

# **VPN with INSYS Connectivity Service**

OpenVPN Connection to  
INSYS Connectivity Service  
under iOS with iPad

## Introduction

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# 1 Introduction

## General

The present publication refers to a combination of selected hardware and software components of INSYS icom GmbH as well as other manufacturers. All components have been combined with the target to realize certain results and effects for certain applications in the field of professional data transfer.

All components have been prepared, configured and used as described in this publication. Thus, the desired results and effects have been achieved.

The exact descriptions of all used components, to which this publication refers, are described in the tables *Hardware*, *Accessories* and *Software* at the end of this publication.

The symbols and formatings used in this publication are explained in the correspondent section at the end of this publication.

Some configurations or preparations, which are precondition in this publication, are described in other publications. Therefore, always refer to the related device manuals. INSYS devices with web interface provide you with helpful information about the configuration possibilities, if you click on "display help text" in the header.

An Apple iPad can also participate in the INSYS Connectivity Service via an OpenVPN connection.

Refer to <http://www.openvpn.net> for further information about OpenVPN.

Use this publication to find out how to include an Apple iPad into the INSYS Connectivity Service via an OpenVPN connection. Prerequisite is that the app OpenVPN Connect is installed on the tablet.

The present publication describes the proceeding under iOS 5.1 on an iPad 1. Proceed accordingly for an installation under other versions/devices.

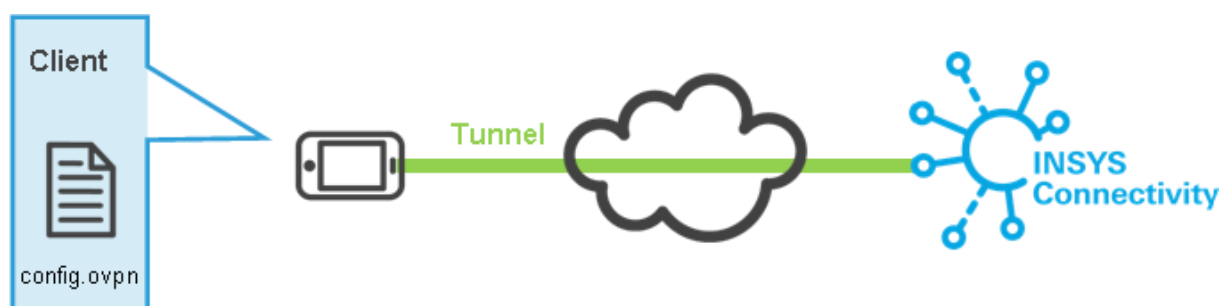


Figure 1: iPad with INSYS Connectivity Service via OpenVPN

## 2 Configuration

### Configuration

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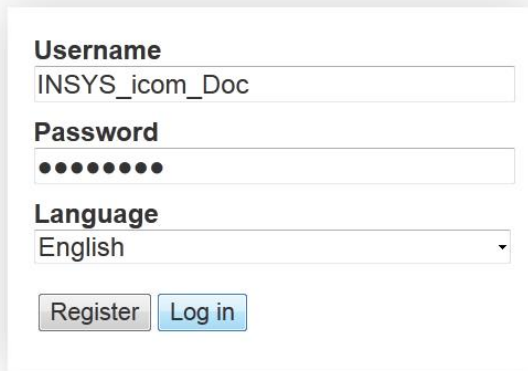
Proceed as follows to configure the OpenVPN connection to the INSYS Connectivity Service.

■ **Downloading the configuration file from INSYS Connectivity Service**

How to download the OpenVPN configuration file for your tablet from the INSYS Connectivity Service. This step must be performed from a PC.

- Your PC is connected to the Internet.
- The tablet is completely configured in the INSYS Connectivity Service.

