

# datasheet

## **mGuard** *secure cloud* public

Highly secure instant remote services



SECURE CLOUD QUICK START GUIDE – JULY 2017

CLOUD CLIENT CONFIGURATION

## OVERVIEW

The mGuard Secure Cloud offers secure, remote access worldwide in a simple to use format.

This quick start guide covers the basic configuration for one site

(Machine Connection) and one user (Technician Connection)

This is based on the entry level “BASIC EDITION” which allows one machine connection at a time with unlimited user and machine configurations. Further options are available just ask!

## CONTENTS

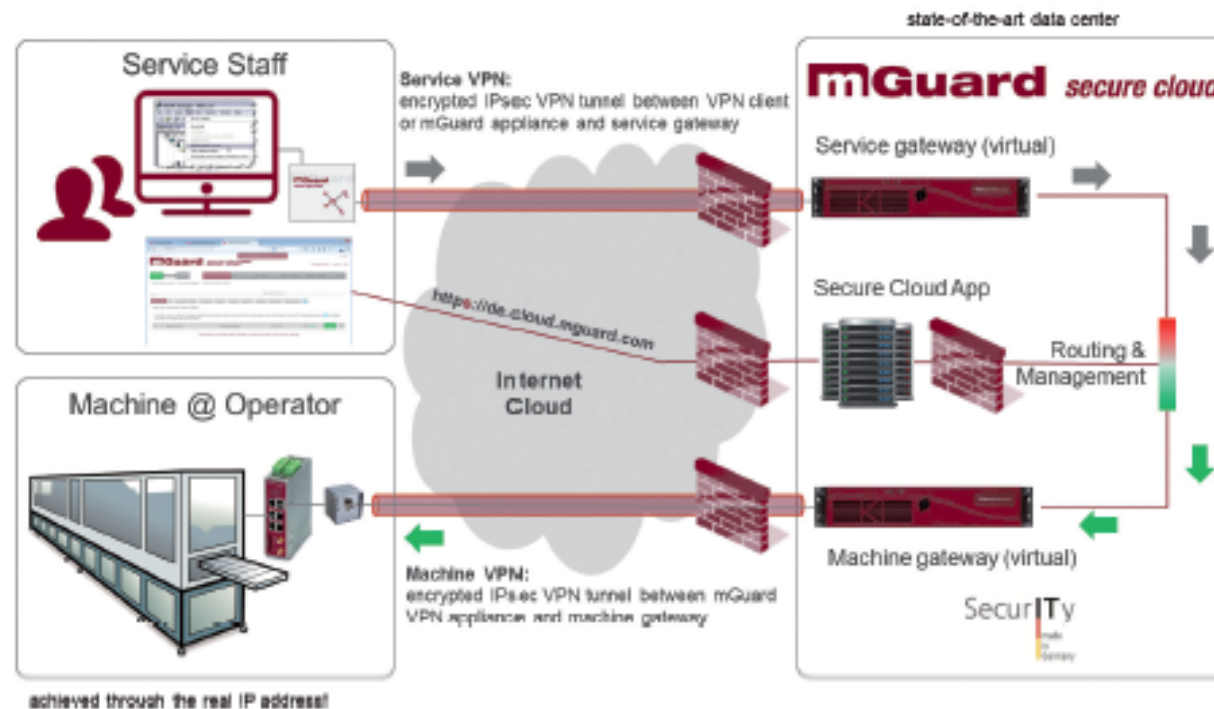
1. INTRODUCTION TO THE MGURD SECURE CLOUD – PAGE 3
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3. CREATING AN OPERATOR PROFILE (SERVICE WORKSTATION) – PAGES 9-23
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## SECURE CLOUD QUICK START GUIDE INTRO

The mGuard Secure Cloud is managed by Phoenix Contact Cyber Security based in Berlin.

The hardware is maintained by a third party hosting centre to ensure 24/7 /365 day reliability.

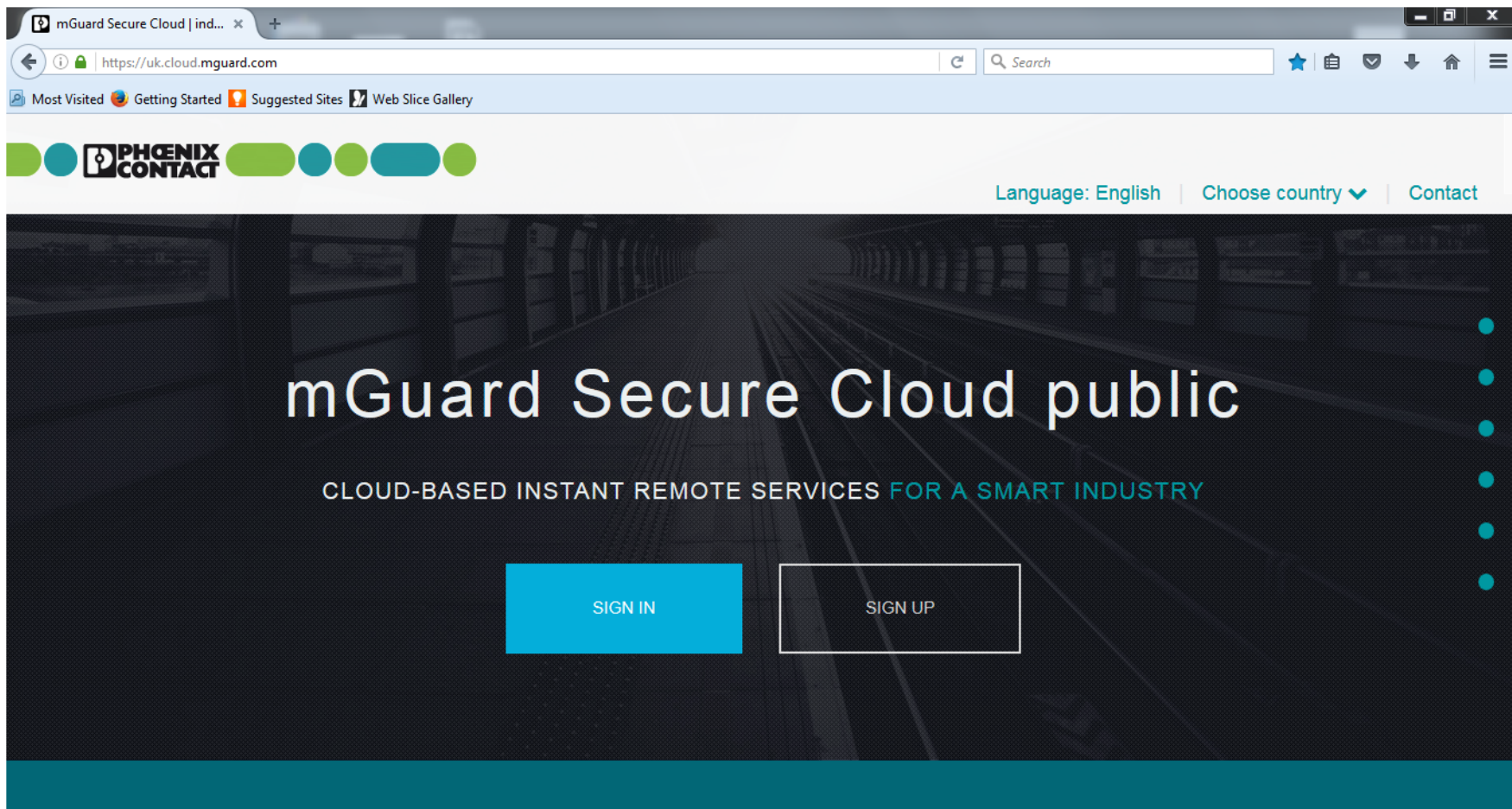
The diagram below shows the standard topology used for standard remote access.



## SECURE CLOUD QUICK START GUIDE - ACCOUNT REGISTRATION

The first step is to get registered on the cloud. Go to <https://uk.cloud.mguard.com>

Click on “SIGN UP” and fill in your company details etc. as prompted



## SECURE CLOUD QUICK START GUIDE - ACCOUNT REGISTRATION

REGISTRATION FORM

Company name: \*

Department: \*

Street, house number: \*

Zip code: \*

City: \*

State: \*

Germany | Deutschland ▼

Billing information (alternative address):

Valid e-mail address: \*

First name: \*

Last name: \*

Phone number: \*

Fax:

Password: \*

Repeat password: \*

How did you hear about us? \*

\* = mandatory field  
- passwords must be at least 8 characters long and should contain letters, numbers and special characters.

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*.

Note that 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 ▼

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*.

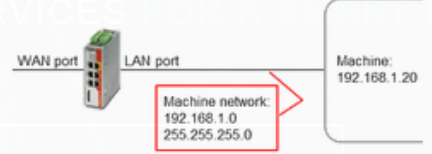
Note that the IP address of the network must be a private IP address, i.e. within the following subnets:  
10.0.0.0/8, 172.16.0.0/12, 192.168.0.0/16

IP address of the network: \*

192.168.1.0

Netmask: \*

255.255.255.0 ▼



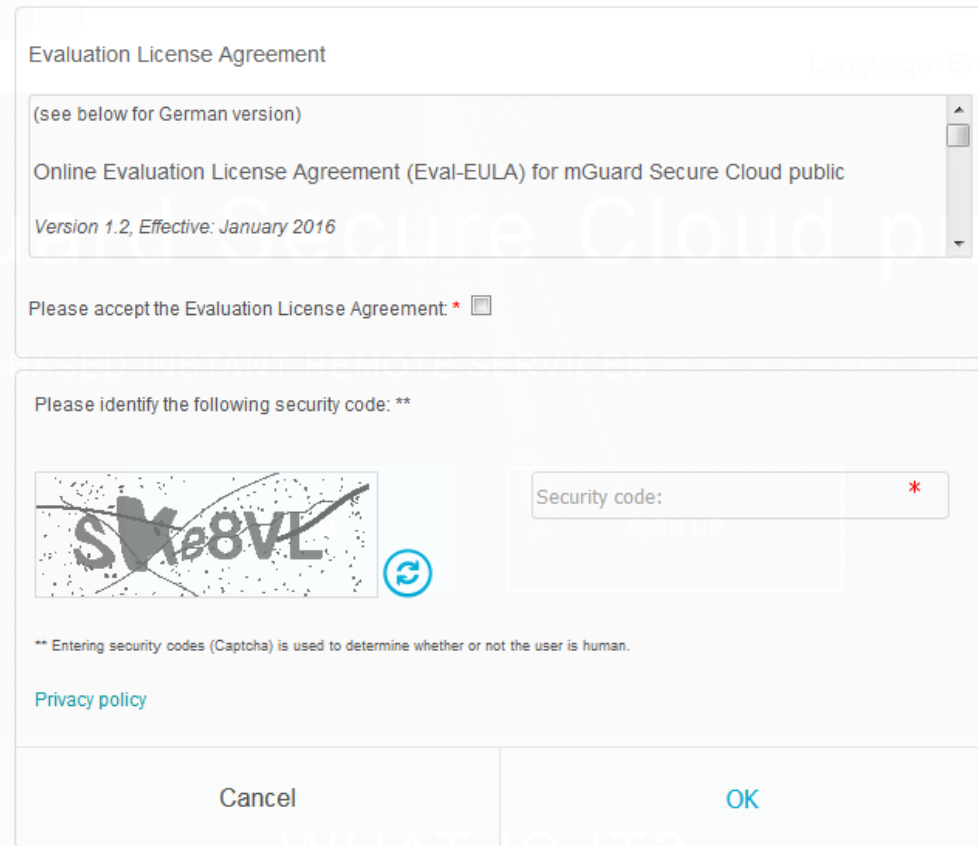
### IMPORTANT

**You will need to specify the network you will use at your target machine/s. This is essential for the Cloud to produce the correct configurations for your mGuard device and technician connections.**



## SECURE CLOUD QUICK START GUIDE - ACCOUNT REGISTRATION

You will need to accept the evaluation license agreement, enter the security code and then "OK"



The screenshot shows a web form for account registration. The top section is titled "Evaluation License Agreement" and includes a language selector set to "English". Below this is a scrollable area containing the "Online Evaluation License Agreement (Eval-EULA) for mGuard Secure Cloud public", version 1.2, effective January 2016. A checkbox labeled "Please accept the Evaluation License Agreement" is present. The bottom section is titled "Please identify the following security code: \*\*" and features a CAPTCHA image showing the code "SVe8VL" with a refresh button. A text input field for the "Security code" is also shown. At the bottom are "Cancel" and "OK" buttons. A small note at the bottom left states: "\*\* Entering security codes (Captoha) is used to determine whether or not the user is human." A link for "Privacy policy" is also visible.

Your registration is complete and in a short time you will receive a welcome e-mail containing several attachments:

1. The secure cloud user guide
2. User license agreement form
3. Price list for enhanced services

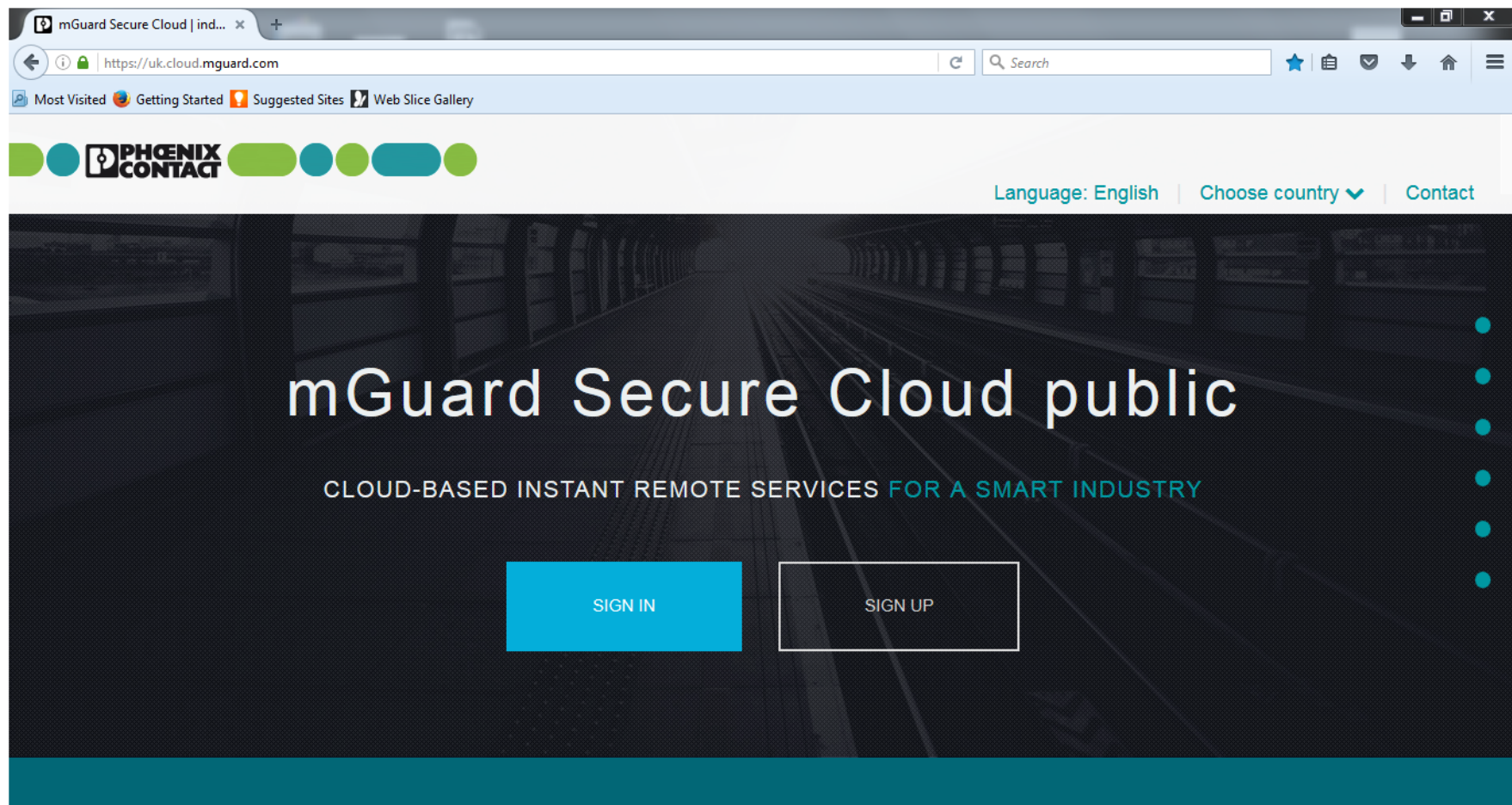
**IMPORTANT** – You must sign and return the license agreement form as instructed if you wish to continue using the cloud after the 30 day trial period.

Otherwise your account will be frozen after the 30 days expires.

There are no financial implications when signing this form.  
It is purely agreeing to the terms of use.

