

Tecnologias de Comunicação sem Fio

Mguard Secure Cloud

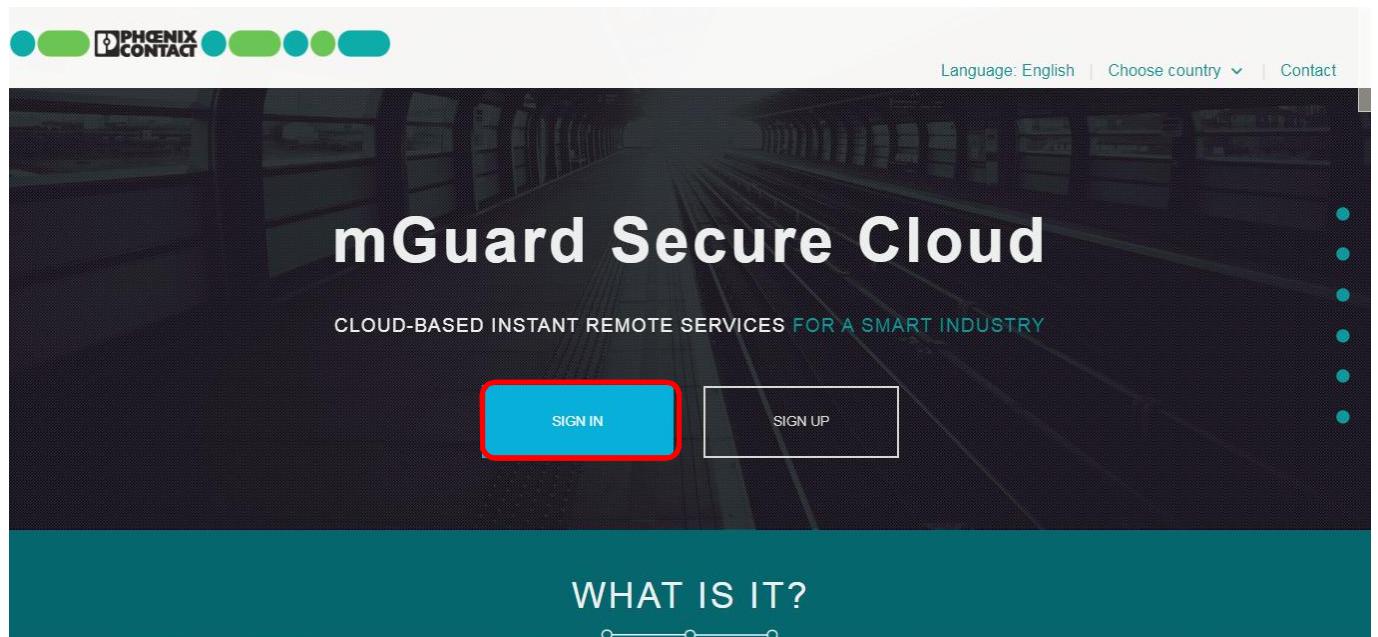


TC Cloud LAN

1. Acessar o portal MGUARD SECURE CLOUD

<https://us.cloud.mguard.com>

a) Fazer login – SIGN IN



b) Inserir dados do usuário para login

The screenshot shows a 'SIGN IN' dialog box. It contains three input fields: the first is filled with 'PHO91301US' and has a red border; the second is filled with 'phoenixcontactrs@gmail.com'; the third is filled with '.....'. To the right of these fields is a callout bubble containing the text: 'Conta: PHO91301US', 'User: phoenixcontactrs@gmail.com', and 'Senha: Pxc@123456'. Below the input fields are two buttons: 'Stay signed in' (unchecked) and 'Cancel'. At the bottom right is an 'OK' button, which is also highlighted with a red border. The dialog box has a light gray background and a white header.

2. Configurar o TC CLOUD a ser acessado remotamente

Language: English | Contact | Help & Support | Log out

Service VPN tunnel offline > No secure connection initiated > No secure remote access to service target (machine)

Show operator/locations: All | 0-9 | A-B | C-D | E-F | G-H | I-J | K-L | M-N | O-P | Q-R | S-T | U-V | W-X | Y-Z

Active VPNs

All Service Targets (facilities and machines) currently connected with the mGuard Secure Cloud via secure VPN.