1. Open the browser and log in to your account in the INSYS Connectivity.



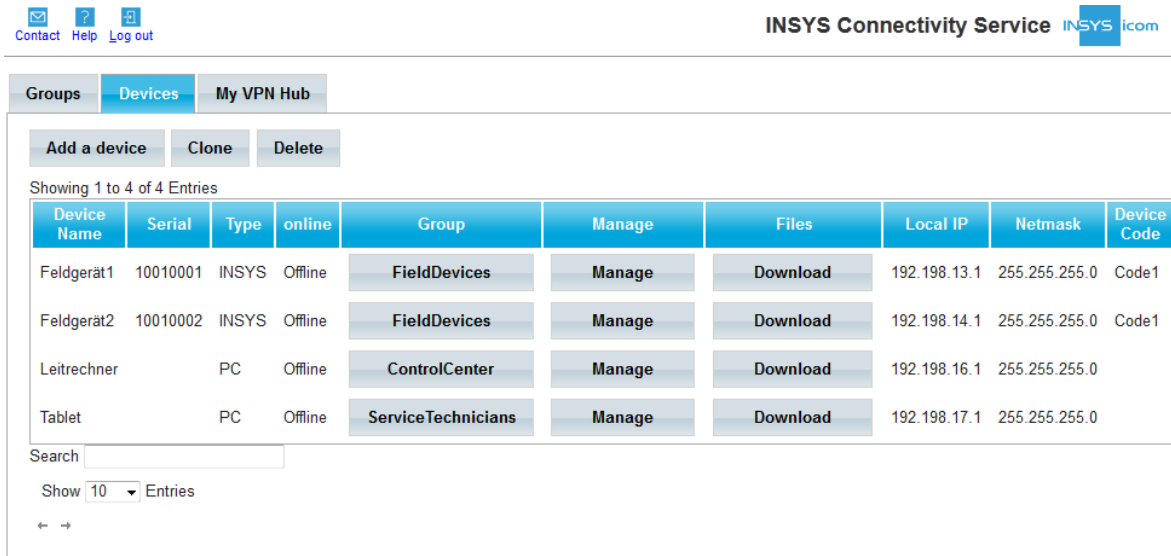
The screenshot shows a login form with the following fields and buttons:

- Username**: Text input field containing "INSYS\_icom\_Doc".
- Password**: Password input field with 10 dots.
- Language**: Dropdown menu set to "English".
- Buttons**: "Register" and "Log in" buttons.