## SECURE CLOUD QUICK START GUIDE

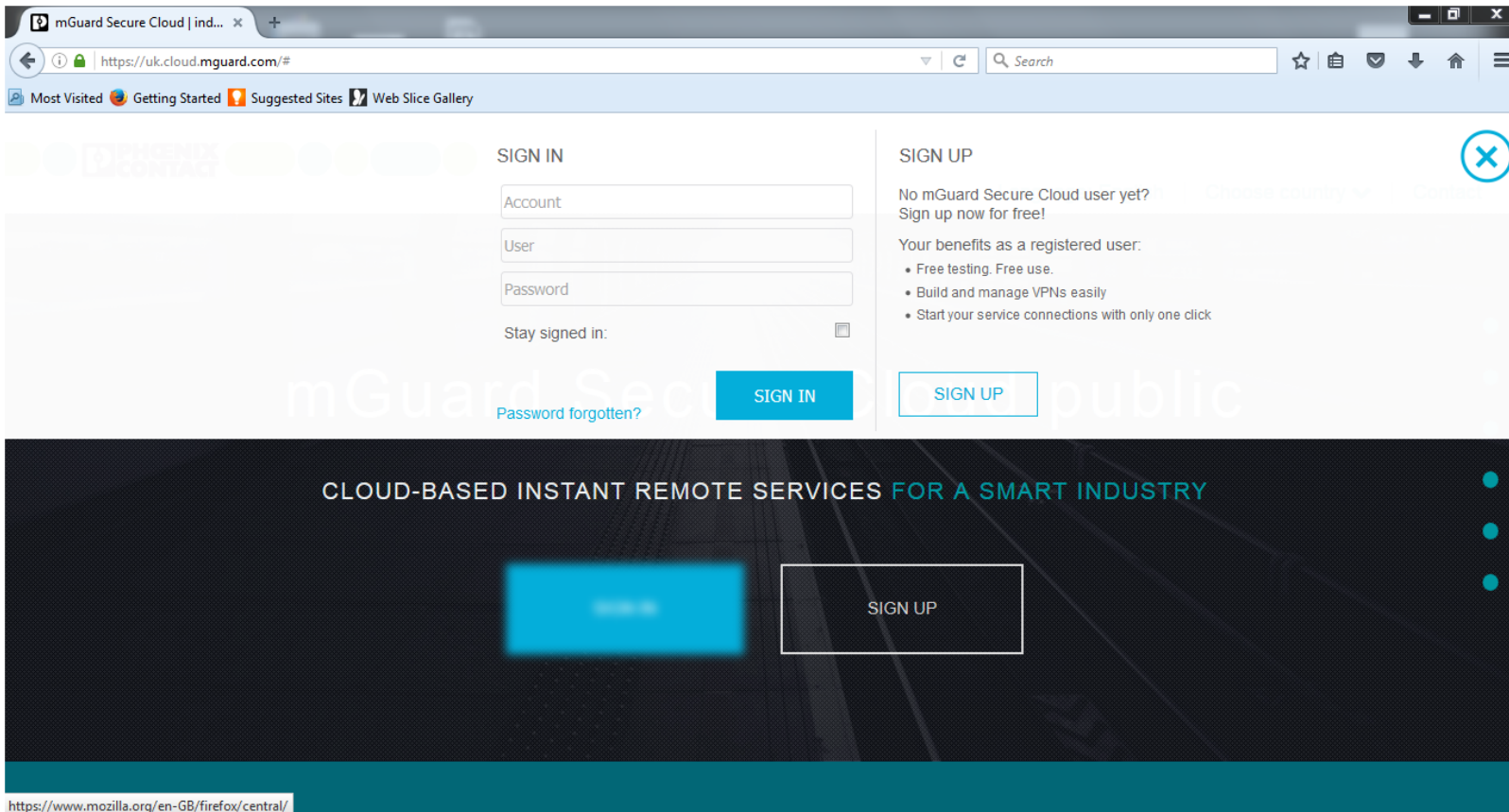
Now you are registered “SIGN IN”





## SECURE CLOUD QUICK START GUIDE

Use the account number provided in your welcome email and the user and password you used to create your account.



mGuard Secure Cloud | ind... x

https://uk.cloud.mguard.com/#

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**SIGN IN**

Account

User

Password

Stay signed in: ☐

[Password forgotten?](#)

**SIGN IN**

**SIGN UP**

No mGuard Secure Cloud user yet? [Choose country](#) [Contact](#)

Sign up now for free!

Your benefits as a registered user:

- Free testing. Free use.
- Build and manage VPNs easily
- Start your service connections with only one click

**SIGN UP**

**CLOUD-BASED INSTANT REMOTE SERVICES FOR A SMART INDUSTRY**

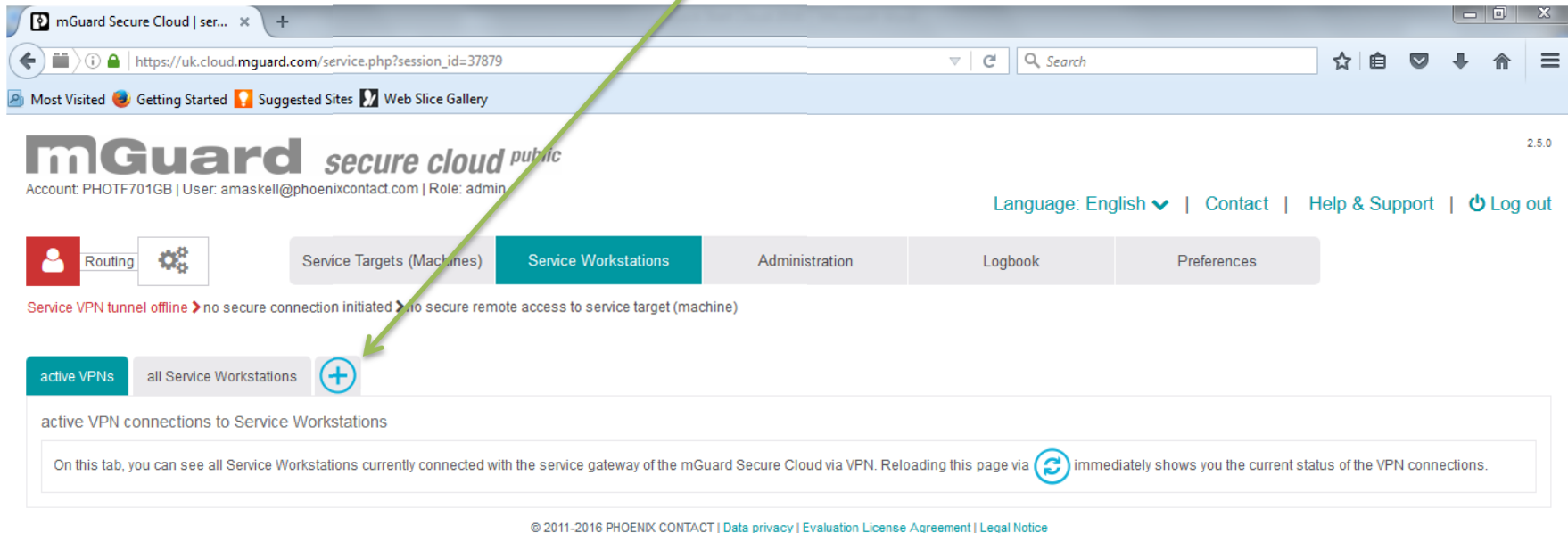
**SIGN IN**

**SIGN UP**

https://www.mozilla.org/en-GB/firefox/central/

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION)

Select Service Workstations and click the +



mGuard secure cloud public 2.5.0

Account: PHOTF701GB | User: amaskell@phoenixcontact.com | Role: admin


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

Routing Service Targets (Machines) **Service Workstations** Administration Logbook Preferences

Service VPN tunnel offline - no secure connection initiated - no secure remote access to service target (machine)

active VPNs all Service Workstations +

active VPN connections to Service Workstations

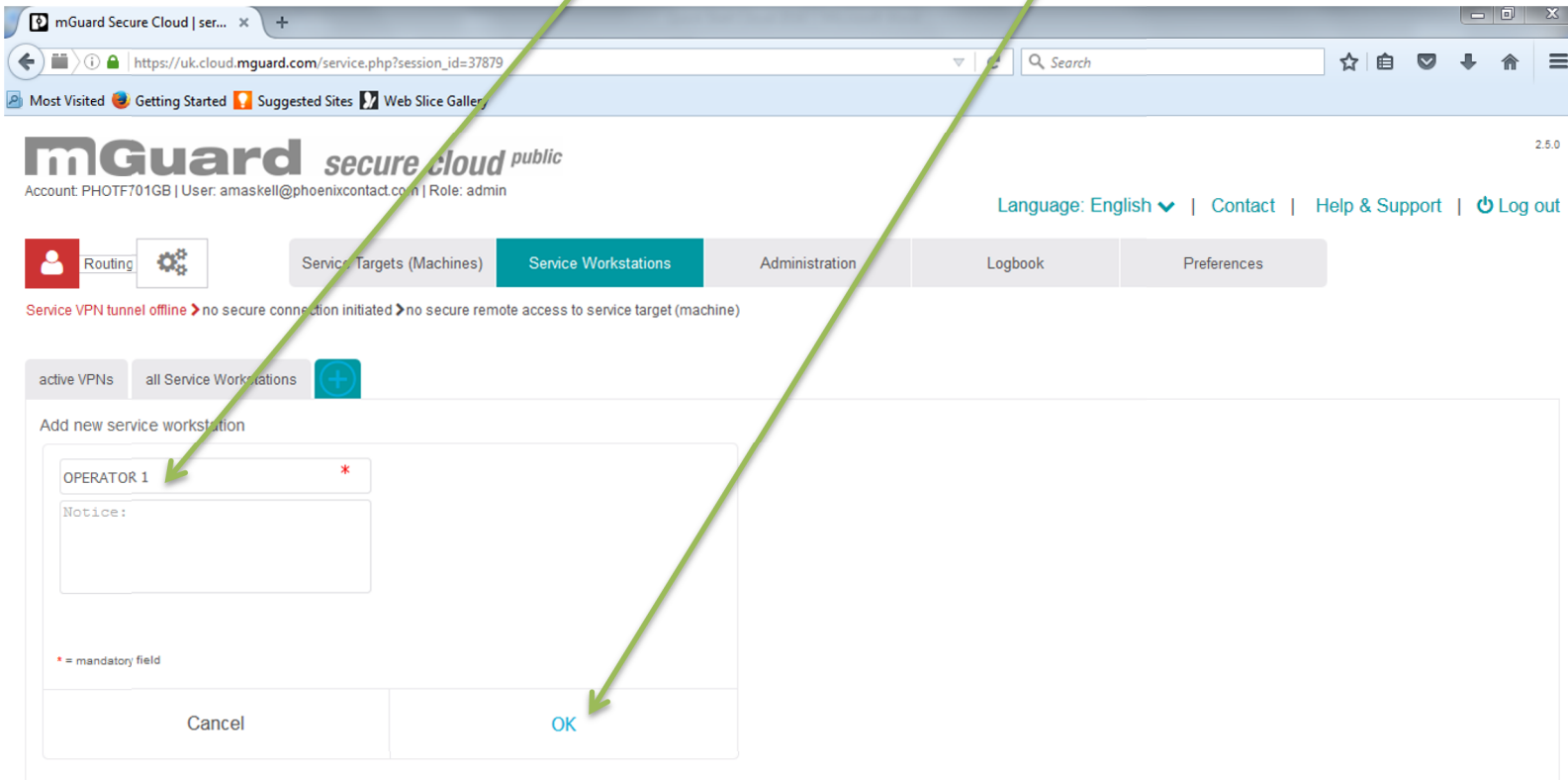
On this tab, you can see all Service Workstations currently connected with the service gateway of the mGuard Secure Cloud via VPN. Reloading this page via  immediately shows you the current status of the VPN connections.

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The Service Workstation is necessary to create a secure VPN between the remote user and the cloud server to enable routing through to your chosen site configuration. Only one profile per user is required!!!!

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION)

Add the new operator name and press OK



mGuard Secure Cloud | ser... x +

https://uk.cloud.mguard.com/service.php?session\_id=37879

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mGuard *secure cloud* public 2.5.0

Account: PHOTF701GB | User: amaskell@phoenixcontact.com | Role: admin

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

Routing Service Targets (Machines) Service Workstations Administration Logbook Preferences

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

active VPNs all Service Workstations

Add new service workstation

OPERATOR 1 \*

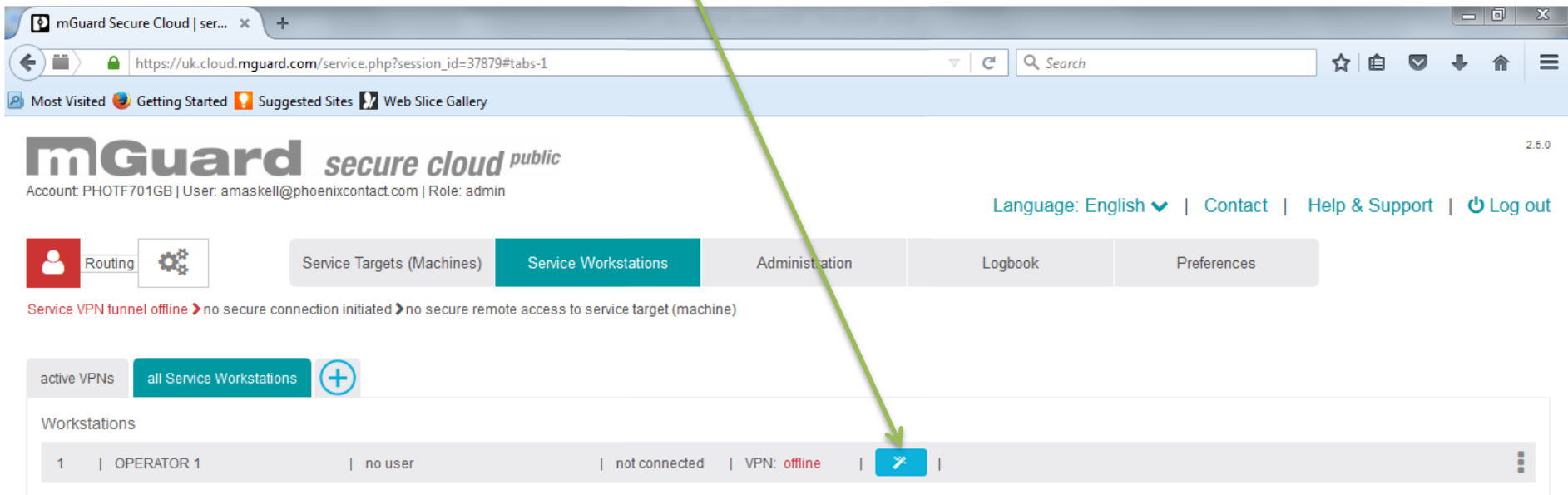
Notice:

\* = mandatory field

Cancel OK

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION)

Click on the Wizard symbol to create your operator profile



mGuard secure cloud public 2.5.0


Account: PHOTF701GB | User: amaskell@phoenixcontact.com | Role: admin

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

Routing Service Targets (Machines) **Service Workstations** Administration Logbook Preferences

Service VPN tunnel offline ➤ no secure connection initiated ➤ no secure remote access to service target (machine)

active VPNs all Service Workstations +

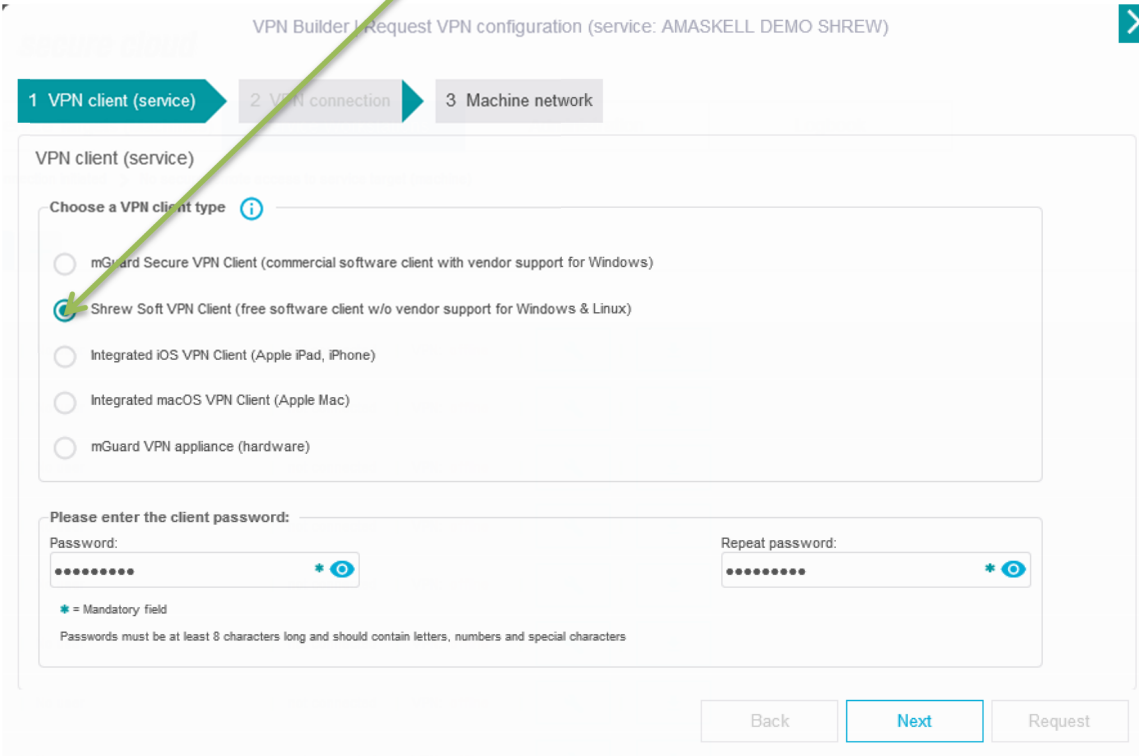
Workstations					
1	OPERATOR 1	no user	not connected	VPN: offline	

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION)

## (SHREWSOFT VPN CLIENT)

Select the VPN client you wish to use – In this case we will select shrewsoft

Create a password and then click next



VPN Builder | Request VPN configuration (service: AMASKELL DEMO SHREW)

1 VPN client (service) 2 VPN connection 3 Machine network

VPN client (service)

Choose a VPN client type ⓘ

- ☐ mGuard Secure VPN Client (commercial software client with vendor support for Windows)
- ☒ Shrew Soft VPN Client (free software client w/o vendor support for Windows & Linux)
- ☐ Integrated iOS VPN Client (Apple iPad, iPhone)
- ☐ Integrated macOS VPN Client (Apple Mac)
- ☐ mGuard VPN appliance (hardware)

Please enter the client password:

Password:  \* ⓘ

Repeat password:  \* ⓘ

\* = Mandatory field

Passwords must be at least 8 characters long and should contain letters, numbers and special characters

