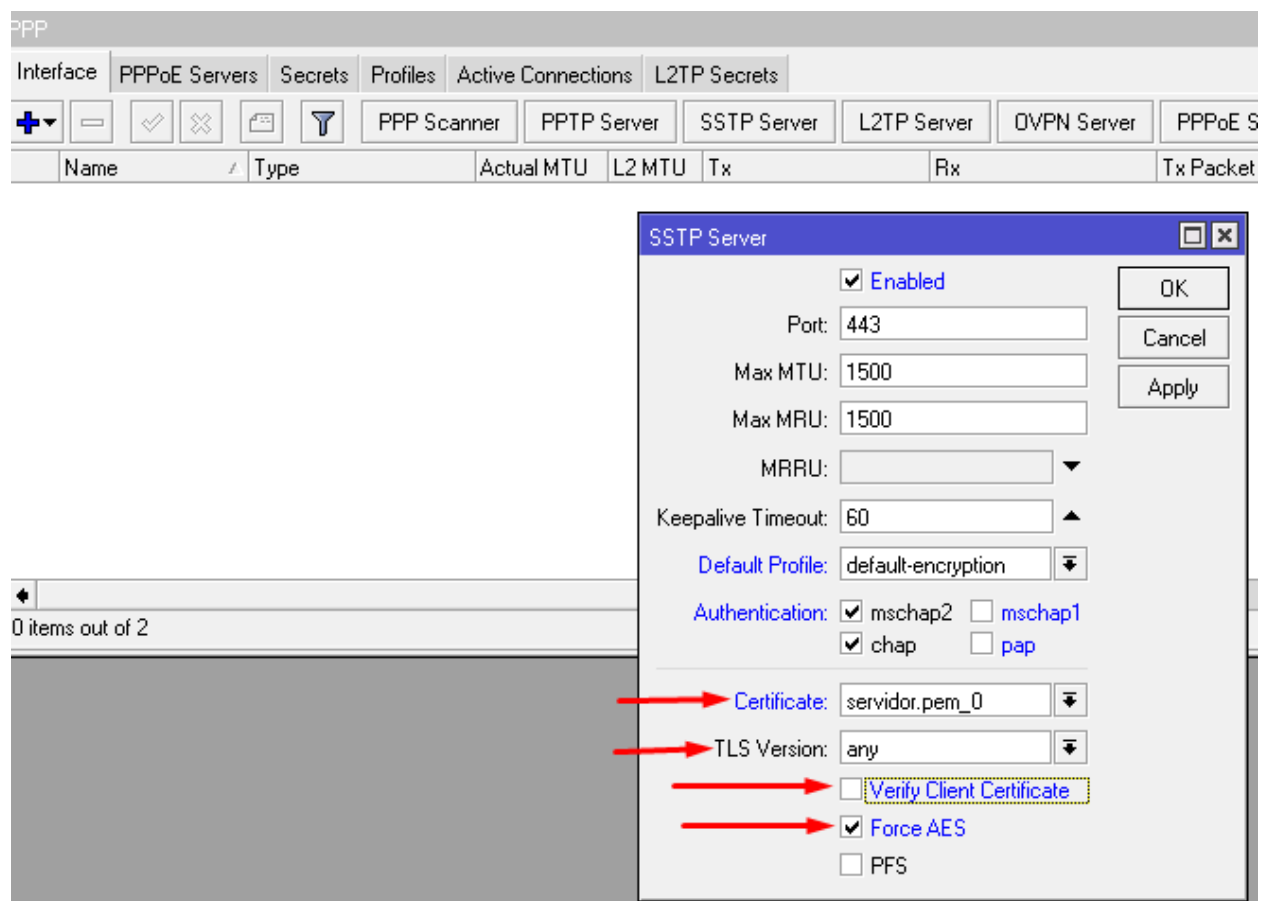


Laboratorio 3.3: Configuración de SSTP server con Certificados.