© 2011-2018 PHOENIX CONTACT Cyber Security | Data privacy | Legal Notice

a) Criar uma nova configuração de dispositivo ou editar uma já feita

Language: English | Contact | Help & Support | Log out

Service VPN tunnel offline > No secure connection initiated > No secure remote access to service target (machine)

Show operator/locations: All | 0-9 | A-B | C-D | E-F | G-H | I-J | K-L | M-N | O-P | Q-R | S-T | U-V | W-X | Y-Z

Active VPNs PxC_BR

PxC_BR

1 RS2000_3G	SN:	VPN: offline			⋮
2 RS4000-4G	SN:	VPN: offline			⋮
3 RS4000_TX	SN:	VPN: offline			⋮

© 2011-2018 PHOENIX CONTACT Cyber Security | Data privacy | Legal Notice

b) Escolher o modelo e o modo em que o dispositivo irá trabalhar

VPN Builder | Request VPN configuration (machine: TC CLOUD TX/TX)

1 VPN client (machine) 2 VPN connection 3 Mobile 4 Network 5 Internal network 6 Misc.

Choose a VPN client and mode

mGuard Stealth mode
 mGuard Router mode
 mGuard Mobile (4G/3G)
 mGuard Ethernet plus 4G/3G
 TC CLOUD CLIENT LAN
 TC CLOUD CLIENT 4G

Back Request

c) Configuração da rede LAN do TC CLOUD

VPN Builder | Request VPN configuration (machine: TC CLOUD TX/TX)

1 VPN client (machine) 2 VPN connection 3 Mobile 4 Network 5 Internal network 6 Misc.

DNS configuration (optional) (i)

IP address of DNS server (optional): 8.8.8.8

Configure MTU size (i)

MTU size: 1414

Configuration LAN IP address (i)

Static IP address Dynamic IP address (DHCP)

LAN IP address: 192.168.1.1 *

Netmask: 255.255.255.0

Internal network:
e.g. 192.168.1.10
e.g. 255.255.255.0

Machine IP address: 192.168.1.XX

WAN port LAN port

OPCIONAL - DNS do Google ou o IP do servidor de internet local

IP do porta LAN

IP do roteador de internet

Default gateway: 192.168.1.254

* = Mandatory field

Back Next Request

d) Inserir parâmetros da operadora de dados do chip a ser usado

VPN Builder | Request VPN configuration (machine: TC CLOUD TX/TX)

1 VPN client (machine) 2 VPN connection 3 Mobile 4 Network 5 Internal network 6 Misc.

Please enter the new admin password for the TC Cloud Client

Password: admin Repeat password: admin

Please enter the serial number of the VPN client (optional)

Serial Number:

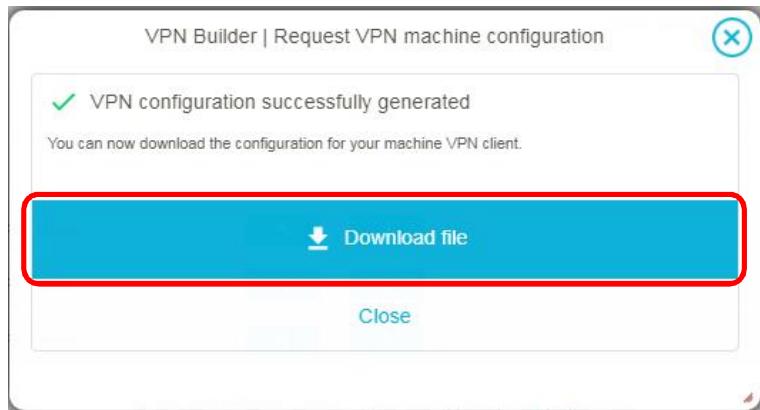
Shall the vpn connection be initiated via a key switch (Service-IO)?

Use key switch: No

Caso já tenha acessado o browser e alterado manualmente a senha de acesso, basta inserir a nova senha

Back Next Request

e) Download do arquivo de configuração realizada



f) Acesse o browser do TC CLOUD e faça upload da configuração feita.