Back Next Request

SECURE CLOUD

QUICK START GUIDE –

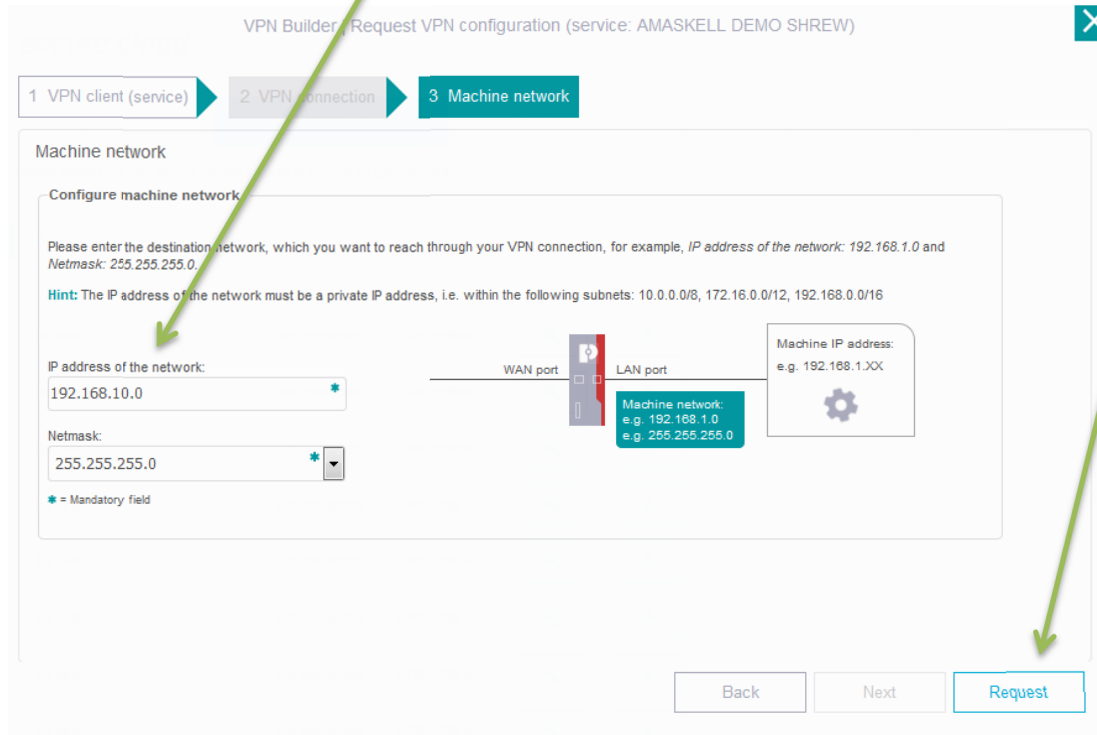
Creating an operator profile (SERVICE WORKSTATION)

(SHREWSOFT VPN CLIENT)



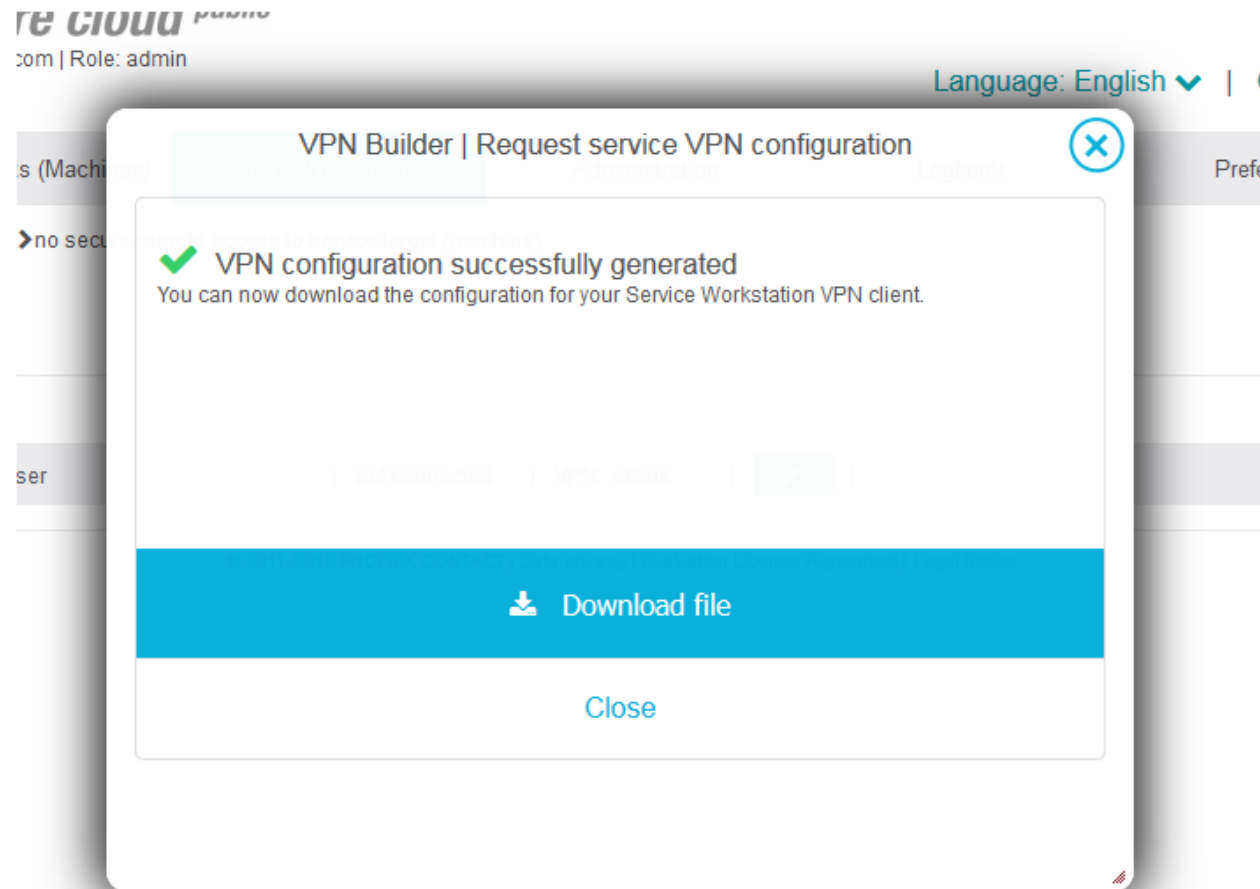
Select the IP address of the network you want to reach

This is the IP address range you selected when you created the account – Then click REQUEST



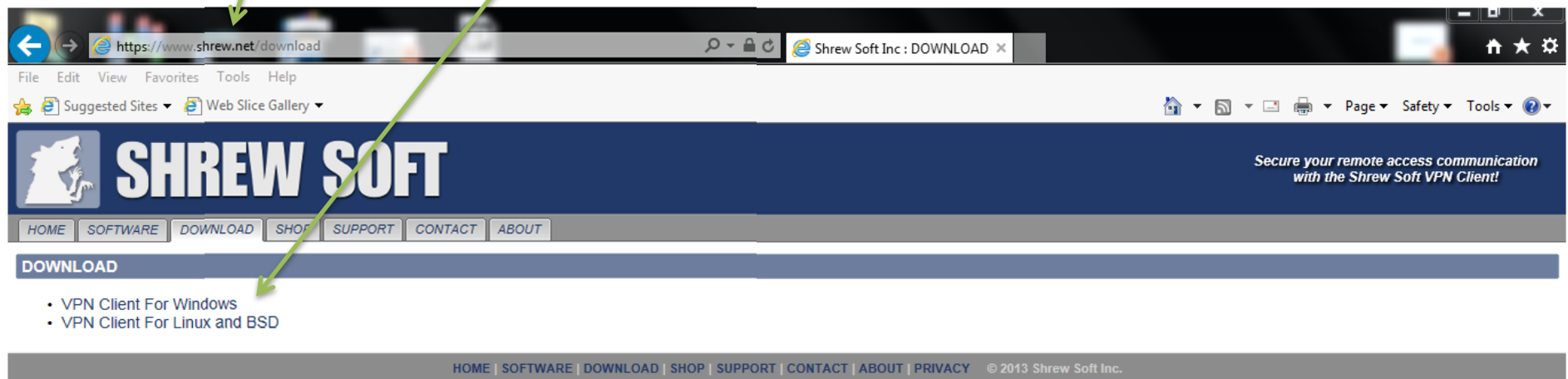
SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION)  
(SHREWSOFT VPN CLIENT)

Your user profile has been created – Download this to your PC ready to import to the shrewsoft VPN Client

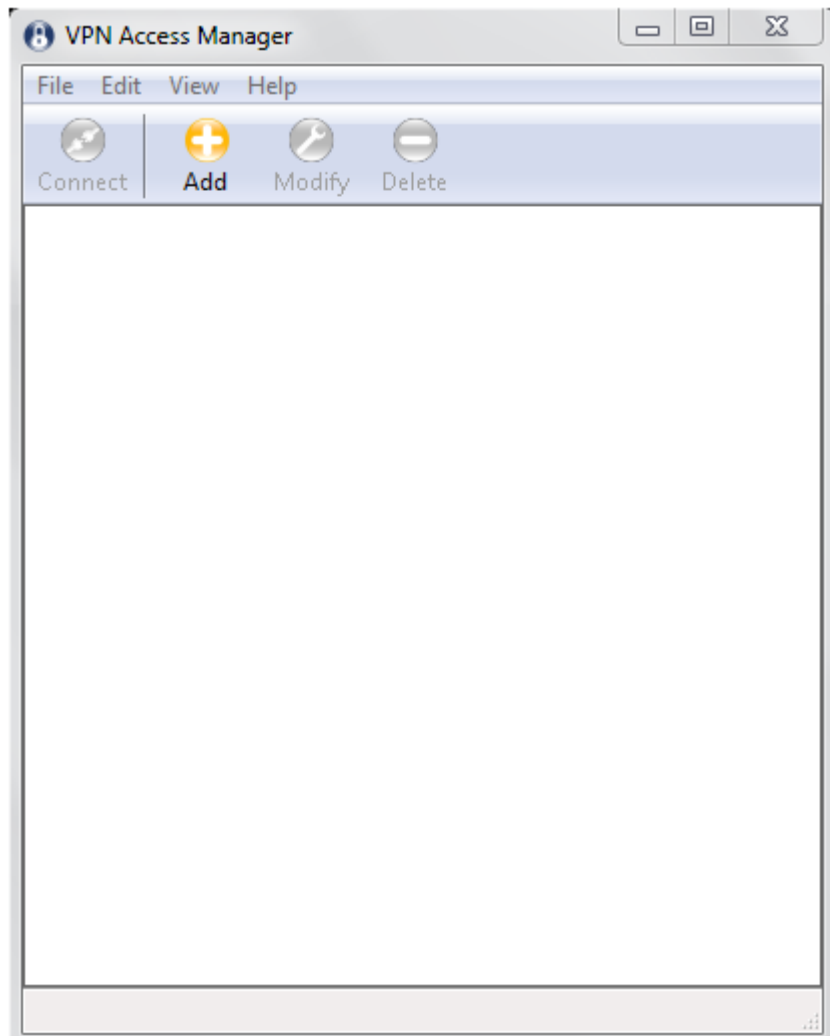


## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION) (SHREWSOFT VPN CLIENT)

Go to the shrewsoft website and download the latest shrewsoft VPN client for your OS  
and install.



## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION) (SHREWSOFT VPN CLIENT)

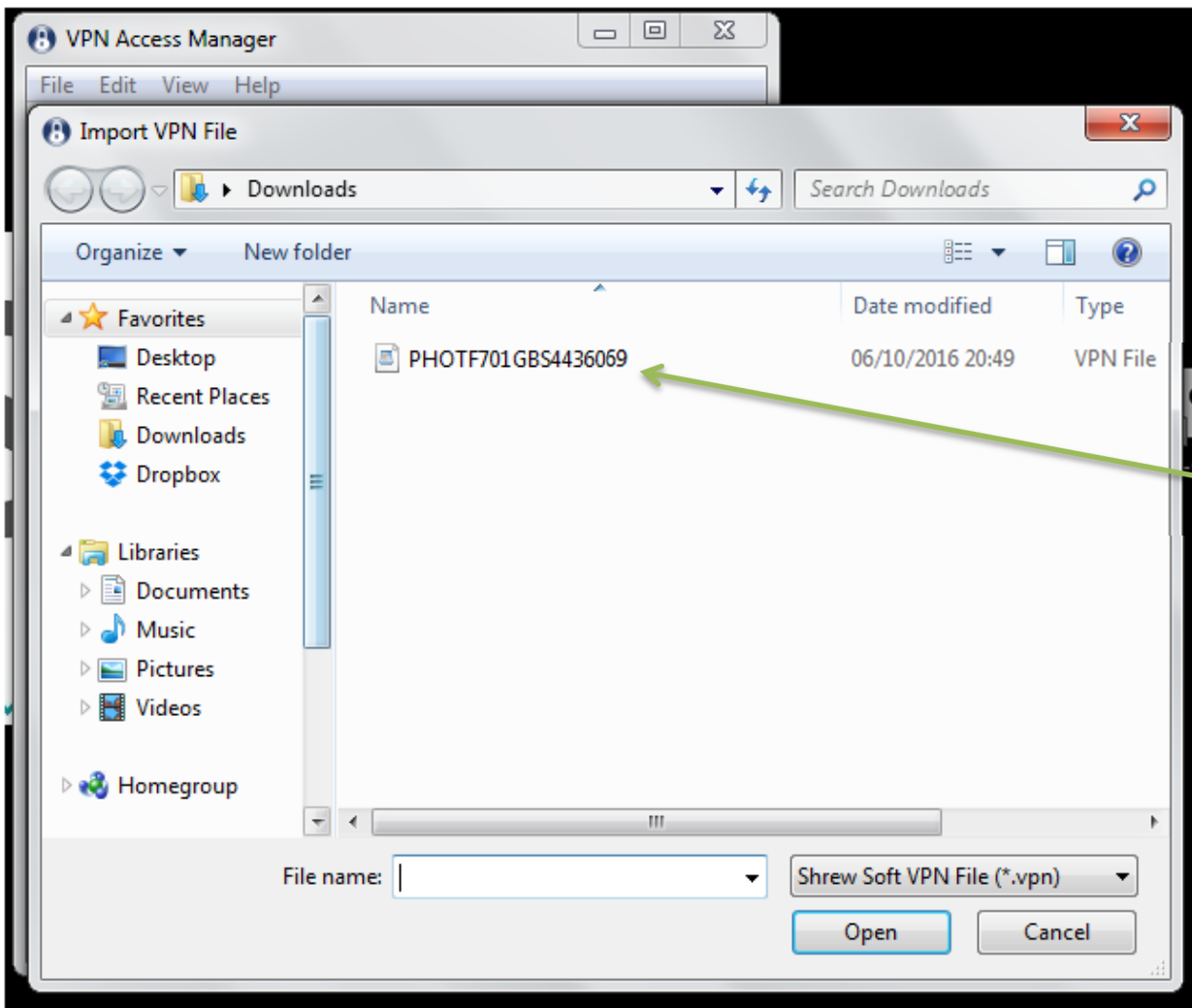


Once installed open the shrewsoft VPN client.

Click on “FILE” and then “IMPORT”

Find the client configuration you created and downloaded on  
page 13.

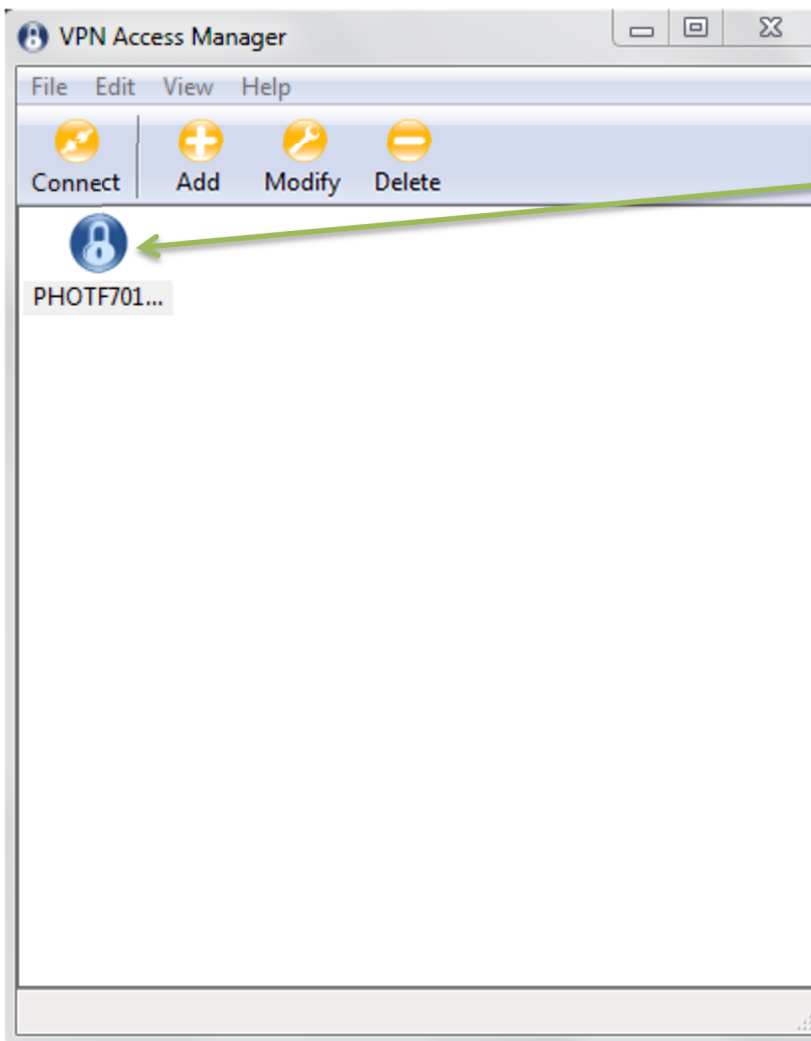
## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION) (SHREWSOFT VPN CLIENT)




"IMPORT" this file.