Objetivos: Configurar un Túnel SSTP server con certificados y cliente Mikrotik

- **Paso 1:** Una vez dentro de nuestro Winbox nos dirigimos a la pestaña PPP luego allí seleccionamos SSTP server una vez allí nos dirigimos **Certificate**: ponemos el certificado creado en **Verify Client Certificate**: los seleccionaremos si quien se va a contar es un mikrotik esta función es propietaria de mikrotik para verificar si el certificado del cliente es válido y posee los mismos parámetros

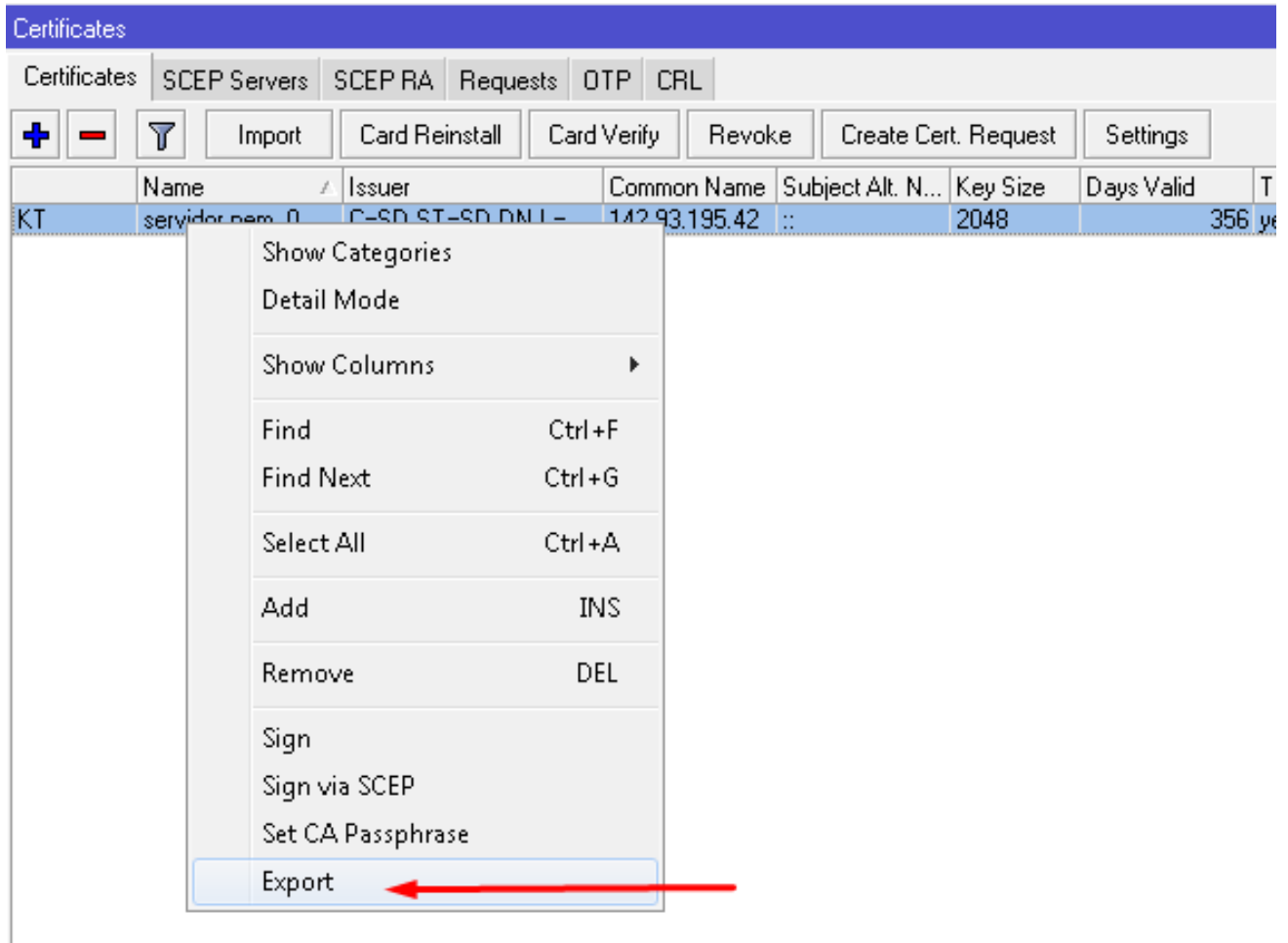


The screenshot shows the Mikrotik WinBox interface with the PPP configuration window open. The 'SSTP Server' configuration dialog is displayed, showing the following settings:

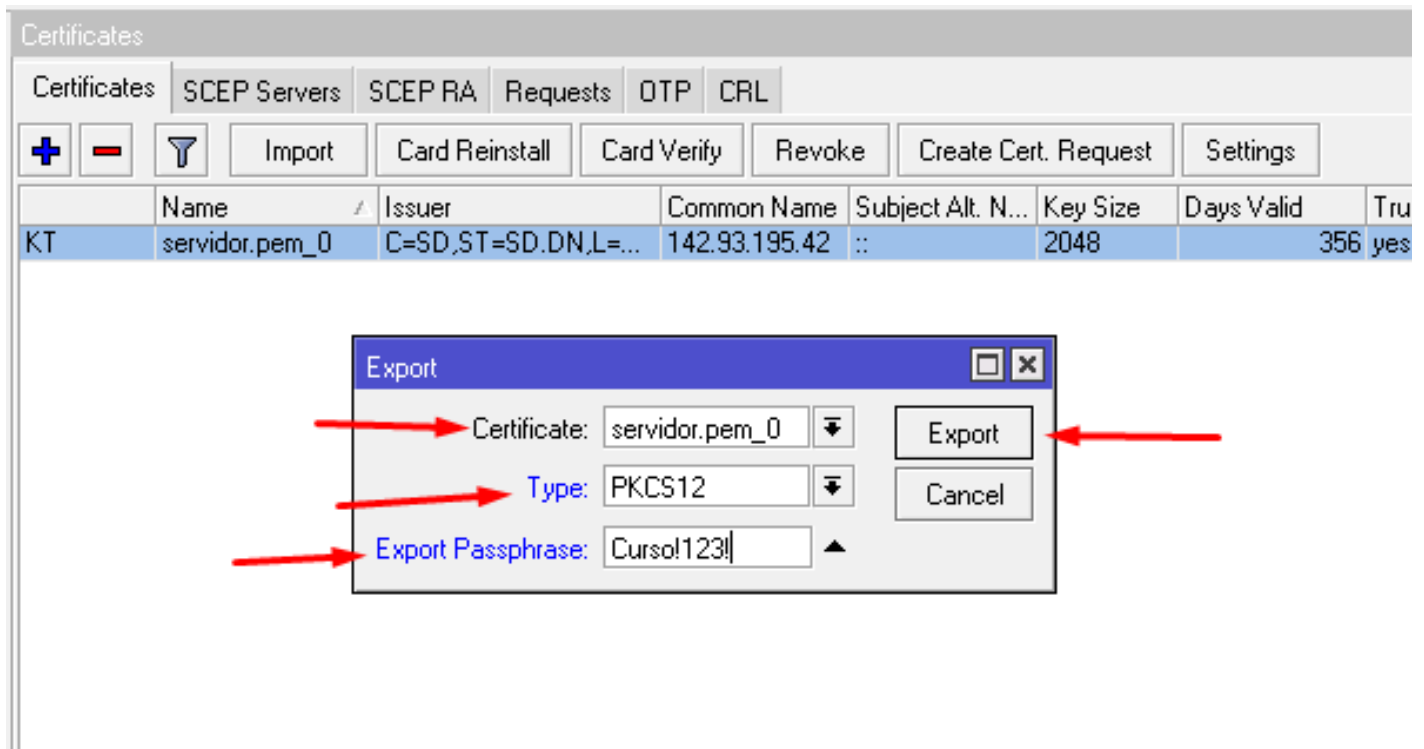
- Enabled
- Port: 443
- Max MTU: 1500
- Max MRU: 1500
- MRRU: (empty)
- Keepalive Timeout: 60
- Default Profile: default-encryption
- Authentication: mschap2, mschap1, chap, pap
- Certificate: servidor.pem_0
- TLS Version: any
- Verify Client Certificate
- Force AES
- PFS

Red arrows point to the Certificate, TLS Version, Verify Client Certificate, and Force AES fields.

- **Paso 2:** Luego Exportaremos nuestro certificado para que nuestros clientes se puedan conectar a nuestro server dígame clientes Mikrotik, Windows y Linux.



Paso 3: Exportamos Nuestro Certificado de la siguiente manera



The screenshot shows the Mikrotik WinBox interface for managing certificates. The 'Certificates' window is open, displaying a table of certificates. An 'Export' dialog box is overlaid on top, with red arrows pointing to its fields and buttons.