The screenshot shows the "TC CLOUD CLIENT 1002-TX/TX" configuration page. On the left, there's a device image and a sidebar with navigation links: Device information, Status, System (with sub-options IP configuration, Log file, Load configuration, Date/time, Reboot), and Firmware update. The "Logout" link is also visible. In the center, there's a "Load configuration" section with an "Upload" button, a "Durchsuchen..." (Browse...) button, and an "Apply" button. Below it is a "Reset to factory defaults" section with an "Apply" button. A yellow callout box with a black border contains the text: "Busque o arquivo XML da configuração feita no portal e após APPLY, faça o REBOOT para que as novas configurações sejam carregadas". A red arrow points from the "Reboot" link in the sidebar to the "Reboot" link in the callout box.

3. Configurar a VPN para se conectar ao portal MGUARD SECURE

The screenshot shows the mGuard secure cloud web interface. At the top, there are navigation links for Routing, Service Targets (Machines), Service Workstations (which is highlighted with a red box), Administration, Logbook, and Preferences. Below the navigation bar, a message states "Service VPN tunnel offline > No secure connection initiated > No secure remote access to service target (machine)". The main area is titled "Workstations" and shows a table with one entry: "1 | iphone | No user | not connected | VPN: offline". A red box highlights the "All Service Workstations" button with a plus sign, and another red box highlights the "Service Workstations" tab in the header.

a) Criar uma nova configuração de VPN

The screenshot shows the "Add new service workstation" dialog box. It has a red box around the input field where "Eletrofair" is typed. Below the input field is a note: "* = Mandatory field". At the bottom, there are "Cancel" and "OK" buttons, with the "OK" button highlighted by a red box. The background shows the same mGuard interface as the previous screenshot, with the "Service Workstations" tab selected.

b) Editar parâmetros da nova VPN criada

The screenshot shows the "Workstations" list after the new entry was added. The table now has two rows: "1 | Eletrofair | No user | not connected | VPN: offline" and "2 | iphone | No user | not connected | VPN: offline". The "Edit" icon for the "Eletrofair" row is highlighted with a red box. The "All Service Workstations" button is also highlighted with a red box at the top of the list.

c) Editar parâmetros da nova VPN criada

VPN Builder | Request VPN configuration (service: Eletrofair)

1 VPN client type > 2 VPN connection > 3 Machine network

VPN client type

Choose a VPN client type i

mGuard Secure VPN Client (commercial software client with vendor support)

Shrew Soft VPN Client (free software client w/o vendor support)

Integrated iOS VPN Client (Apple iPad, iPhone)

Integrated macOS VPN Client (Apple Mac)

mGuard VPN appliance (hardware)

Please enter the client password:

Password: * Pxc@123456 Eye icon

Repeat password: * Pxc@123456 Eye icon

* = Mandatory field
- Passwords must be at least 8 characters long and should contain letters, numbers and special characters.

Back **Next** Request

d) Configurar na mesma faixa de IP em que a máquina remota configurada

e) Gerar o arquivo de configuração realizada

VPN Builder | Request VPN configuration (service: Eletrofair)

1 VPN client type > 2 VPN connection > **3 Machine network**

Machine network

Please enter the destination network, which you want to reach through your VPN connection, for example, IP address of the network: 192.168.1.0 and Netmask: 255.255.255.0.

Hint: The IP address of the network must be a private IP address, i.e. within the following subnets: 10.0.0.0/8, 172.16.0.0/12, 192.168.0.0/16