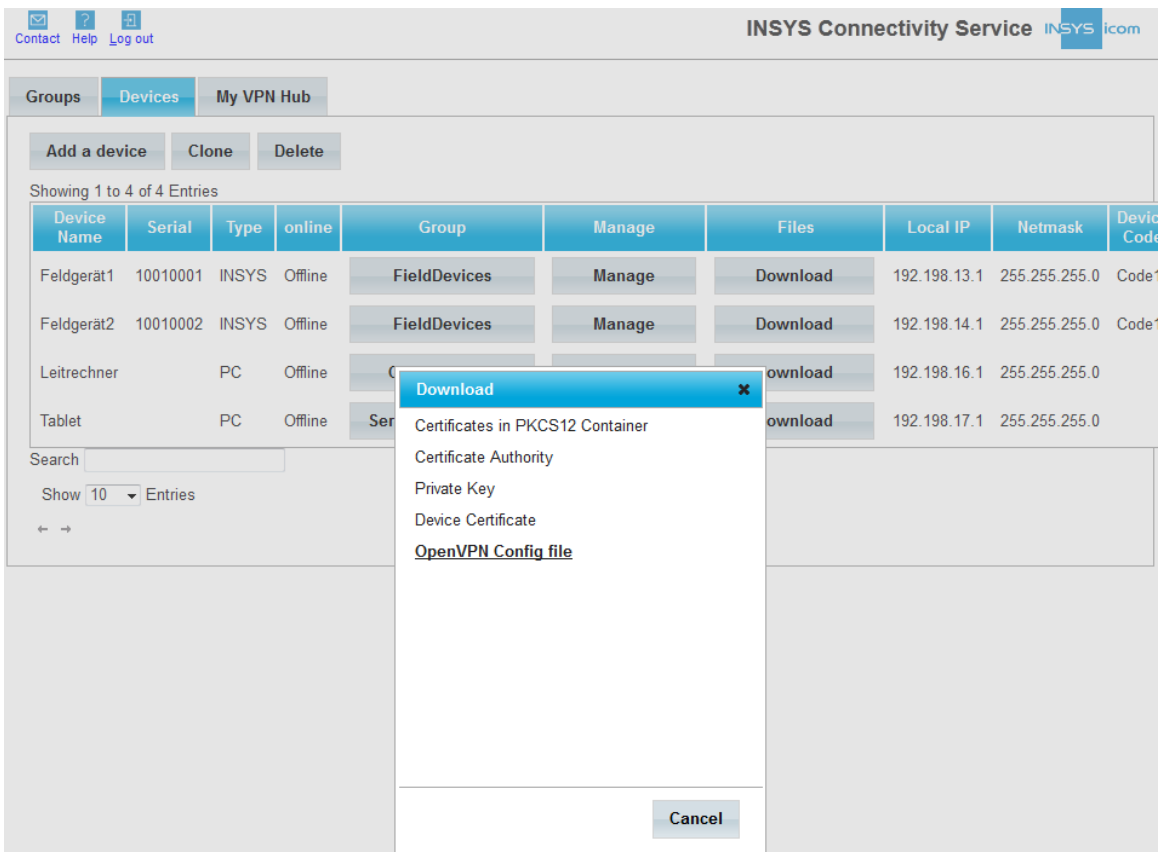


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2. Select the "Devices" tab.



3. Select the "Download" button in the row of the respective device (here "Tablet").



4. Select "OpenVPN Config File" using the right mouse button and "Save target as" to save the file on the computer.

5. Select "Cancel" and close the browser.

- ✓ You have downloaded the configuration file from the INSYS Connectivity Service to your computer with this.

### ■ Sending the configuration file to the iPad

How to send the OpenVPN configuration file to the iPad that is intended to establish the OpenVPN connection.

→ You have downloaded the OpenVPN configuration file as aforesaid.

1. Send the OpenVPN configuration file as e-mail attachment to the e-mail address configured on the iPad.

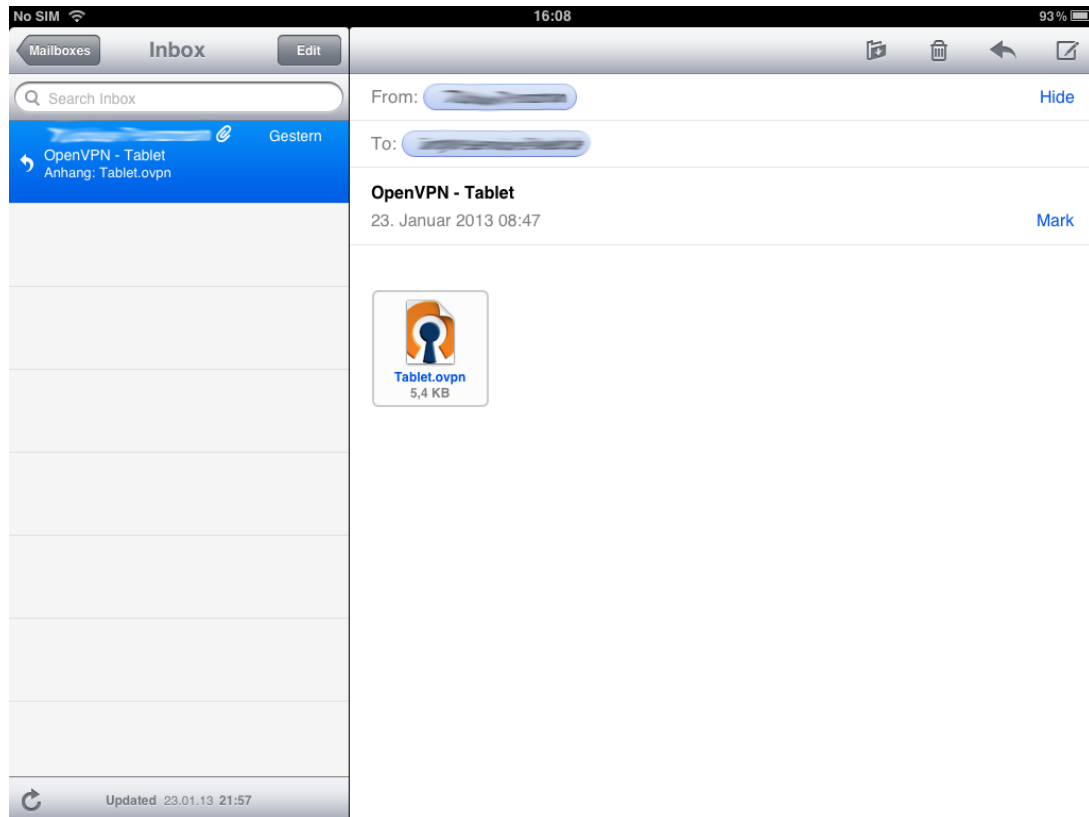
- ✓ You have completed all preparatory steps with this that are to be performed from a PC.