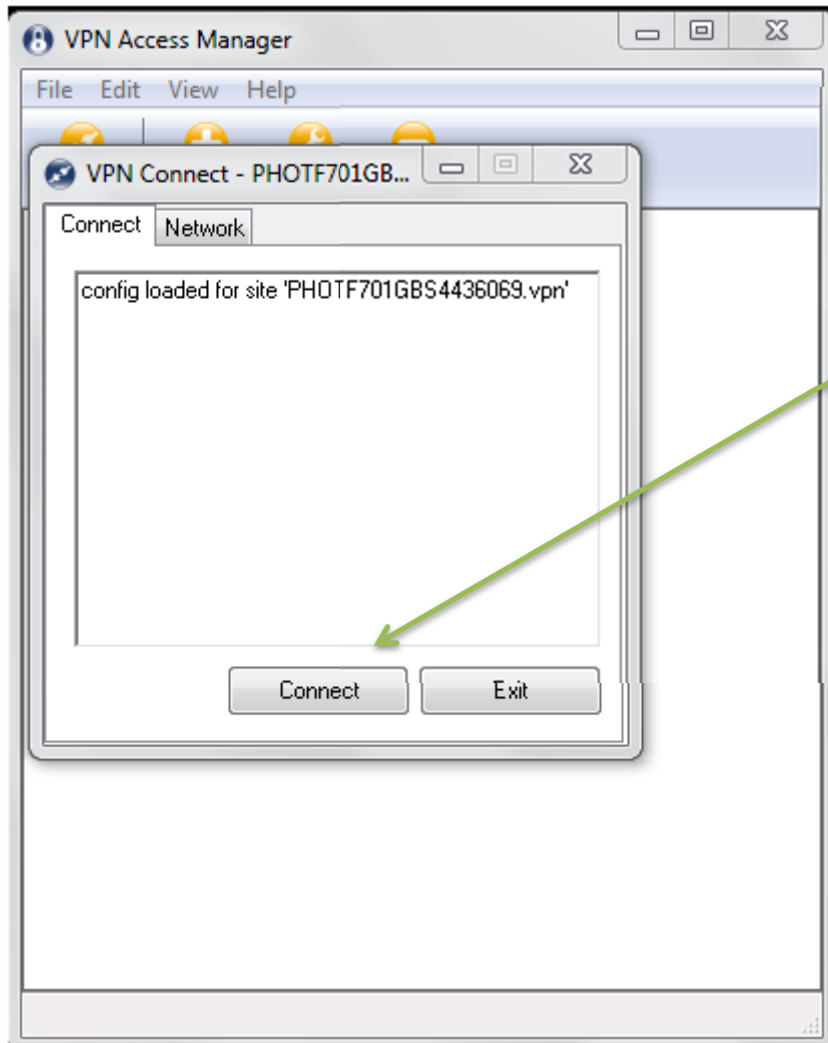


**SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION)**  
**(SHREWSOFT VPN CLIENT)**



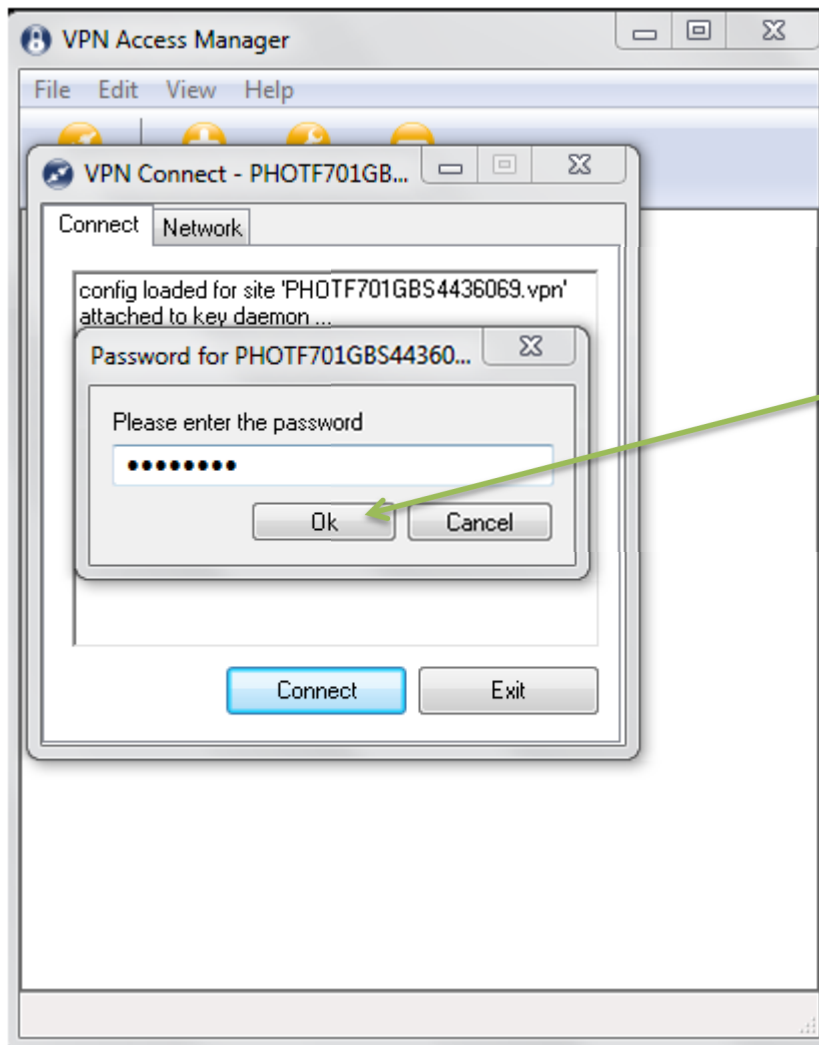
Now click on  to initiate the VPN connection to the CLOUD server. This creates a secure VPN from your PC to the CLOUD Server.

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION) (SHREWSOFT VPN CLIENT)



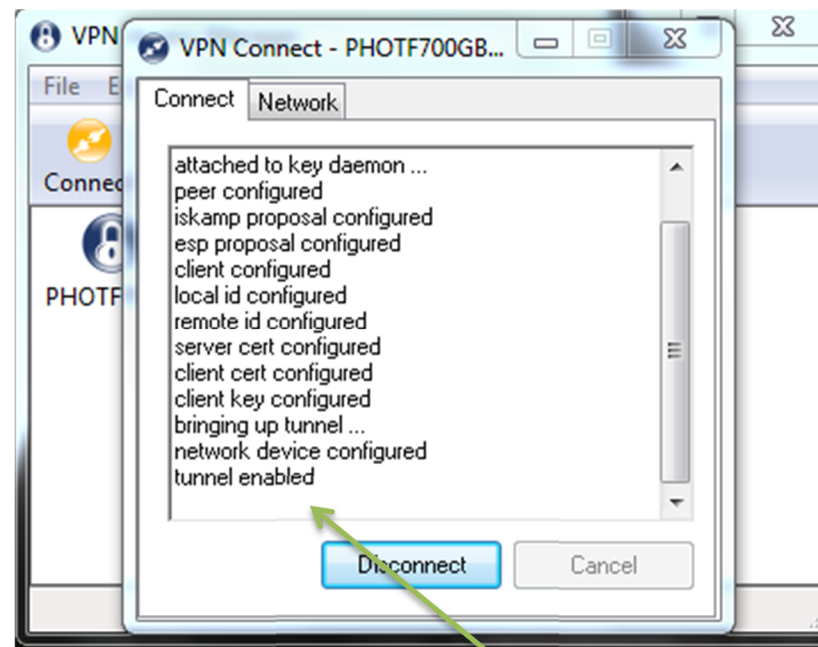
Click "Connect"

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION) (SHREWSOFT VPN CLIENT)



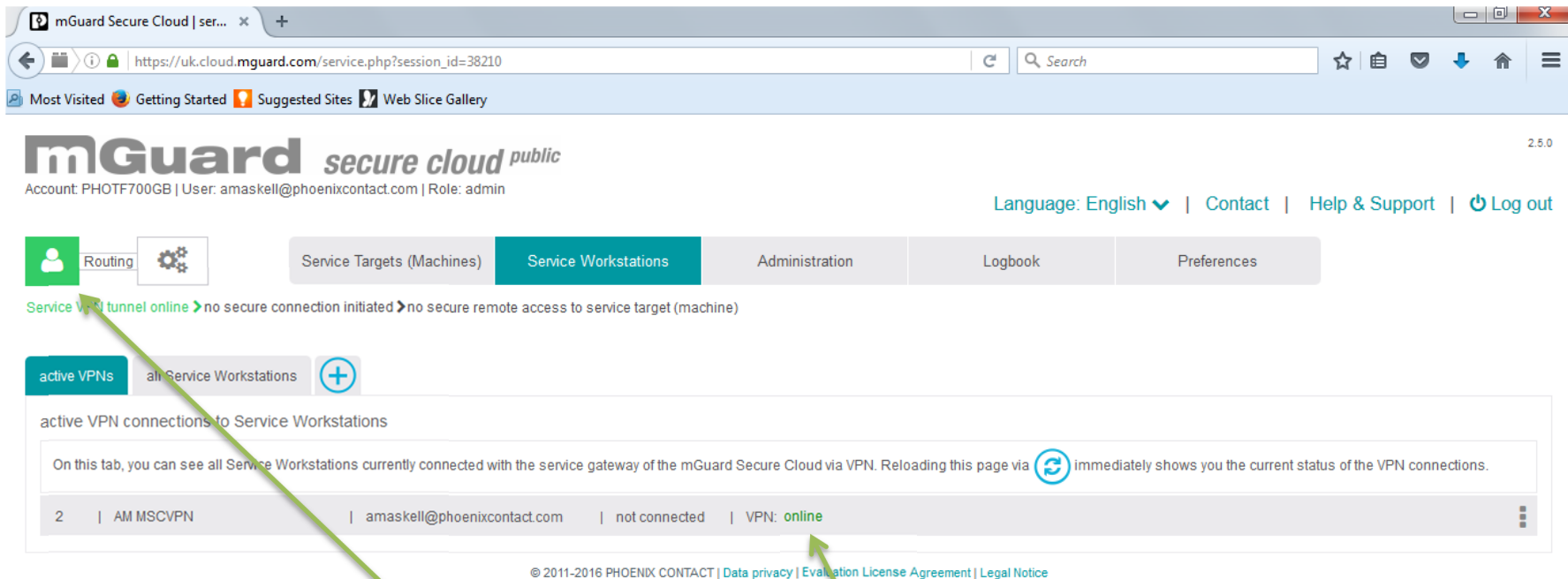
You will be prompted for your password. Enter your password  
and click on "OK"

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION) (SHREWSOFT VPN CLIENT)



You will see as above “tunnel enabled”

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE WORKSTATION) (SHREWSOFT VPN CLIENT)



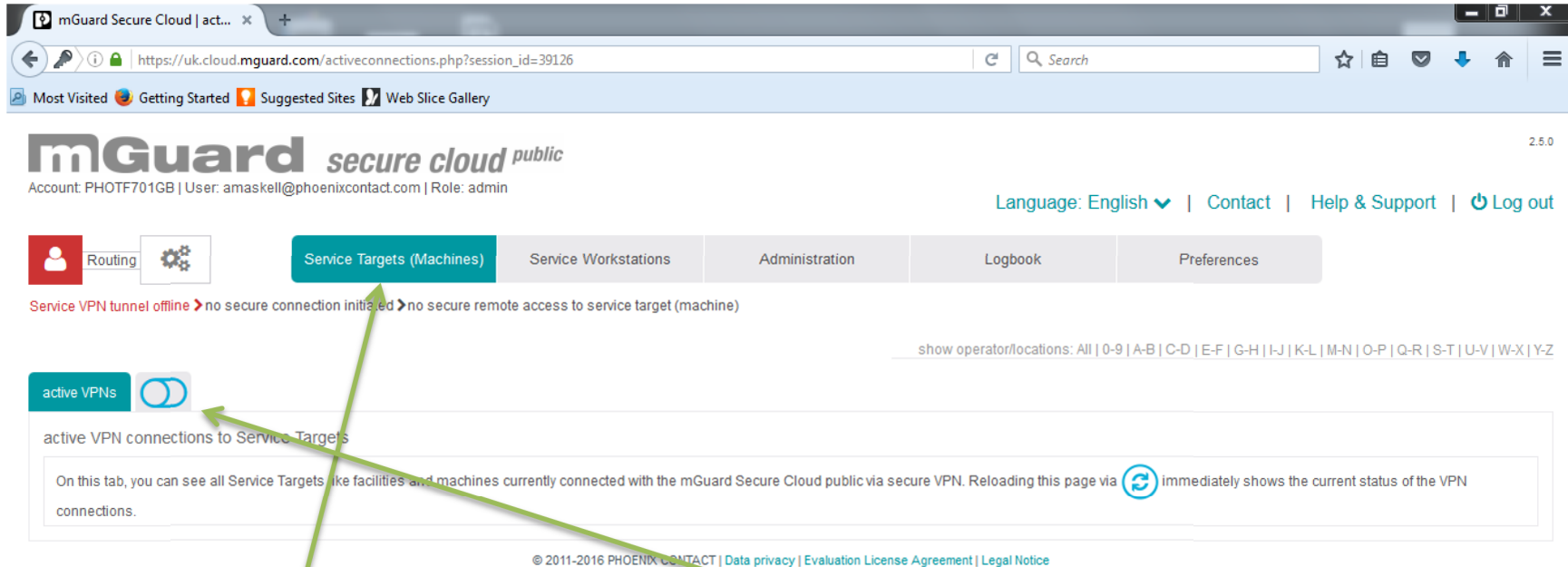
The screenshot shows the mGuard Secure Cloud public interface. The user is logged in as 'amaskell@phoenixcontact.com' with the role of 'admin'. The 'Service Workstations' tab is selected, showing a list of active VPN connections. A green arrow points to the 'Service Workstations' tab, and another green arrow points to the 'VPN: online' status in the table.

id	name	user	status	vpn
2	AM MSCVPN	amaskell@phoenixcontact.com	not connected	VPN: online

You have now connected to the CLOUD from your PC. You will see the icon turn green to indicate the connection and the connections that are active listed below.

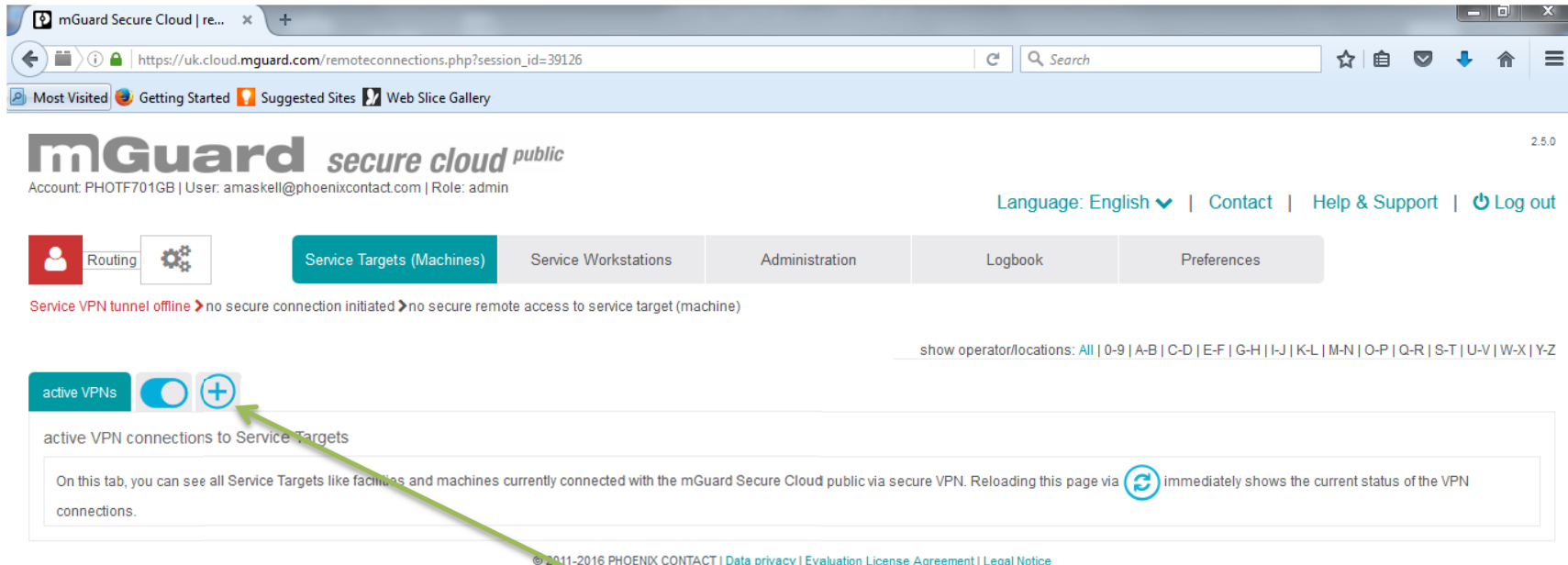


## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE TARGETS/MACHINES) ( CLOUD CLIENT configuration)



Click on the Service Target (MACHINES) tab and then the slider below

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE TARGETS/MACHINES) (CLOUD CLIENT configuration)



mGuard *secure cloud* public 2.5.0

Account: PHOTF701GB | User: amaskell@phoenixcontact.com | Role: admin

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


Routing Service Targets (Machines) Service Workstations Administration Logbook Preferences