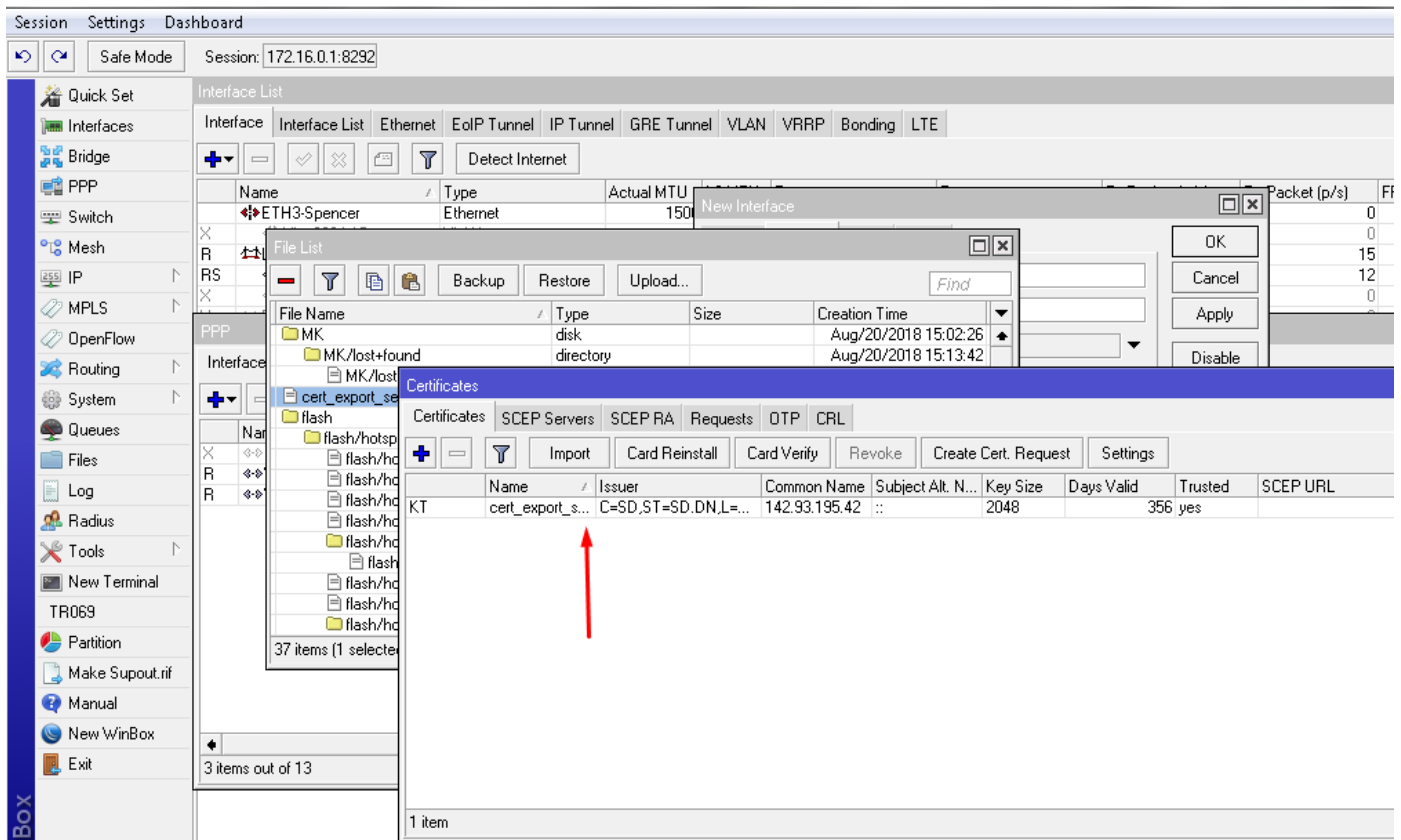
Name	Issuer	Common Name	Subject Alt. N...	Key Size	Days Valid	Tru	
KT	servidor.pem_0	C=SD,ST=SD,DN,L=...	142.93.195.42	::	2048	356	yes

Export Dialog Box Fields:

- Certificate: servidor.pem_0
- Type: PKCS12
- Export Passphrase: Cursol123!

Buttons: Export, Cancel

Paso 4: Ahora importamos nuestro Certificado a nuestro Mikrotik cliente.