IP address of the network: * 192.168.1.0

Netmask: 255.255.255.0 Eye icon

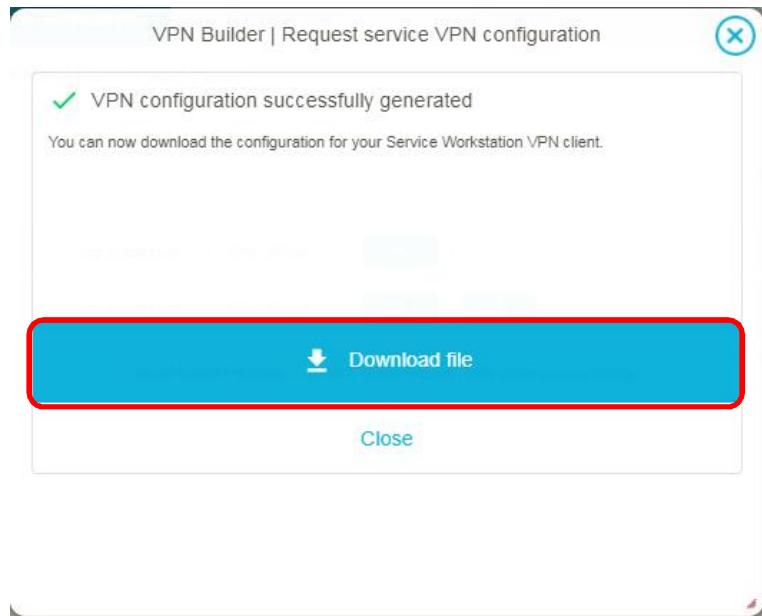
* = Mandatory field

WAN port LAN port Machine IP address: 192.168.1.XX Gear icon

Machine network: 192.168.1.0 255.255.255.0

Back Next **Request**

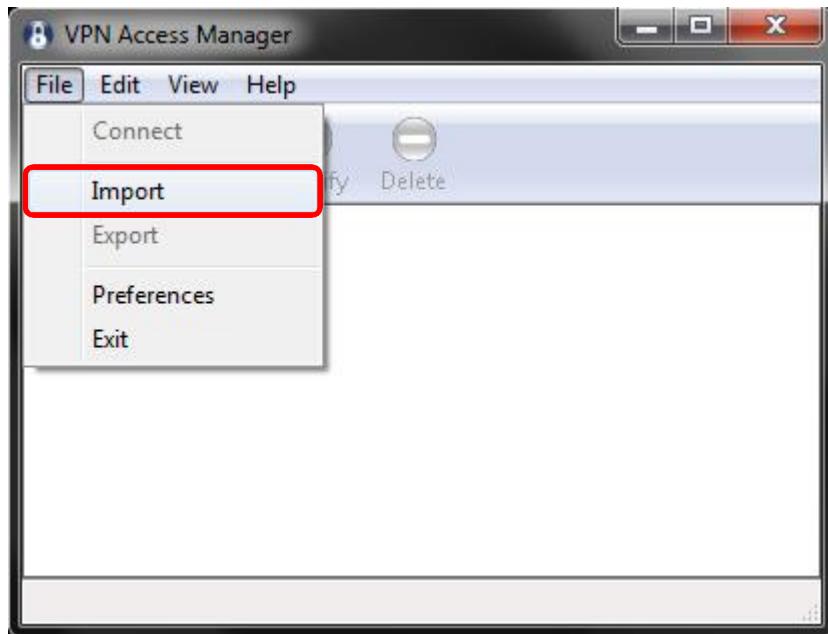
- f) Download do arquivo de configuração de VPN realizada