### ■ Configuring OpenVPN Connect for the INSYS Connectivity Service

How to configure OpenVPN Connect under iOS for a connection to the INSYS Connectivity Service.

- OpenVPN Connect is installed on the iPad.
- The edited configuration file has been sent to the iPad via e-mail.
- The iPad is connected to the Internet.

#### 1. Open the Mail application and the e-mail with the configuration file.



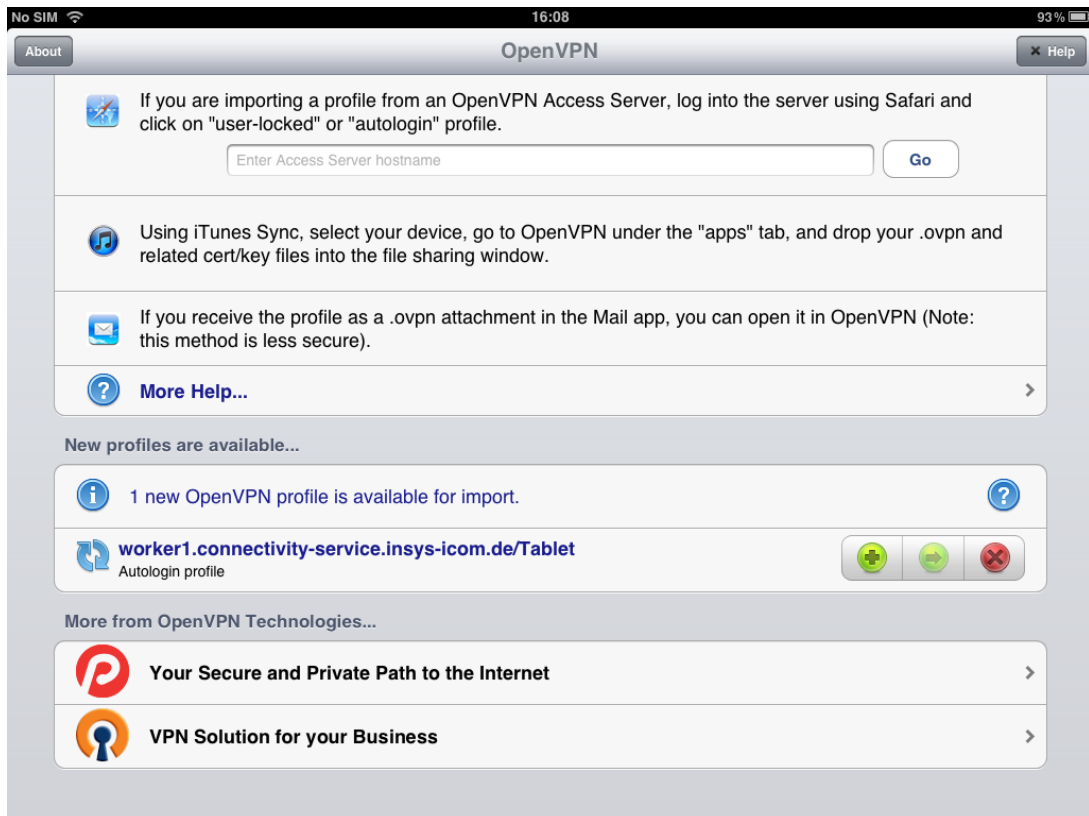
## Configuration

2. Select the attached file and "Open in "OpenVPN"".



✓ OpenVPN Connect opens.