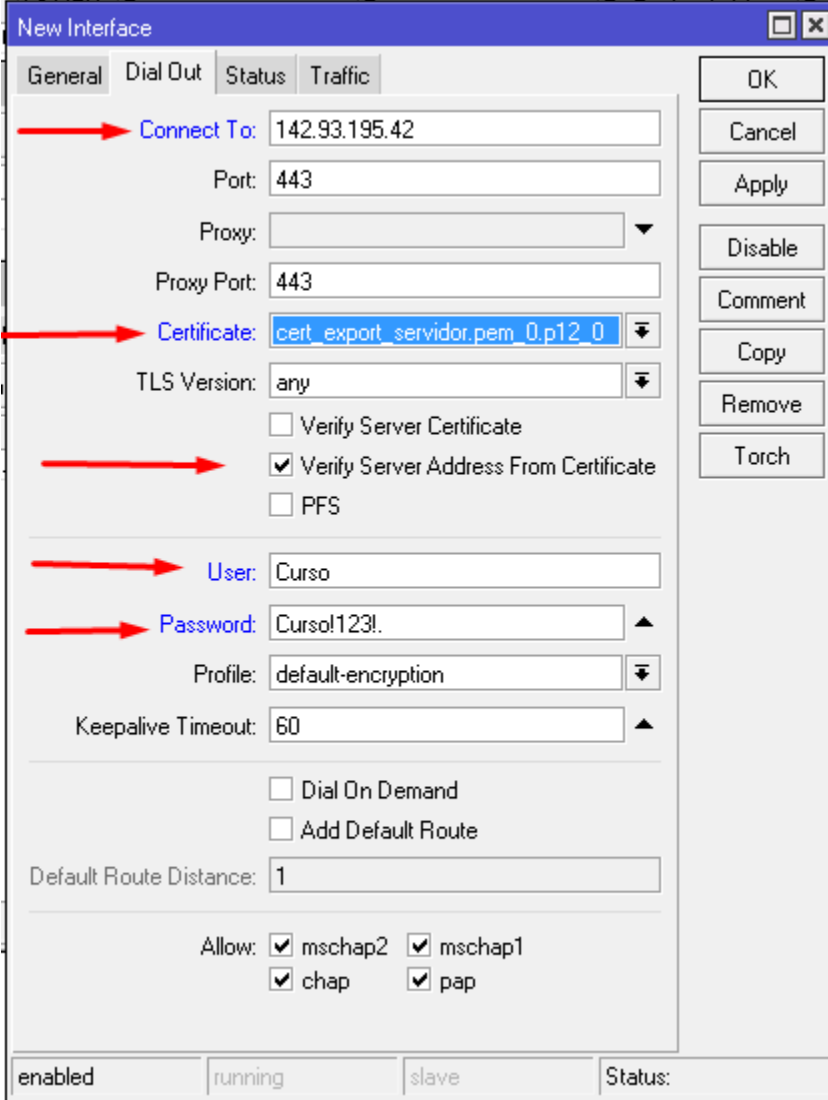


The screenshot shows the Mikrotik WinBox interface with the 'Certificates' window open. The 'File List' window is also open, showing the file 'cert_export_se...' selected in the 'flash' directory. A red arrow points to the 'Import' button in the 'Certificates' window.

The 'Certificates' window displays the following table:

Name	Issuer	Common Name	Subject Alt. N...	Key Size	Days Valid	Trusted	SCEP URL
KT	cert_export_s...	C=SD,ST=SD,DN,L=...	142.93.195.42	2048	356	yes	

- **Paso 5:** Una vez importado empezamos a crear nuestro cliente, en la parte de **certificate** ponemos nuestro certificado creado, configuramos el user, password y una vez configurado todo vemos nuestro VPN SSTP registrado.