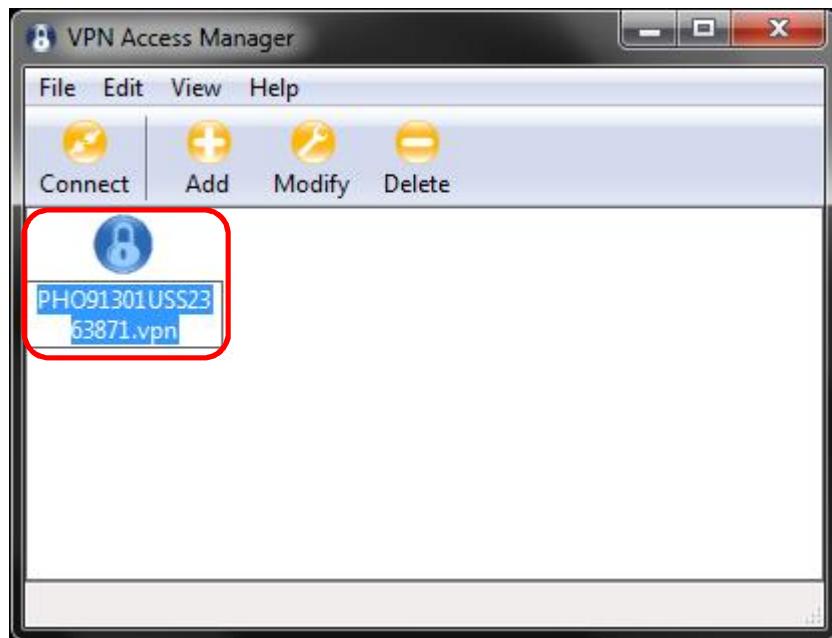
4. Abrir o software Shrew Soft VPN



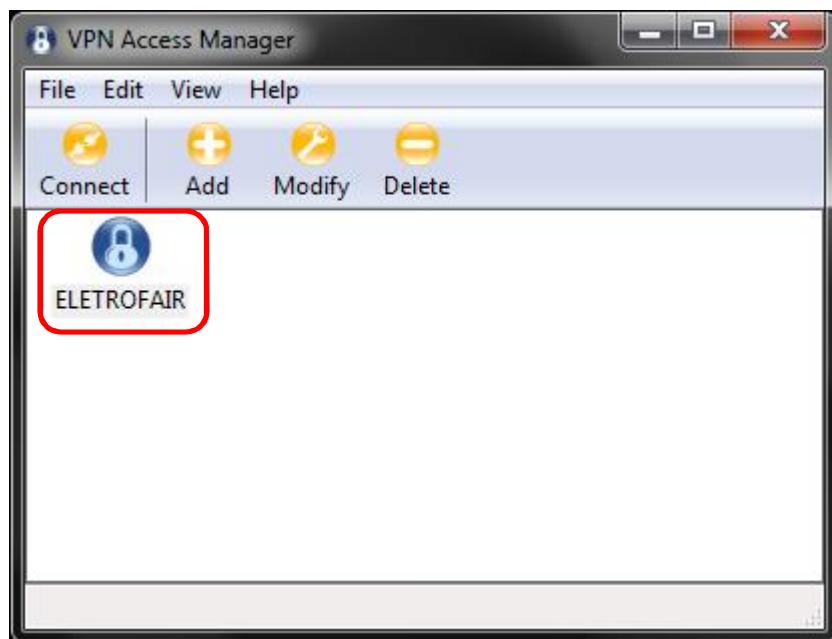
- a) Importar a configuração ao discador VPN Shrew Soft VPN