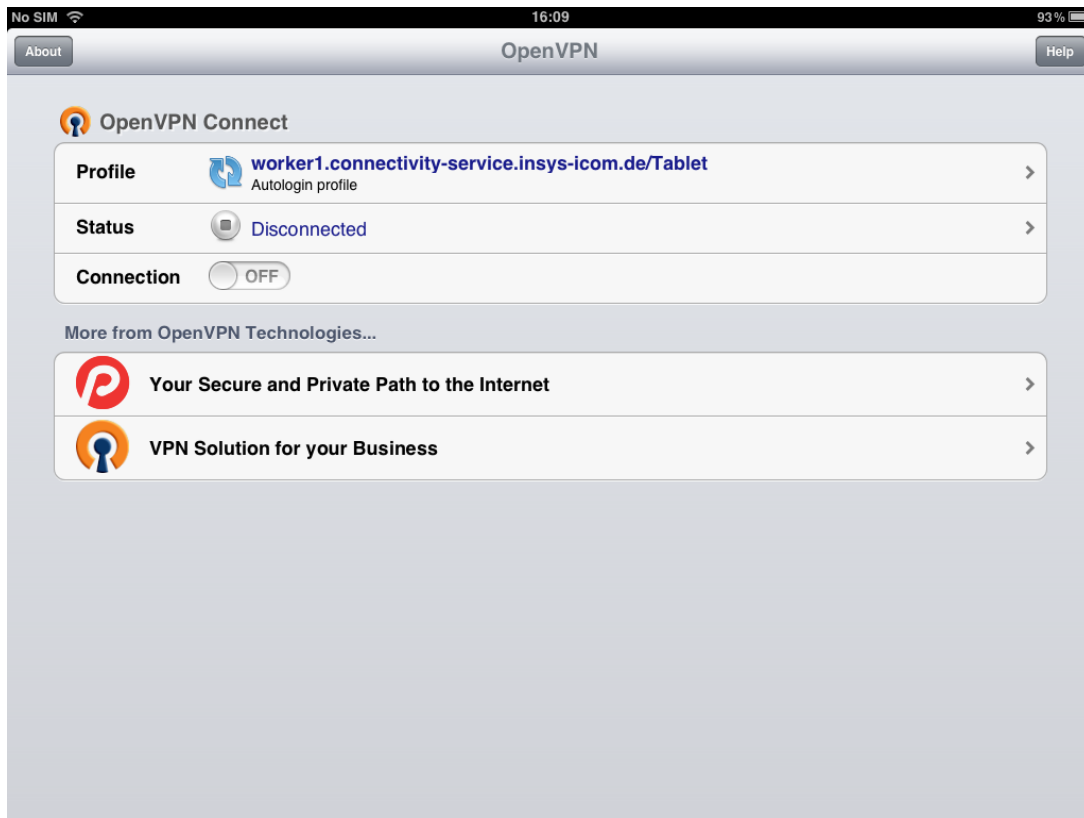
3. Select the "+" behind the new profile under "New profiles are available..."