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

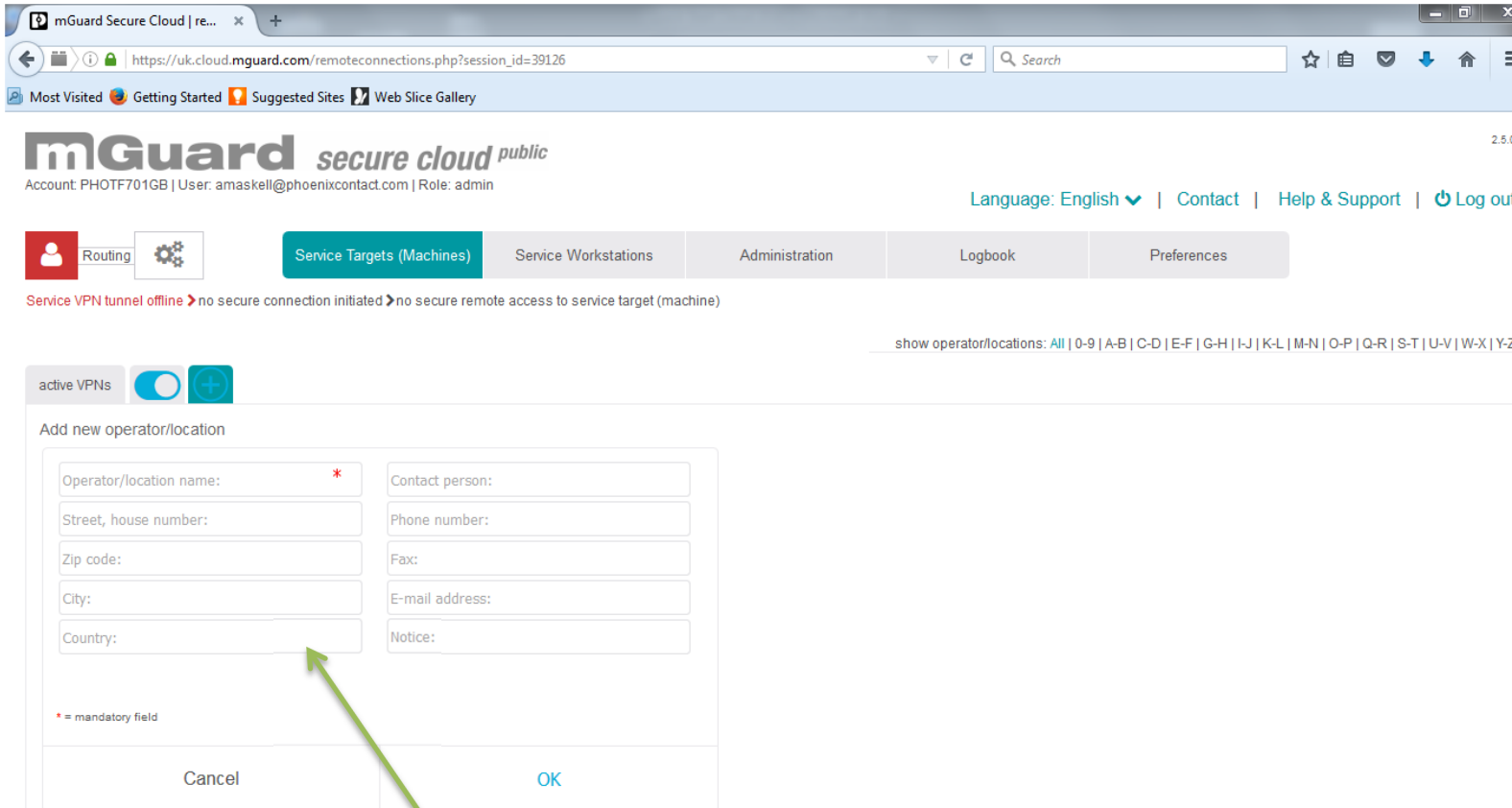
active VPN connections to Service Targets

On this tab, you can see all Service Targets like facilities and machines currently connected with the mGuard Secure Cloud public via secure VPN. Reloading this page via  immediately shows the current status of the VPN connections.

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Click on the add configuration icon

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE TARGETS/MACHINES) ( CLOUD CLIENT configuration)



mGuard Secure Cloud | re... x +

https://uk.cloud.mguard.com/remoteconnections.php?session\_id=39126

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**mGuard** *secure cloud* public 2.5.0

Account: PHOTF701GB | User: amaskell@phoenixcontact.com | Role: admin

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

Routing Service Targets (Machines) Service Workstations Administration Logbook Preferences

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

Add new operator/location

Operator/location name: \* Contact person:

Street, house number: Phone number:

Zip code: Fax:

City: E-mail address:

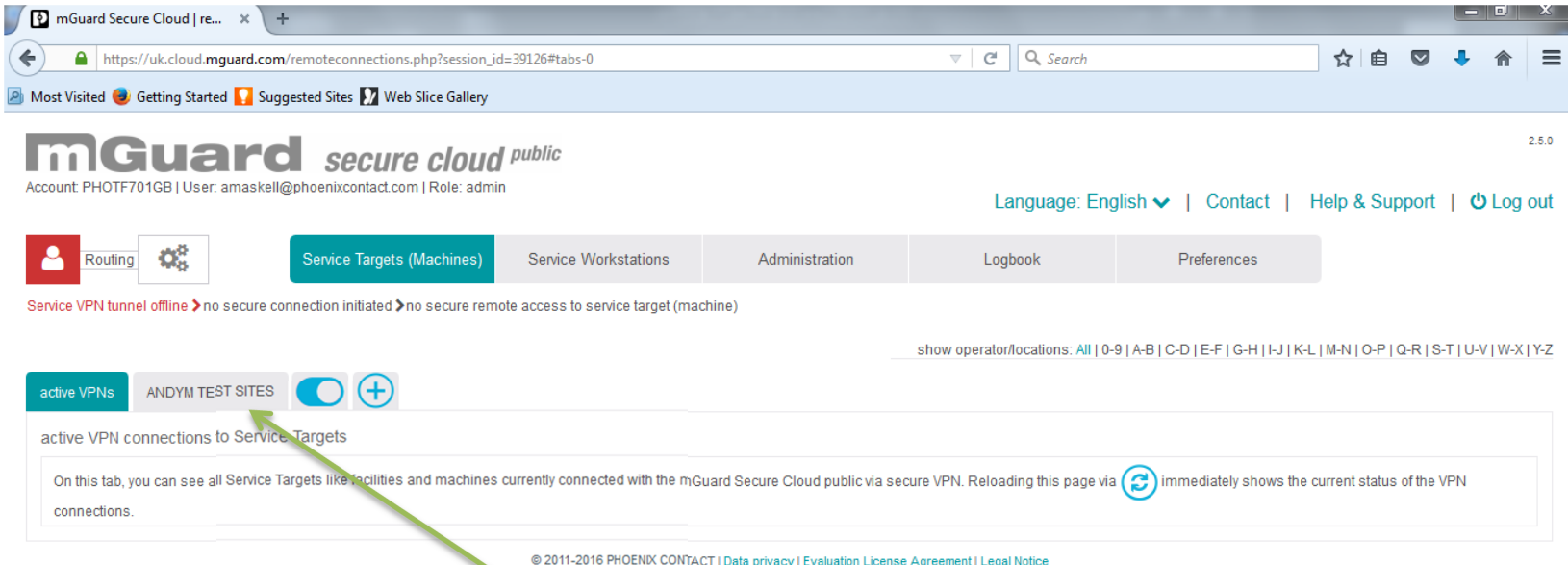
Country: Notice:

\* = mandatory field

Cancel OK

Fill in your OPERATOR details as required. This creates the user profile/location for machine connections

## SECURE CLOUD QUICK START GUIDE – Creating an operator profile (SERVICE TARGETS/MACHINES) (CLOUD CLIENT configuration)



mGuard secure cloud public 2.5.0

Account: PHOTF701GB | User: amaskell@phoenixcontact.com | Role: admin

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

Routing Service Targets (Machines) Service Workstations Administration Logbook Preferences

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 ANDYM TEST SITES

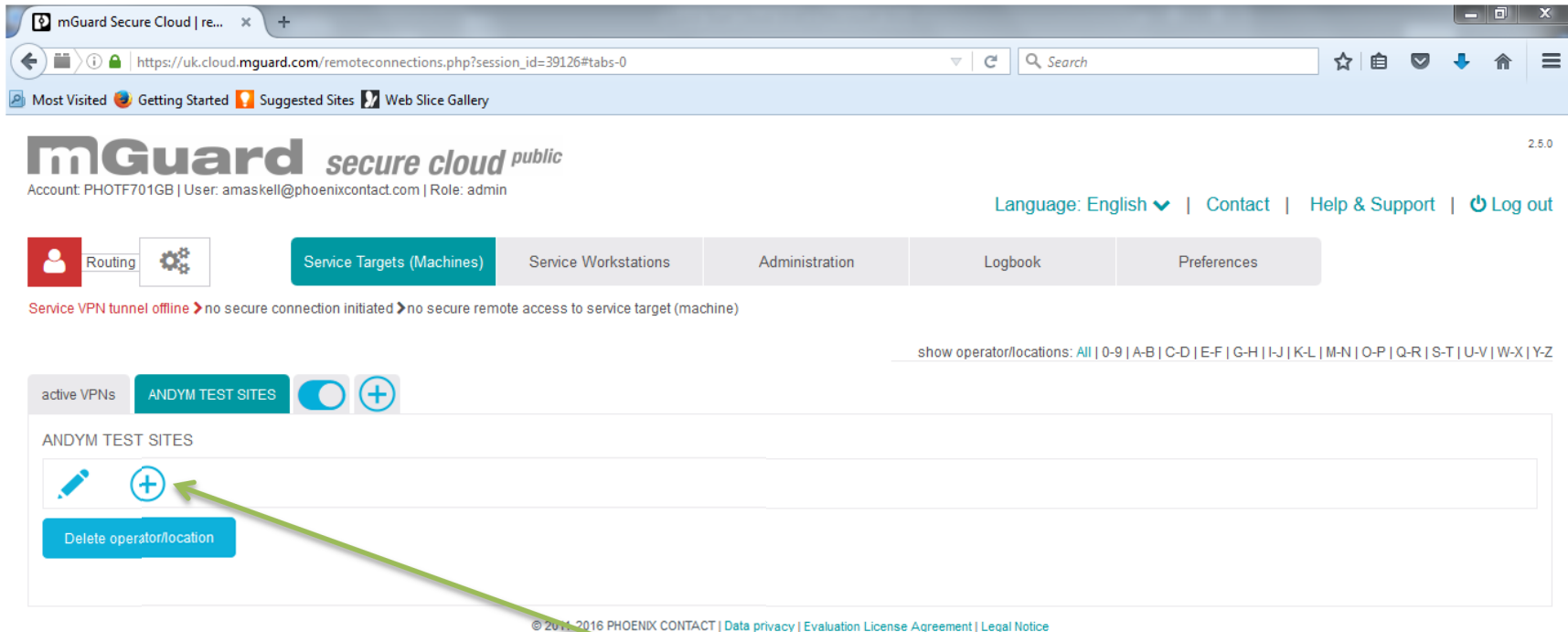
active VPN connections to Service Targets

On this tab, you can see all Service Targets like facilities and machines currently connected with the mGuard Secure Cloud public via secure VPN. Reloading this page via immediately shows the current status of the VPN connections.

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Now the user profile has been created. Click on the tab and begin to create your machine connection.

## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)

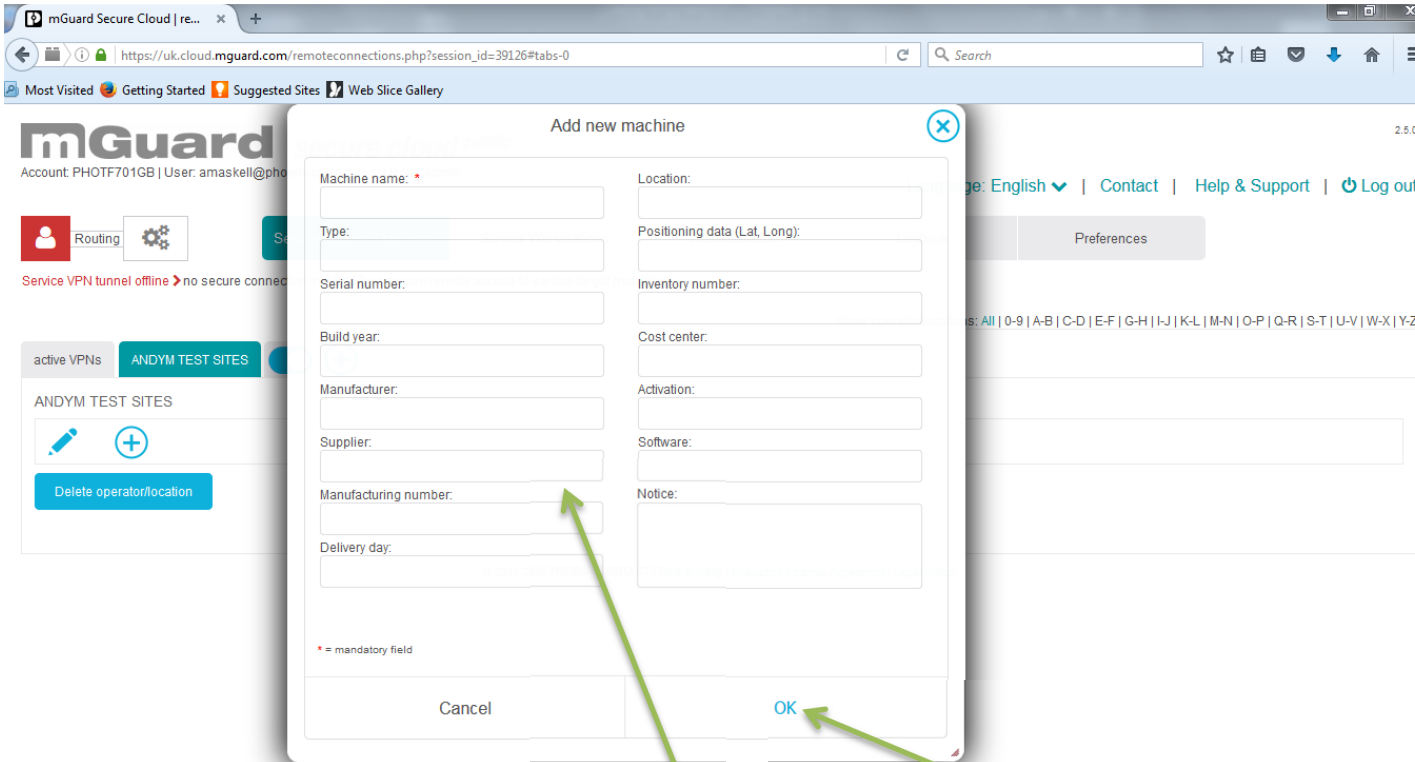


The screenshot shows the mGuard Secure Cloud public interface. The browser address bar displays the URL: [https://uk.cloud.mguard.com/remoteconnections.php?session\\_id=39126#tabs-0](https://uk.cloud.mguard.com/remoteconnections.php?session_id=39126#tabs-0). The page header includes the mGuard logo, account information (Account: PHOTF701GB | User: amaskell@phoenixcontact.com | Role: admin), and navigation links (Language: English, Contact, Help & Support, Log out). The main navigation bar shows 'Service Targets (Machines)' as the active tab. Below this, a status message indicates 'Service VPN tunnel offline'. The 'active VPNs' section shows 'ANDYM TEST SITES' with a toggle switch and a '+ add machine' icon. A green arrow points to this icon. The footer contains copyright information: © 2014-2016 PHOENIX CONTACT | Data privacy | Evaluation License Agreement | Legal Notice.

Click on the add machine icon.