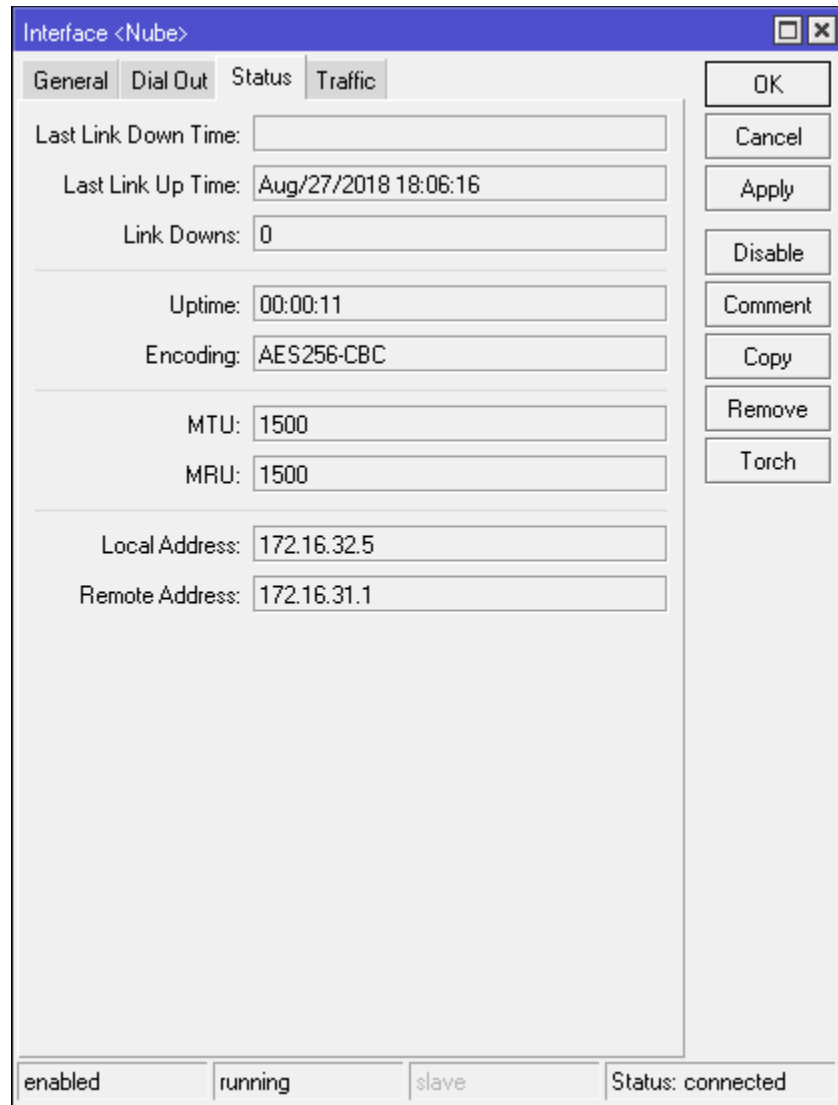


The screenshot shows the 'New Interface' configuration window with the 'General' tab selected. The configuration is as follows:

- Connect To:** 142.93.195.42
- Port:** 443
- Proxy:** (empty)
- Proxy Port:** 443
- Certificate:** cert_export_servidor.pem_0.p12_0
- TLS Version:** any
- Verify Server Certificate
- Verify Server Address From Certificate
- PFS
- User:** Curso
- Password:** Curso!123!
- Profile:** default-encryption
- Keepalive Timeout:** 60
- Dial On Demand
- Add Default Route
- Default Route Distance:** 1
- Allow:**
 - mschap2
 - mschap1
 - chap
 - pap

At the bottom, the interface status is shown as 'enabled', 'running', 'slave', and 'Status:'. On the right side, there are buttons for 'OK', 'Cancel', 'Apply', 'Disable', 'Comment', 'Copy', 'Remove', and 'Torch'.

Aquí vemos nuestro cliente Mikrotik conectado.



The screenshot shows the Mikrotik WinBox configuration window for an interface named '<Nube>'. The window has a blue title bar and a tabbed interface with 'General', 'Dial Out', 'Status', and 'Traffic' tabs. The 'General' tab is active, displaying various configuration fields. On the right side, there is a vertical column of buttons: OK, Cancel, Apply, Disable, Comment, Copy, Remove, and Torch. At the bottom of the window, there are four status indicators: 'enabled', 'running', 'slave', and 'Status: connected'.

Field	Value
Last Link Down Time:	
Last Link Up Time:	Aug/27/2018 18:06:16
Link Downs:	0
Uptime:	00:00:11
Encoding:	AES256-CBC
MTU:	1500
MRU:	1500
Local Address:	172.16.32.5
Remote Address:	172.16.31.1

enabled running slave Status: connected