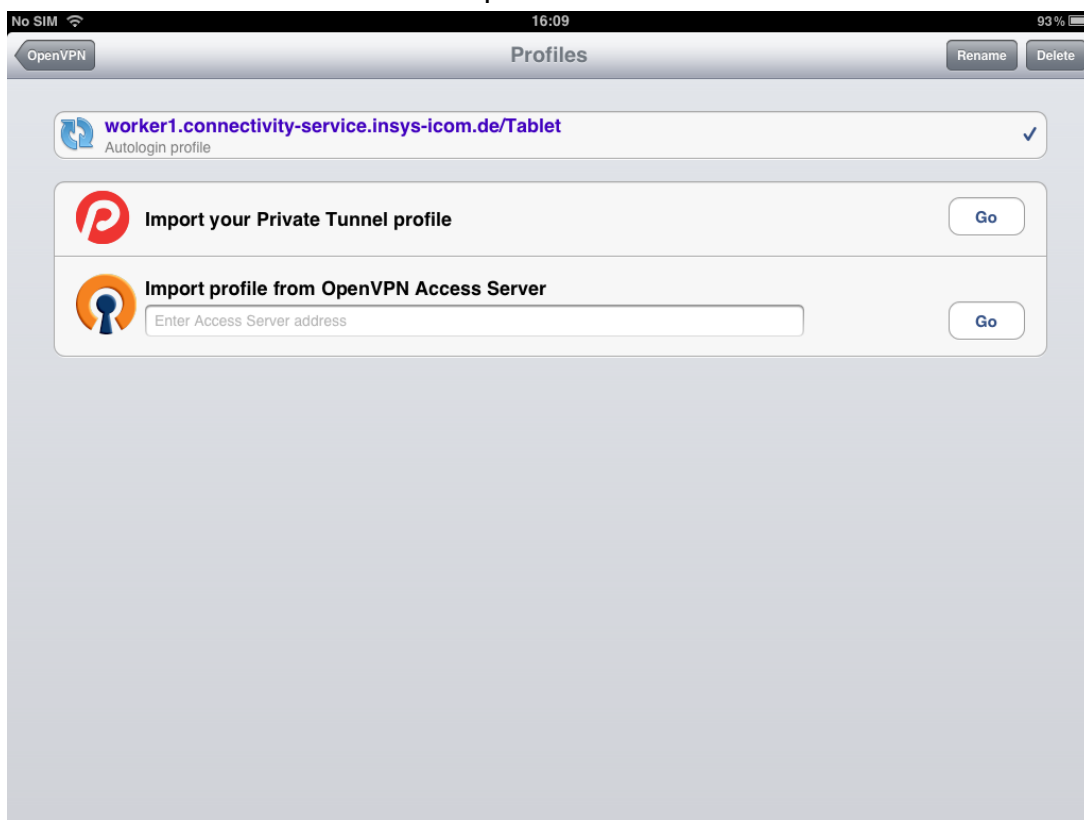
✓ The new profile is being imported.