## SECURE CLOUD QUICK START GUIDE – Adding a new machine ( CLOUD CLIENT configuration)



mGuard Secure Cloud | re... x +

https://uk.cloud.mguard.com/remotecoconnections.php?session\_id=39126#tabs-0

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mGuard

Account: PHOTF701GB | User: amaskell@pho

Routing

Service VPN tunnel offline > no secure connection

active VPNs ANDYM TEST SITES

ANDYM TEST SITES

Delete operator/location

2.5.0

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

Preferences

Machine name: \*

Location:

Type:

Positioning data (Lat, Long):

Serial number:

Inventory number:

Build year:

Cost center:

Manufacturer:

Activation:

Supplier:

Software:

Manufacturing number:

Notice:

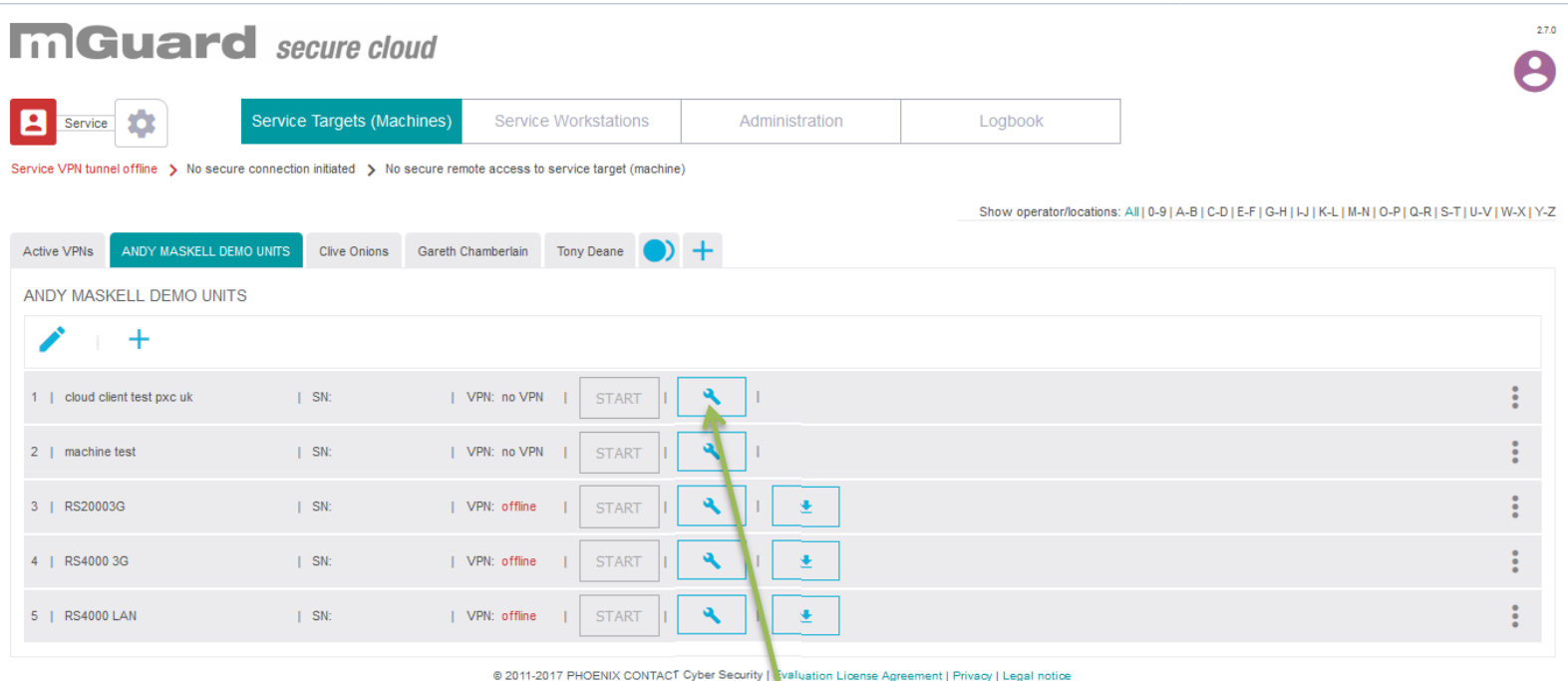
Delivery day:

\* = mandatory field

Cancel OK

Fill in your machine details as required and then click "OK"

## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



mGuard *secure cloud* 2.7.0

Service Targets (Machines) Service Workstations Administration Logbook

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 ANDY MASKELL DEMO UNITS Clive Onions Gareth Chamberlain Tony Deane

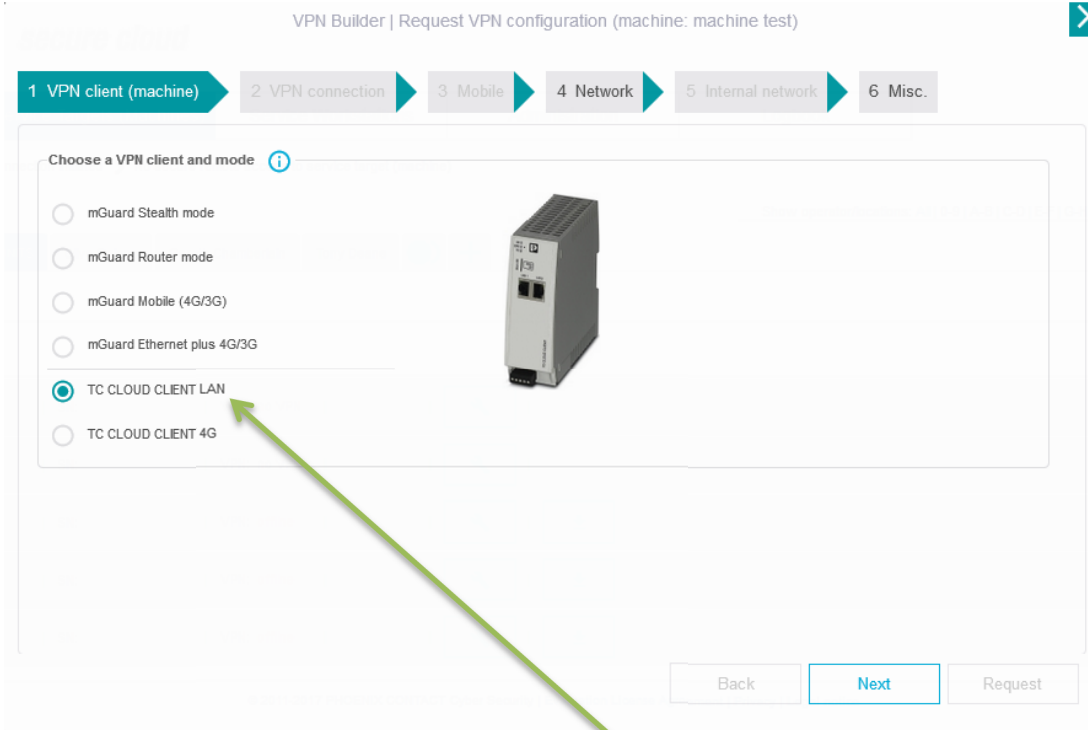
ANDY MASKELL DEMO UNITS

ID	Name	SN	VPN Status	START	Configuration	Download	More
1	cloud client test pxc uk		no VPN	START	Configuration		
2	machine test		no VPN	START	Configuration		
3	RS20003G		offline	START	Configuration	Download	
4	RS4000 3G		offline	START	Configuration	Download	
5	RS4000 LAN		offline	START	Configuration	Download	

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Click on the configuration wizard icon

## SECURE CLOUD QUICK START GUIDE – Adding a new machine ( CLOUD CLIENT configuration)



VPN Builder | Request VPN configuration (machine: machine test)

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

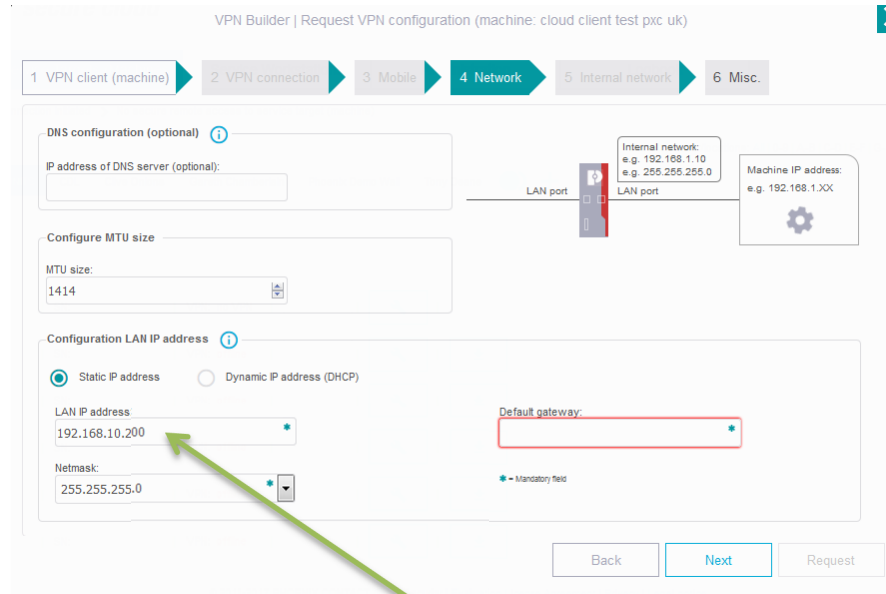
Back Next Request

In this example we are using the TC CLOUD CLIENT LAN, assuming an internet connection is available on site.

THEN GO TO “NEXT”

## SECURE CLOUD QUICK START GUIDE – Adding a new machine

(CLOUD CLIENT configuration)



VPN Builder | Request VPN configuration (machine: cloud client test pxc uk)

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

DNS configuration (optional) ⓘ  
IP address of DNS server (optional):

Configure MTU size  
MTU size:  
1414

Configuration LAN IP address ⓘ  
☒ Static IP address ☐ Dynamic IP address (DHCP)  
LAN IP address:  
192.168.10.200  
Netmask:  
255.255.255.0

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

Machine IP address:  
e.g. 192.168.1.XXX

Default gateway:  
\*

\* - Mandatory field

Back Next Request

SELECT STATIC OR DHCP & TYPE IN THE IP ADDRESS OF THE CLOUD CLIENT IN YOUR MACHINE NETWORK

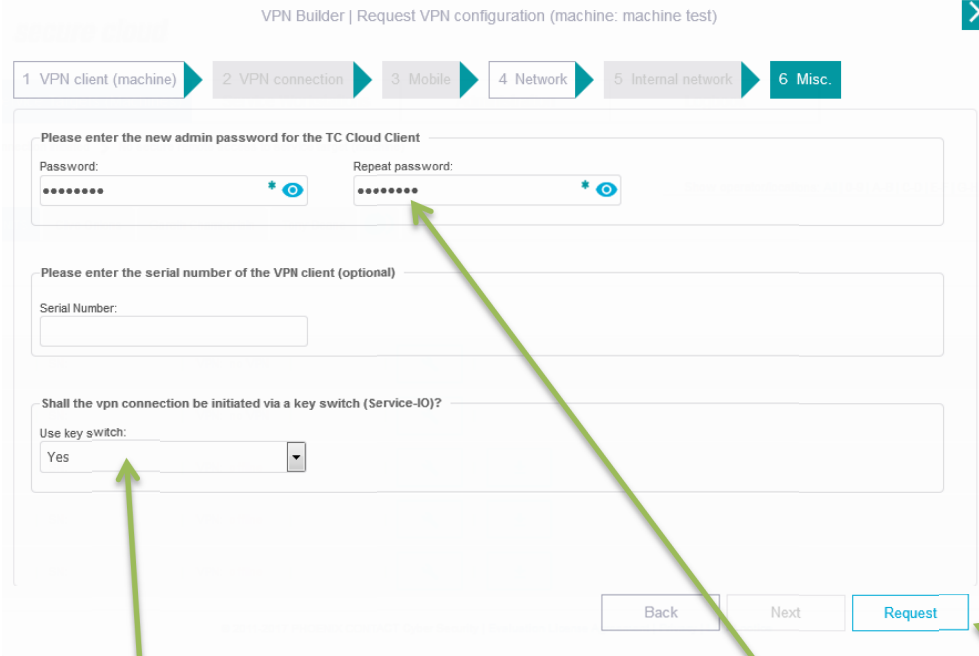
(MUST BE IN THE SAME RANGE AS THE MACHINE / SYSTEM YOU WISH TO REMOTELY CONNECT TO)

(ENTER THE DEFAULT GATEWAY IF KNOWN FOR STATIC CONNECTIONS)

THEN GO TO "NEXT"

## SECURE CLOUD QUICK START GUIDE – Adding a new machine

### (CLOUD CLIENT configuration)



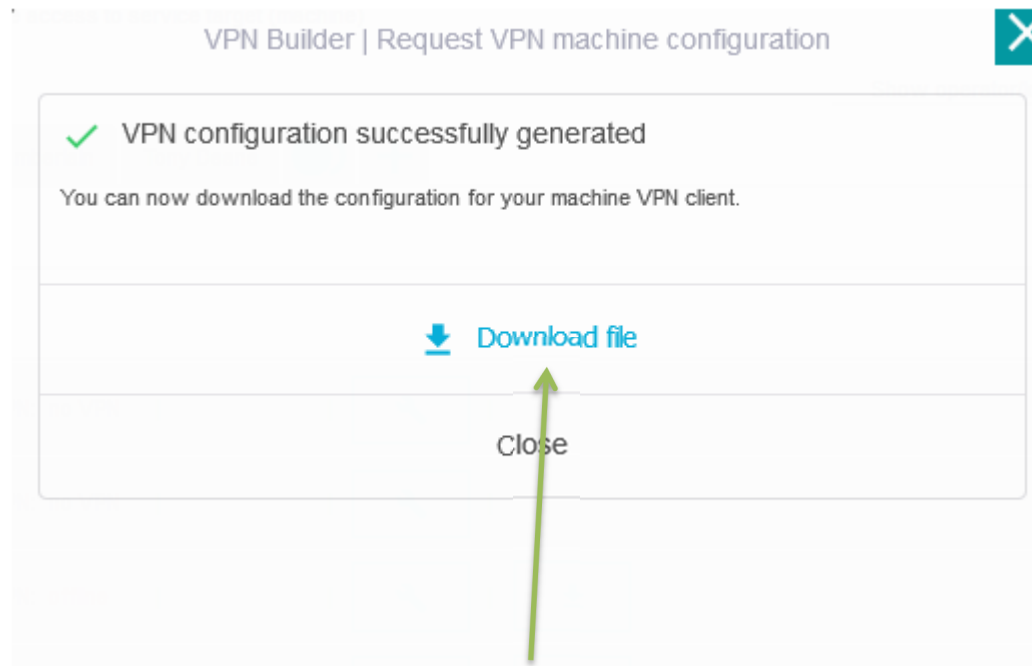
1- SELECT KEY SWITCH IF REQUIRED

2- ENTER A PASSWORD

3- REQUEST

(KEY SWITCH INPUT ENABLES OR DISABLES CONNECTION AT MACHINE )

## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



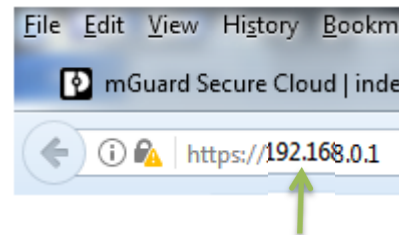
**NOW DOWNLOAD YOUR CONFIGURATION TO YOUR PC  
(WHERE YOU CAN FIND IT)**

## SECURE CLOUD QUICK START GUIDE – Adding a new machine

### (CLOUD CLIENT configuration) DOWNLOADING THE CONFIGURATION

**NOTE 1 - MAKE SURE YOU CONNECT YOUR PC TO A LAN PORT**

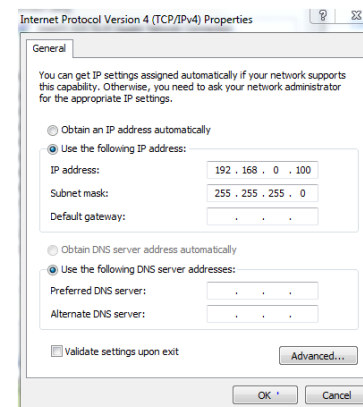
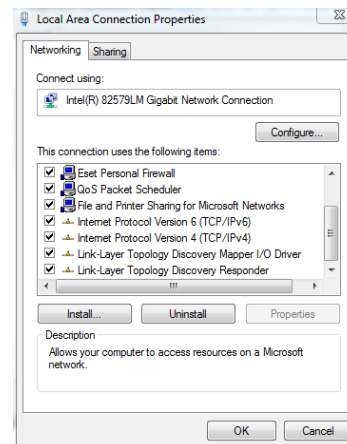
**NOTE 2 - MAKE SURE ONE OF THE PORTS IS CONNECTED TO THE INTERNET ALSO (2 LAN PORTS)**



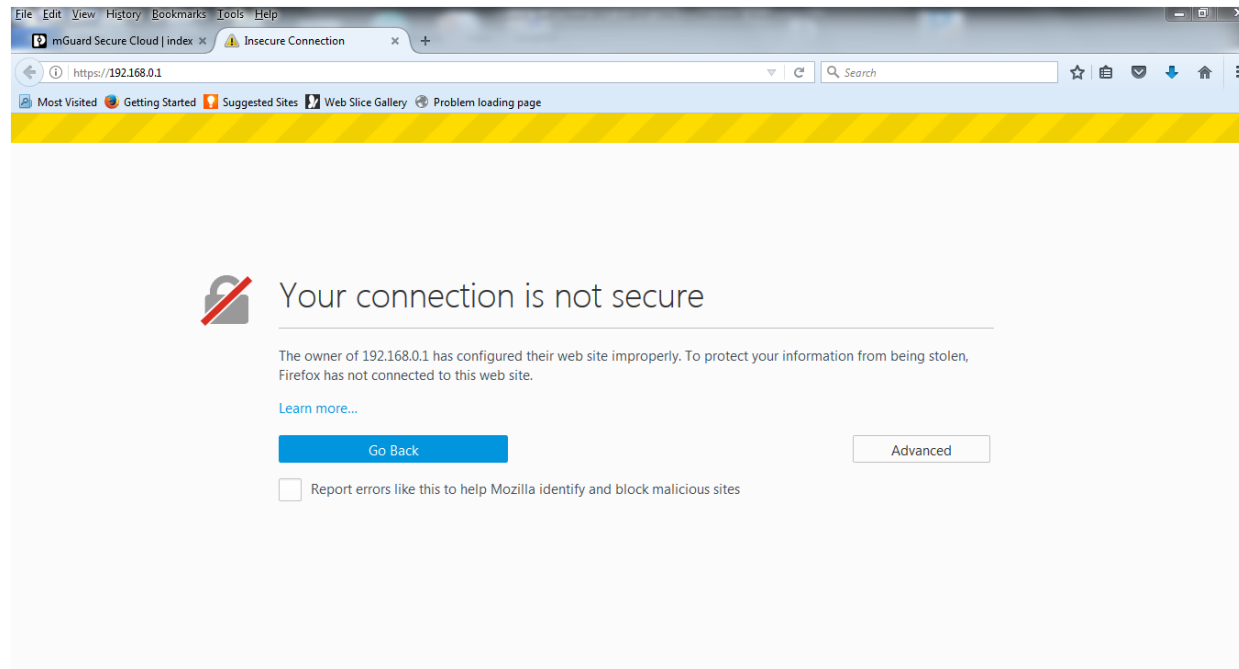
**ENTER THE DEFAULT IP OF THE CLOUD CLIENT**

**YOU MAY HAVE TO CHANGE THE IP OF YOUR PC TO DO THIS**

**(OPEN NETWORK AND SHARING CENTRE/LOCAL AREA CONNECTION/PROPERTIES/INTERNET PROTOCOL VERSION 4(TCP/IPV4))**



## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



**YOU MAY SEE A SIMILAR MESSAGE TO THIS WHEN YOU TRY TO LOG ONTO YOUR CLOUD CLIENT**

**SIMPLY CLICK ON ADVANCED AND “ADD EXCEPTION”**



## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)