b) Buscar e importar o arquivo de configuração de VPN feito no portal

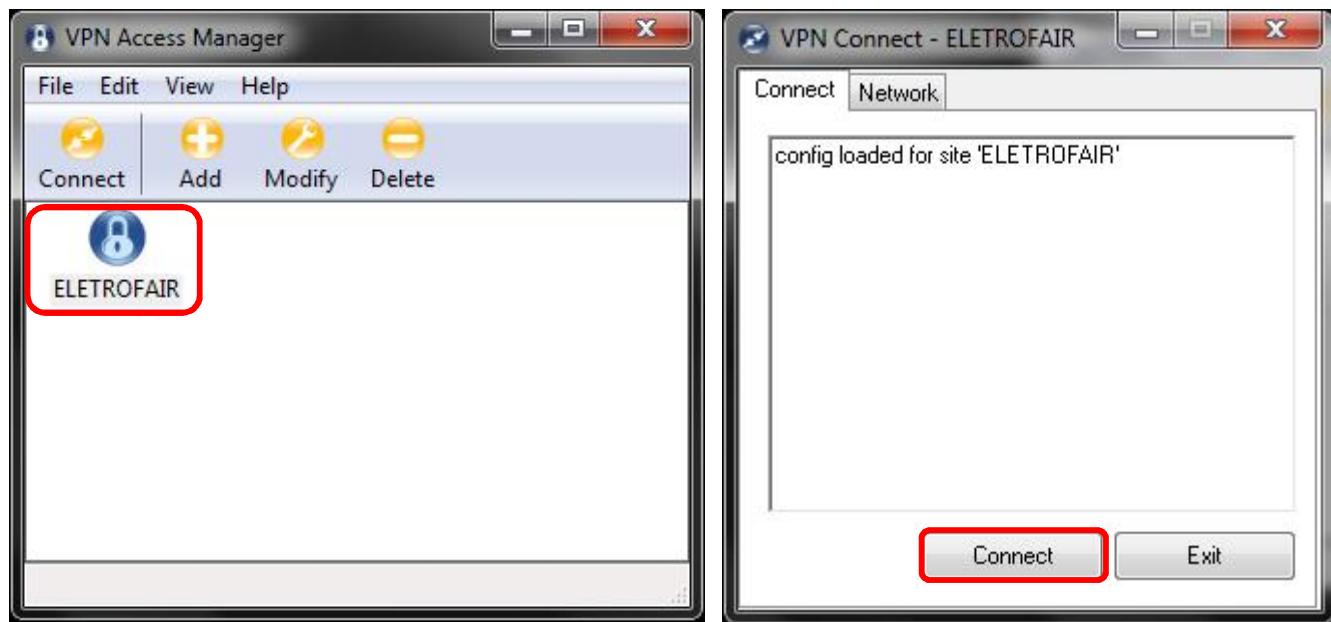


c) Renomeei a configuração de VPN de acordo sua preferência

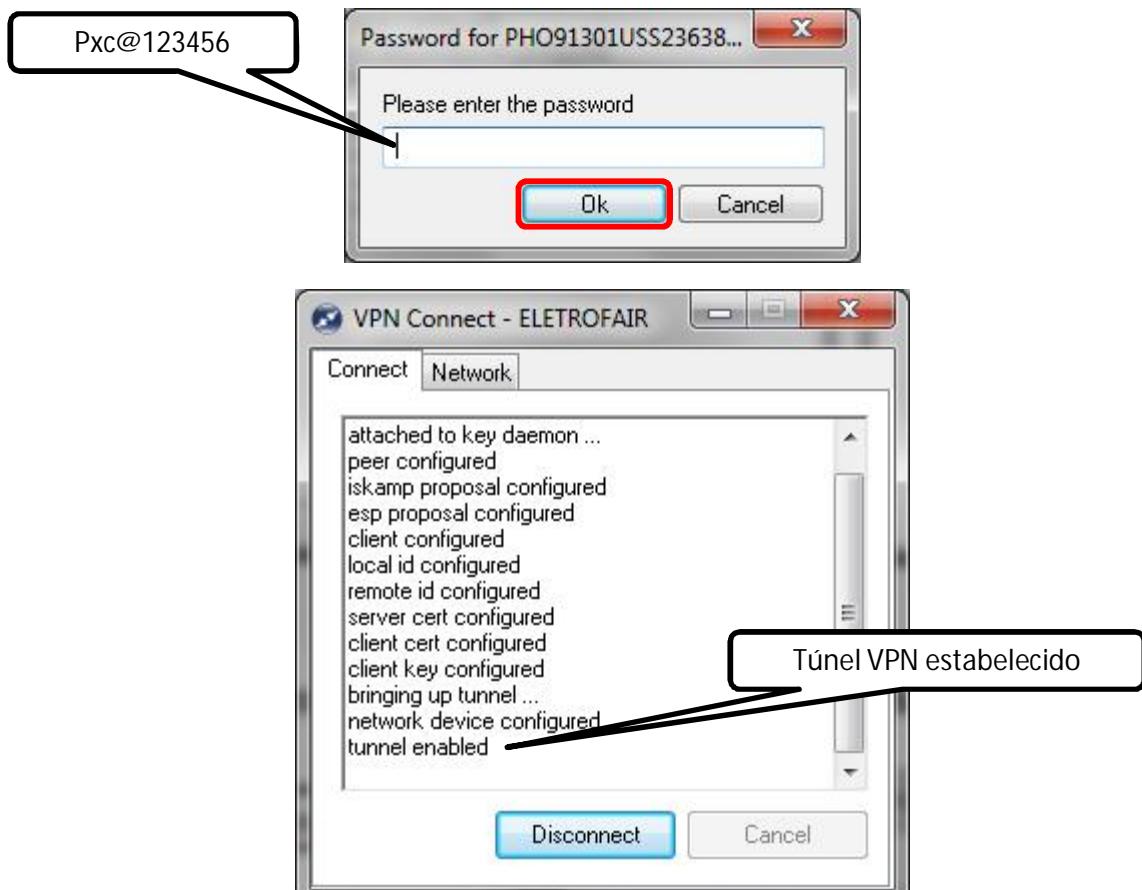


5. Conexão VPN com o portal MGUARD SECURE CLOUD

- a) Duplo clique na conexão configurada ELETROFAIR em seguida Connect



- b) Entre com a mesma senha configurada e em seguida OK



c) Conexão VPN ao porta MGUARD SECURE estabelecida com sucesso

mGuard secure cloud
Account: PHO91301US | User: phoenixcontactrs@gmail.com | Role: admin
Language: English | Contact | Help & Support | Log out
2.6.0