**PHOENIX CONTACT**

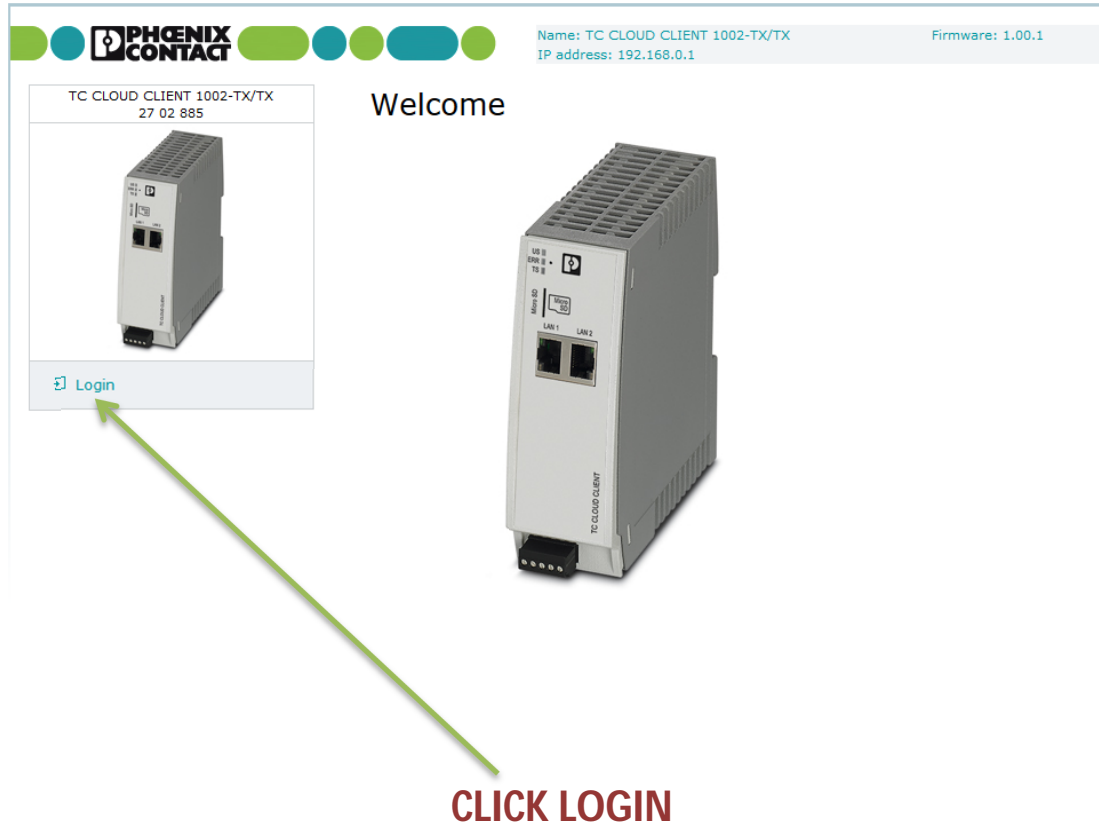
Name: TC CLOUD CLIENT 1002-TX/TX      Firmware: 1.00.1  
IP address: 192.168.0.1

TC CLOUD CLIENT 1002-TX/TX  
27 02 885

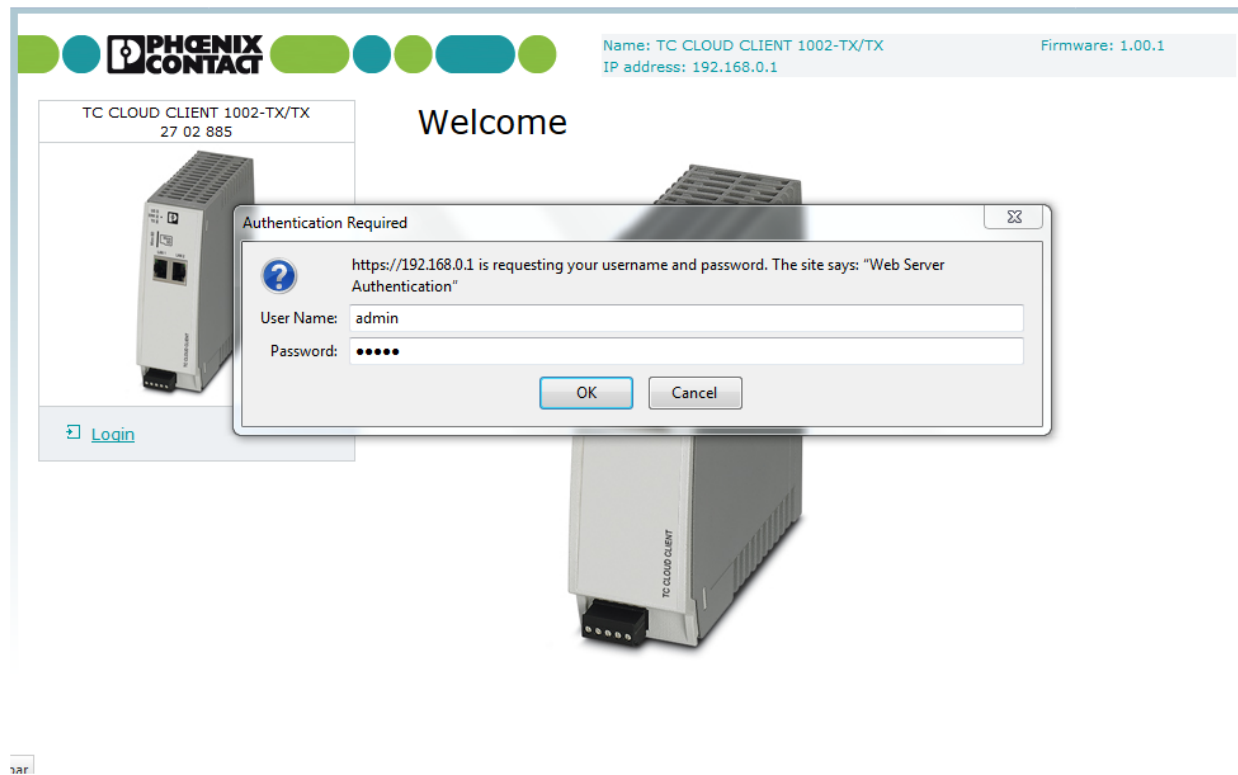
Welcome

Login

CLICK LOGIN




## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



WHEN YOU LOG ON FOR THE FIRST TIME TO YOUR CLOUD CLIENT THE PASSWORD IS : **admin** / USER : **admin**


## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



Name: TC CLOUD CLIENT 1002-TX/TX  
IP address: 192.168.0.1

Firmware: 1.00.1

TC CLOUD CLIENT 1002-TX/TX  
27 02 885




+ Device information  
+ Status  
+ System  
Logout

Hardware information	
Address	PHOENIX CONTACT GmbH & Co. KG 32825 Blomberg Germany
Internet	<a href="http://phoenixcontact.com">phoenixcontact.com</a>
Type	TC CLOUD CLIENT 1002-TX/TX
Order No.	27 02 885
Serial number	3034090647
Hardware	Rev: C
Release version	1.00.1
Operating system	Linux 2.6.39.4
Web-based management	1.67.2
MAC address LAN	00-A0-45-E8-B8-F8

CLICK ON "SYSTEM"


## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



Name: TC CLOUD CLIENT 1002-TX/TX  
IP address: 192.168.0.1

Firmware: 1.00.1

TC CLOUD CLIENT 1002-TX/TX  
27 02 885



+ Device information  
+ Status  
- System

- IP configuration
- Log file
- Load configuration
- Date/time
- Reboot
- Firmware update

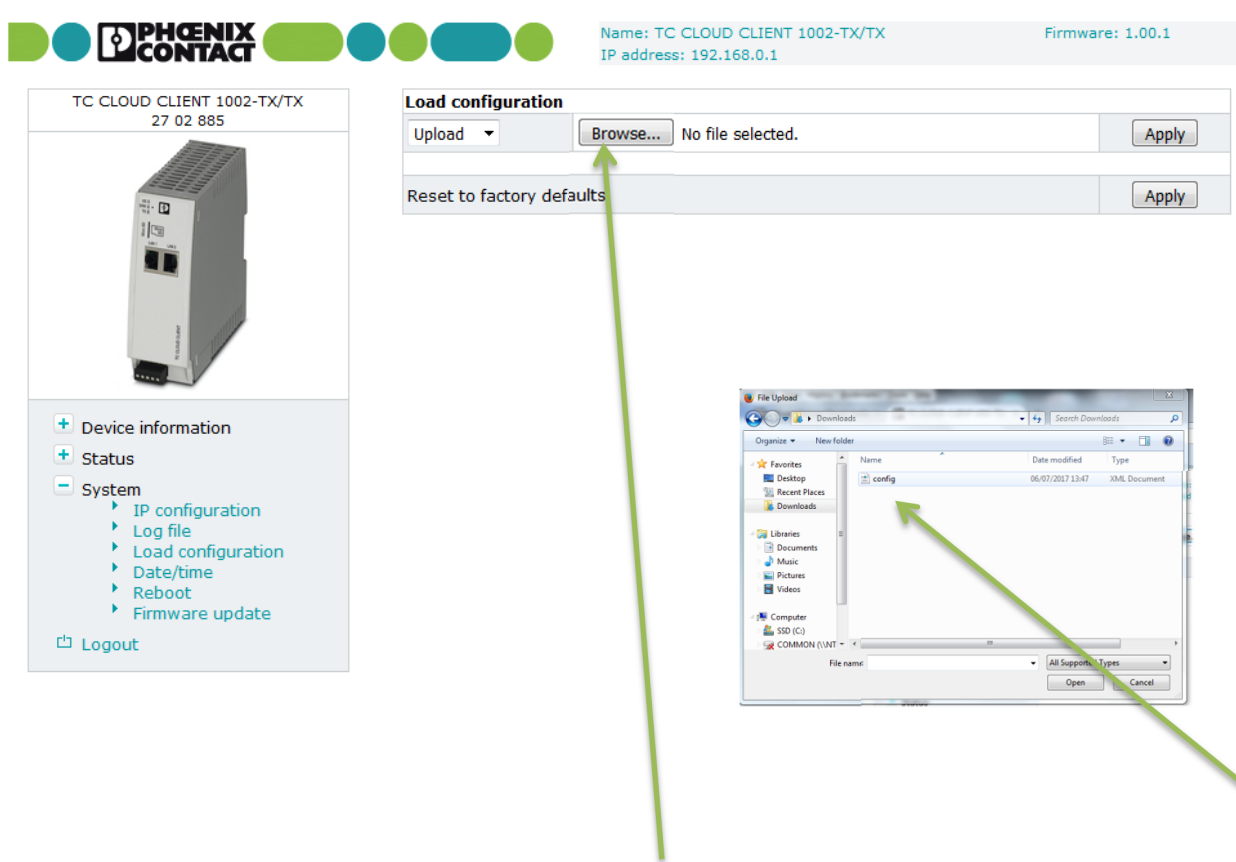
Logout

### Hardware information

Address	PHOENIX CONTACT GmbH & Co. KG 32825 Blomberg Germany
Internet	<a href="http://phoenixcontact.com">phoenixcontact.com</a>
Type	TC CLOUD CLIENT 1002-TX/TX
Order No.	27 02 885
Serial number	3034090647
Hardware	Rev: C
Release version	1.00.1
Operating system	Linux 2.6.39.4
Web-based management	1.67.2
MAC address LAN	00-A0-45-E8-B8-F8

CLICK ON "LOAD CONFIGURATION"

## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



PHOENIX CONTACT

Name: TC CLOUD CLIENT 1002-TX/TX  
IP address: 192.168.0.1

Firmware: 1.00.1

TC CLOUD CLIENT 1002-TX/TX  
27 02 885

**Load configuration**

Upload  No file selected.

Reset to factory defaults

+ Device information  
+ Status  
- System  
    > IP configuration  
    > Log file  
    > Load configuration  
    > Date/time  
    > Reboot  
    > Firmware update

File Upload

Organize New folder

Search Downloads

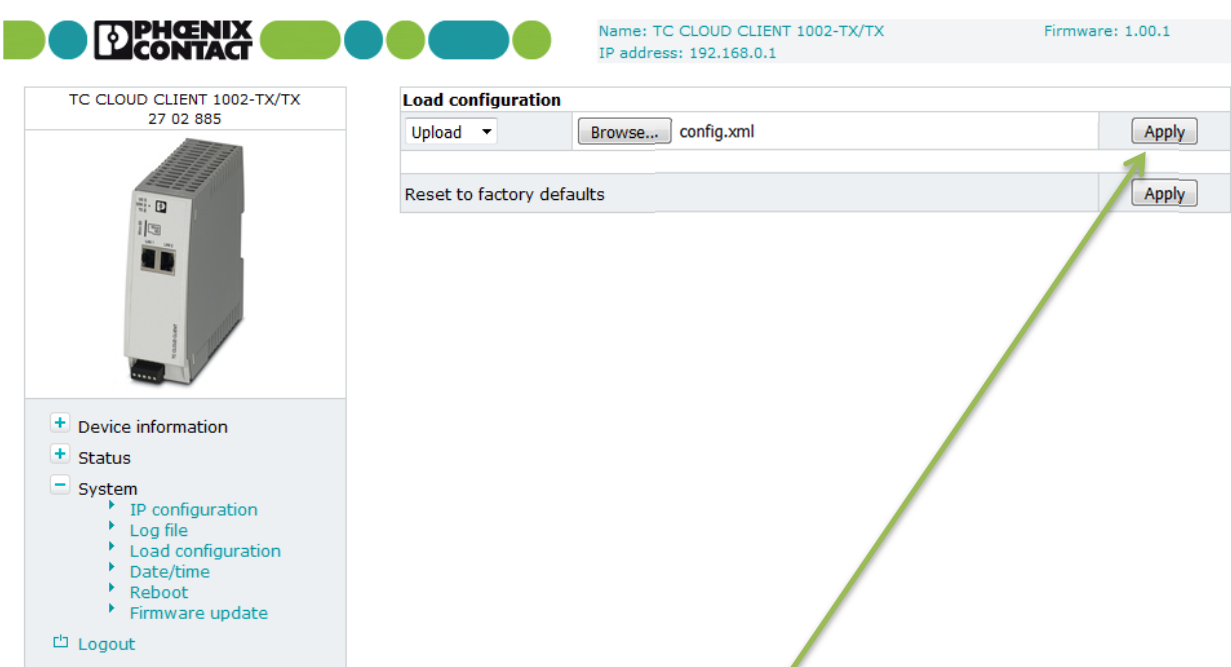
Name Date modified Type

config 06/07/2017 13:47 XML Document

File name:  All supported types

CLICK ON "BROWSE" AND SELECT THE CONFIGURATION DOWNLOAD CREATED ON PAGE 33

## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



The screenshot shows the web interface for the TC Cloud Client 1002-TX/TX. The top header includes the Phoenix Contact logo and the device name "TC CLOUD CLIENT 1002-TX/TX" with its IP address "192.168.0.1" and firmware version "1.00.1". The main content area is divided into two sections. On the left, there is a sidebar with a device image and a menu containing "Device information", "Status", "System" (with sub-items: "IP configuration", "Log file", "Load configuration", "Date/time", "Reboot", "Firmware update"), and "Logout". On the right, the "Load configuration" section is active, showing an "Upload" dropdown, a "Browse..." button, and a file named "config.xml". Below this, there is a "Reset to factory defaults" button. A green arrow points from the text "CLICK 'APPLY'" at the bottom to the "Apply" button next to the "config.xml" file.

TC CLOUD CLIENT 1002-TX/TX  
27 02 885

PHOENIX CONTACT

Name: TC CLOUD CLIENT 1002-TX/TX  
IP address: 192.168.0.1  
Firmware: 1.00.1

**Load configuration**

Upload  config.xml


Reset to factory defaults

+ Device information  
+ Status  
- System

- ▶ IP configuration
- ▶ Log file
- ▶ Load configuration
- ▶ Date/time
- ▶ Reboot
- ▶ Firmware update

CLICK "APPLY"


## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



Name: TC CLOUD CLIENT 1002-TX/TX  
IP address: 192.168.0.1

Firmware: 1.00.1

TC CLOUD CLIENT 1002-TX/TX  
27 02 885



+ Device information  
+ Status  
- System

- IP configuration
- Log file
- Load configuration
- Date/time
- Reboot
- Firmware update

Logout


```

xml parsed
/tmp/cfg/etc/sysconf/openvpn removed
update /etc/sysconf/ipsec/cnt_vpn
/usr/lib/wbm/conf/ipsec/vpn2 removed
/usr/lib/wbm/conf/ipsec/vpn3 removed
/etc/conf/ipsec/vpn2 removed
/etc/conf/ipsec/vpn3 removed
/tmp/cfg/etc/conf/snmp/fw_external removed
/tmp/cfg/etc/conf/ipsec/vpn1/autoreset removed
/tmp/cfg/etc/conf/ipsec/vpn1/resettime removed
/tmp/cfg/etc/conf/iptables/fw_in removed
/tmp/cfg/etc/conf/iptables/fw_netbios removed
/tmp/cfg/etc/conf/iptables/fw_out removed
/tmp/cfg/etc/conf/iptables/icmp removed
/tmp/cfg/etc/conf/iptables/masq_enable removed
/tmp/cfg/etc/conf/iptables/masq_tbl removed
/tmp/cfg/etc/conf/iptables/nat_enable removed
/tmp/cfg/etc/conf/iptables/nat_fw removed
/tmp/cfg/etc/conf/iptables/nat_vs removed
/tmp/cfg/etc/conf/iptables/nat_xfrom removed
/tmp/cfg/etc/conf/iptables/nat_xhost removed
/tmp/cfg/etc/conf/iptables/nat_xlog removed
/tmp/cfg/etc/conf/iptables/nat_xmasq removed
/tmp/cfg/etc/conf/iptables/xssh removed
/tmp/cfg/etc/conf/iptables/xwbm removed
/tmp/cfg/etc/conf/system/cfgconnect removed
update /etc/conf/ipsec/vpn1/remote_cert
update /etc/conf/ipsec/vpn1/remote_addr
update /etc/conf/ipsec/vpn1/nat
update /etc/conf/ipsec/vpn1/name
update /etc/conf/ipsec/vpn1/mode
update /etc/conf/ipsec/vpn1/local_net
update /etc/conf/ipsec/vpn1/local_cert
update /etc/conf/ipsec/vpn1/local_addr
update /etc/conf/ipsec/vpn1/ike_hash