Service VPN tunnel online > No secure connection initiated > No secure remote access to service target (machine)

	Workstation	User	Status	VPN	Action
1	Eletrofair	phoenixcontactrs@gmail.com	not connected	online	
2	Iphone	No user	not connected	offline	

© 2011-2016 PHOENIX CONTACT Cyber Security | Data privacy | Legal Notice

6. Roteamento de VPN até o dispositivo TC CLOUD remoto

mGuard secure cloud
Account: PHO91301US | User: phoenixcontactrs@gmail.com | Role: admin
Language: English | Contact | Help & Support | Log out
2.6.0

Service VPN tunnel online > No secure connection initiated > No secure remote access to service target (machine)

Show operator/locations: All | D-9 | A-B | C-D | E-F | G-H | I-J | K-L | M-N | O-P | Q-R | S-T | U-V | W-X | Y-Z

	Service Target	SN	VPN	Action
1	PxC_BR	RS2000_3G	online	

© 2011-2016 PHOENIX CONTACT Cyber Security | Data privacy | Legal Notice

a) Conexão VPN entre usuário e MGUARD remoto estabelecida com sucesso

mGuard secure cloud
Account: PHO91301US | User: phoenixcontactrs@gmail.com | Role: admin
Language: English | Contact | Help & Support | Log out
2.6.0

Service VPN tunnel online > Secure connection initiated > PxC_BR / RS2000_3G

Show operator/locations: All | D-9 | A-B | C-D | E-F | G-H | I-J | K-L | M-N | O-P | Q-R | S-T | U-V | W-X | Y-Z

	Service Target	SN	VPN	Action
1	PxC_BR	RS2000_3G	online	

© 2011-2016 PHOENIX CONTACT Cyber Security | Data privacy | Legal Notice

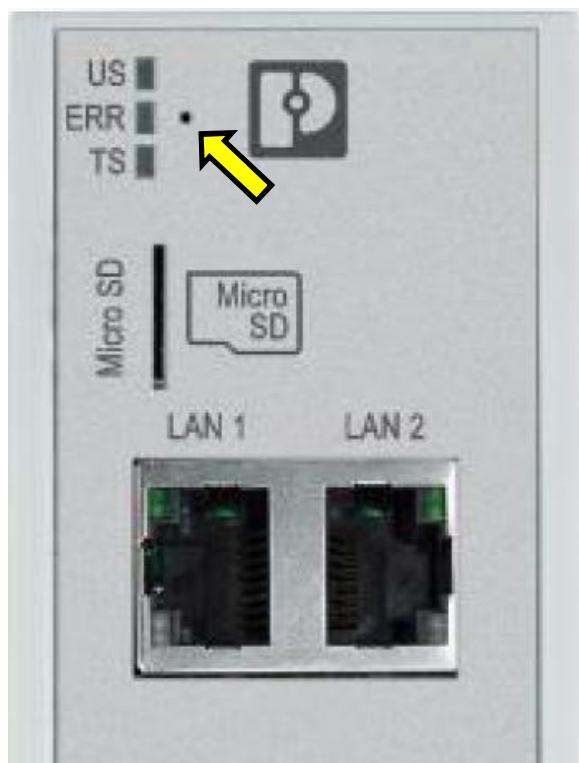
7. Teste de conexão de com os dispositivos remotos - Ping

- a) Ping (192.168.1.1) no porta LAN do TC CLOUD remoto.

- b) Ping (192.168.1.2) no CLP remoto conectado na porta LAN do TC CLOUD.

8. Procedimento de RESET de IP default de fábrica

1. Precione o botão de reset por 6 segundos;
2. Mantendo pressionado o reset, desconecte o cabo LAN;
3. Ainda mantendo pressionado, reconecte o cabo LAN;
4. Aguarde por mais 6 segundos até que os LEDs das portas LAN acendam;
5. O IP padrão restaurado é 192.168.0.1



Obrigado!