```


THE CONFIGURATION WILL LOAD WITHIN A FEW SECONDS THEN CLICK “REBOOT”

## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)



Name: TC CLOUD CLIENT 1002-TX/TX  
 IP address: 192.168.0.1

Firmware: 1.00.1

TC CLOUD CLIENT 1002-TX/TX  
 27 02 885
 

+ Device information  
 + Status  
 - System
 

- IP configuration
- Log file
- Load configuration
- Date/time
- Reboot
- Firmware update

 Logout

### Reboot

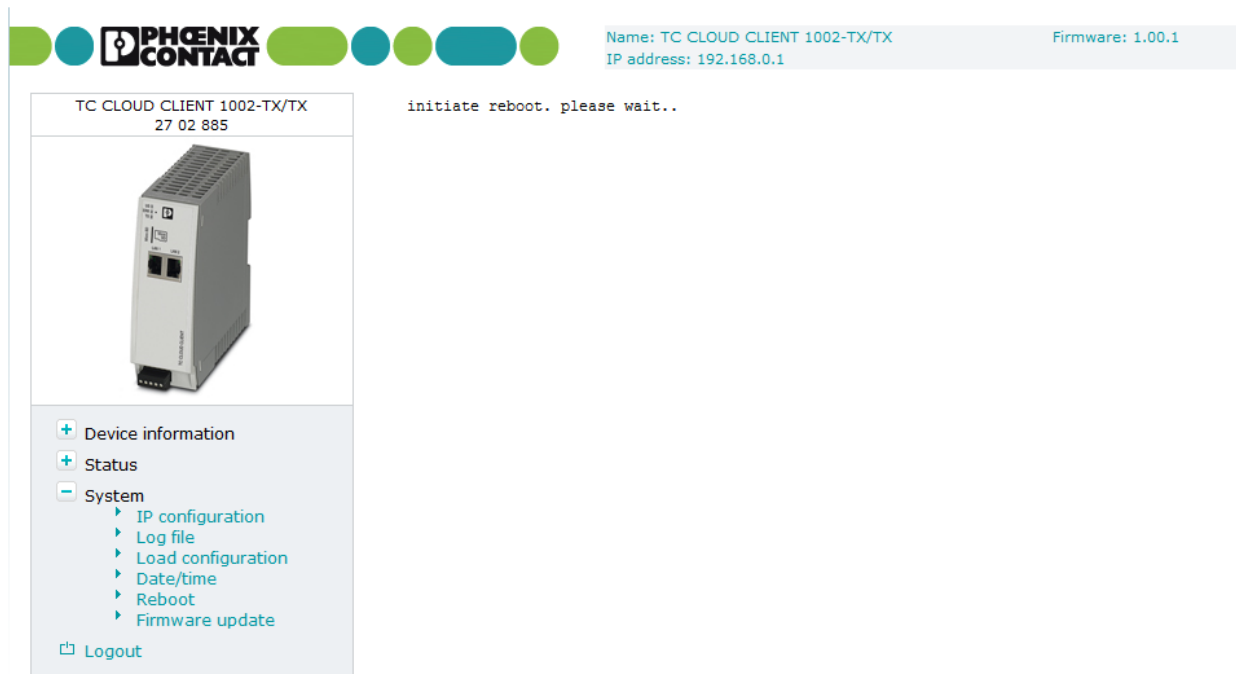
Reboot NOW!

Daily reboot	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time	01:00						
<div>Apply</div>							

CLICK "REBOOT NOW"



## SECURE CLOUD QUICK START GUIDE – Adding a new machine (CLOUD CLIENT configuration)

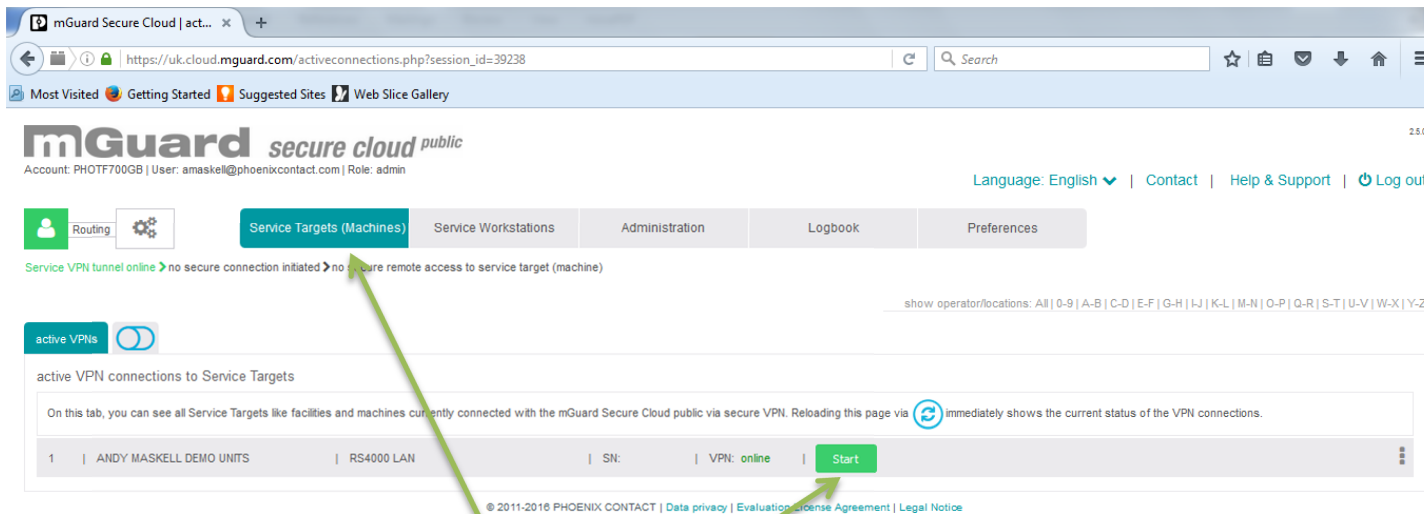


**YOUR NEW CLOUD CLIENT IS NOW CONNECTED TO THE CLOUD**

**CONNECT YOUR VPN CLIENT AS IN PAGE 22 OF THE GUIDE AND YOU WILL HAVE A VPN CONNECTION**

FROM YOUR PC TO YOUR CLOUD CLIENT...NOW YOU CAN CONNECT YOUR MACHINE IN YOUR APPLICATION

## SECURE CLOUD TESTING

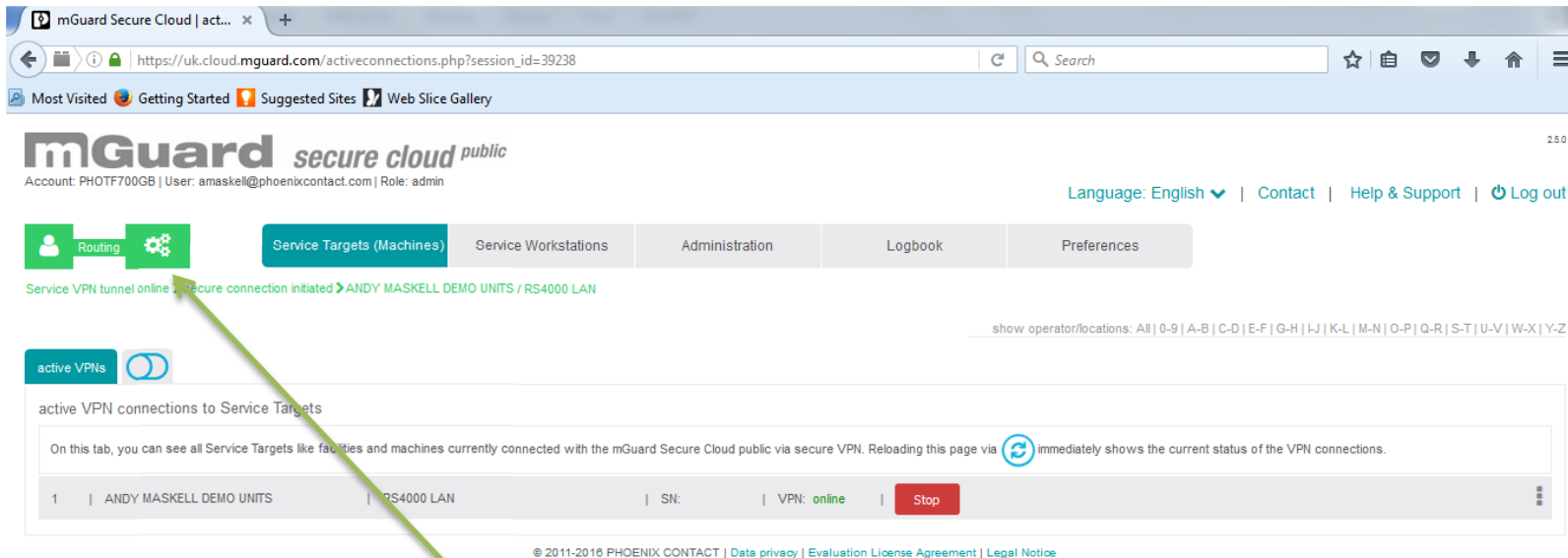


Log into your cloud account if you are not already and you will see the above image under the TAB


Service Targets (Machines)

Press Start and the cloud will create the complete connection between CLIENT & MACHINE

## MGUARD SECURE CLOUD TESTING



The screenshot shows the mGuard Secure Cloud public interface. The top navigation bar includes the mGuard logo, account information (Account: PHOTF700GB | User: amaskell@phoenixcontact.com | Role: admin), and links for Language (English), Contact, Help & Support, and Log out. The main menu has tabs for Routing, Service Targets (Machines), Service Workstations, Administration, Logbook, and Preferences. The Routing tab is active, showing a status message: "Service VPN tunnel online" and "Secure connection initiated" for "ANDY MASKELL DEMO UNITS / RS4000 LAN". Below this, the "active VPNs" section displays a table of active VPN connections to Service Targets.

1	ANDY MASKELL DEMO UNITS	RS4000 LAN	SN:	VPN: online	Stop
On this tab, you can see all Service Targets like facilities and machines currently connected with the mGuard Secure Cloud public via secure VPN. Reloading this page via  immediately shows the current status of the VPN connections.					

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You will now see that the routing is complete and your remote connection is ready to use.

You must remain connected to the cloud to retain your remote access connection.

Use your machine software etc. as you normally would whilst connected. The VPN (Virtual Private Network) behaves like a cable replacement.

## SECURE CLOUD QUICK START GUIDE – Adding a new machine


### (CLOUD CLIENT 4G - configuration)

VPN Builder | Request VPN configuration (machine: CC 4G)

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 Next Request

Select the TC CLOUD CLIENT 4G option

THEN GO TO "NEXT"

## SECURE CLOUD QUICK START GUIDE – Adding a new machine

### (CLOUD CLIENT 4G - configuration)

VPN Builder | Request VPN configuration (machine: CC 4G)

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

Select the Provider Type

Provider Type:  
Generic 4G LTE

Configuration 1. SIM Card

SIM PIN for first SIM card:

APN (Access Point Name) for first SIM card:  
everywhere

Initiate VPN connection via SMS token

Token:  
#<Token>:(SET|CLR):IPSEC

Configure PPP Authentication

Select Authentication Type:  
PAP

PPP User:  
eeseccure

PPP Password:  
secure

Back Next Request

FILL IN THE APN SETTINGS FOR YOUR CHOSEN NETWORK PROVIDER (EE CONTRACT SHOWN IN EXAMPLE)

THEN GO TO "NEXT"

## SECURE CLOUD QUICK START GUIDE – Adding a new machine

### (CLOUD CLIENT 4G - configuration)

VPN Builder | Request VPN configuration (machine: CC 4G)

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

Configure MTU size

MTU size: 1414

Mobile network

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

Machine IP address:  
e.g. 192.168.1.XX

LAN port

Configuration LAN IP address

☒ Static IP address ☐ Dynamic IP address (DHCP)

LAN IP address:  
192.168.10.2

Netmask:  
255.255.255.0

Back Next Request

FILL IN THE IP ADDRESS YOU WANT FOR THE LAN PORT (IN THE SAME SUBNET AS YOUR MACHINE)

THEN GO TO "NEXT"

## SECURE CLOUD QUICK START GUIDE – Adding a new machine

### (CLOUD CLIENT 4G - configuration)

VPN Builder | Request VPN configuration (machine: CC 4G)

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:  Repeat password:

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:

Back Next Request

1- SELECT KEY SWITCH IF REQUIRED

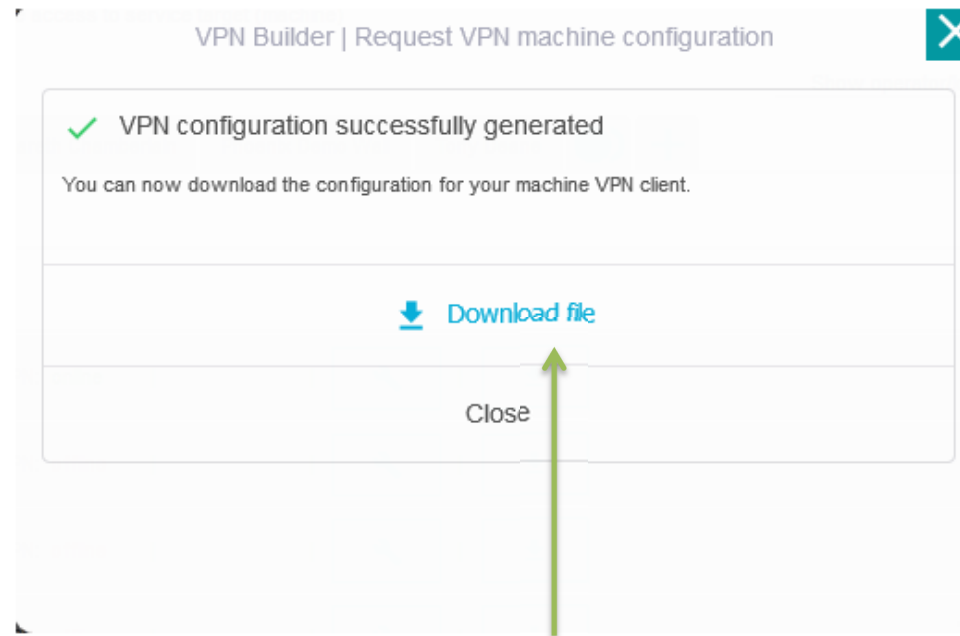
2- ENTER A PASSWORD

3- REQUEST

(KEY SWITCH INPUT ENABLES OR DISABLES CONNECTION AT MACHINE )

## SECURE CLOUD QUICK START GUIDE – Adding a new machine

### (CLOUD CLIENT 4G - configuration)



NOW DOWNLOAD YOUR CONFIGURATION TO YOUR PC

(WHERE YOU CAN FIND IT)

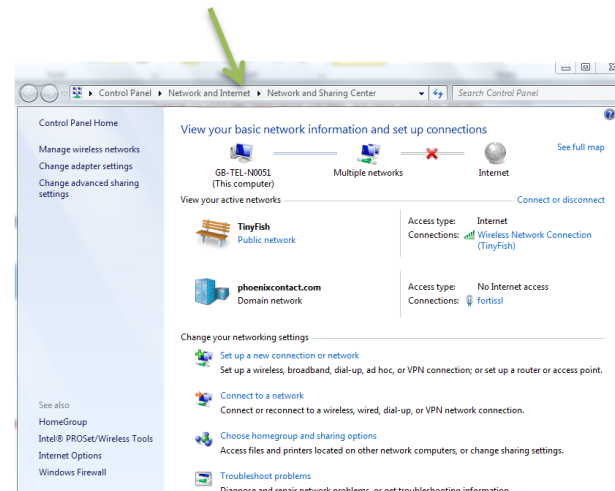
THEN FOLLOW INSTRUCTIONS AS PER PAGES 35-47



## SECURE CLOUD QUICK START GUIDE – Troubleshooting guide

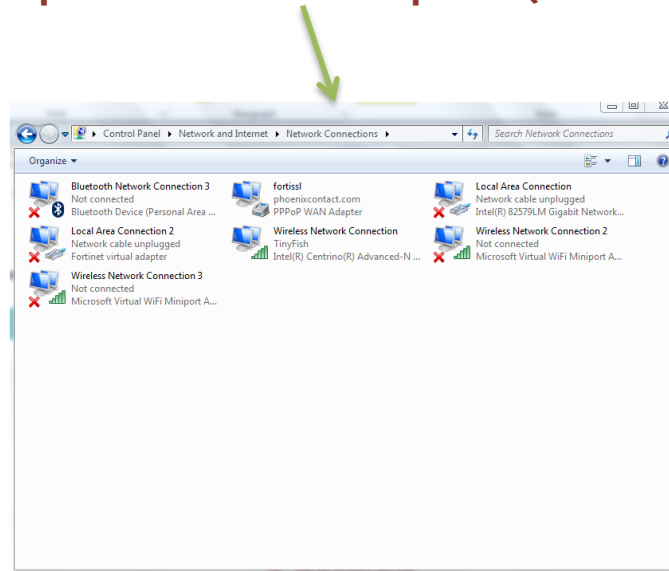
1. One of the most common issues is not being able to communicate via the mGuard Cloud using third party software (PLC/HMI programming software) This is due to the adapter settings created by the software that occupy the Ethernet port resource.

To solve this problem go into the “NETWORK & SHARING CENTRE”



## SECURE CLOUD QUICK START GUIDE – Troubleshooting guide

Now disable any network adapters that are not required (associated with third party software)



FOR ANY FURTHER SUPPORT ISSUES PLEASE CONTACT PHOENIX CONTACT UK CUSTOMER SERVICES

TEL : +00 44 (01952) 681700