4. Select the profile.

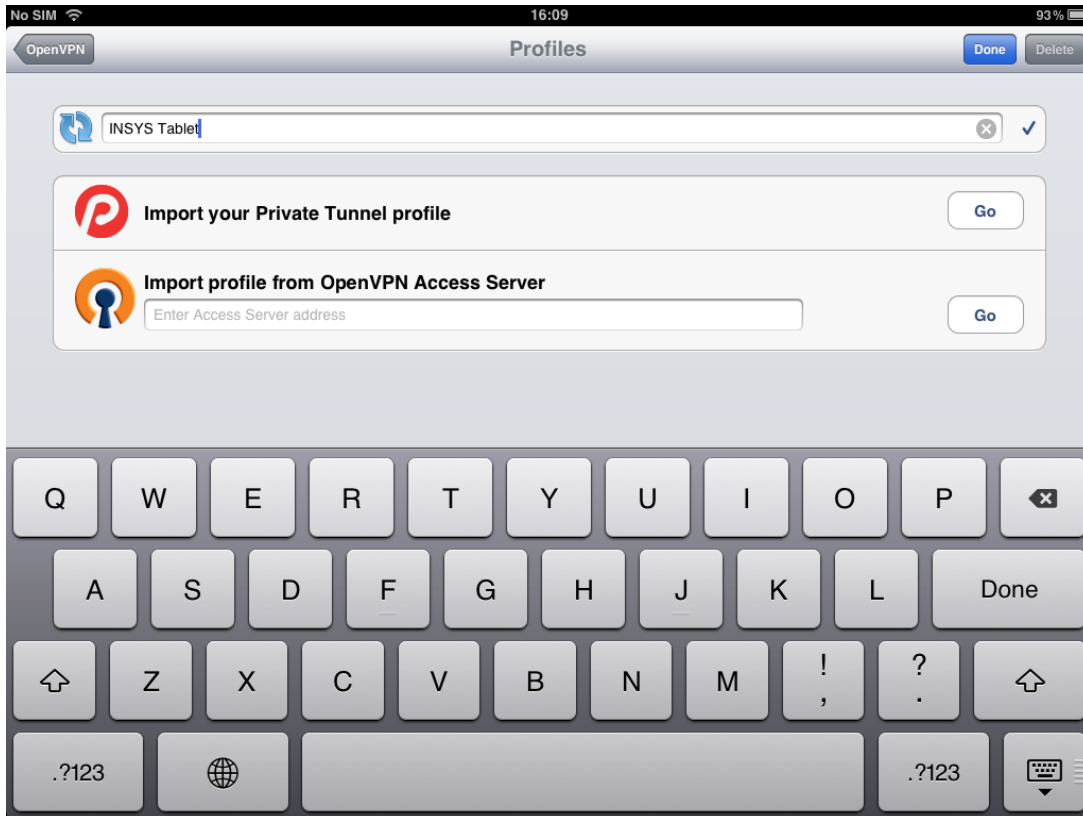


5. Select "Rename" to rename the profile.



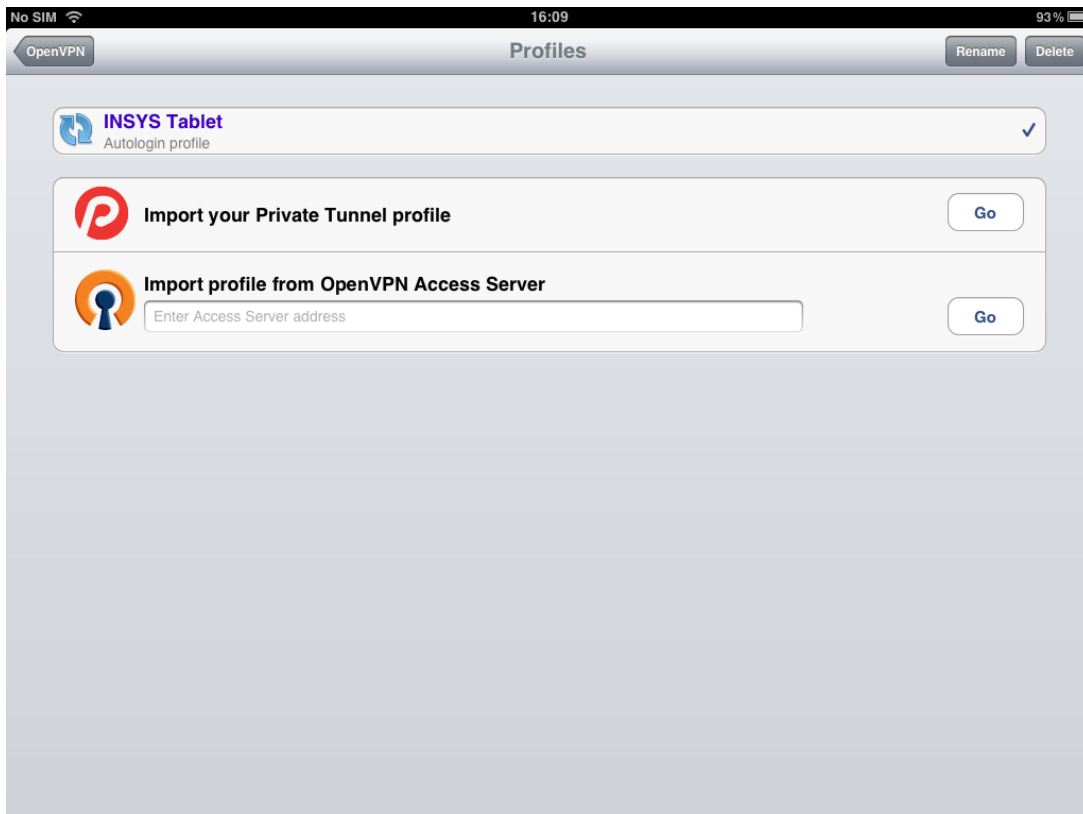
## Configuration

6. Assign an appropriate name to the profile and select "Done".



✓ The profile is being renamed.

7. Select "OpenVPN".



✓ You have configured OpenVPN Connect for a connection to the INSYS Connectivity Service with this.

## Connection Establishment

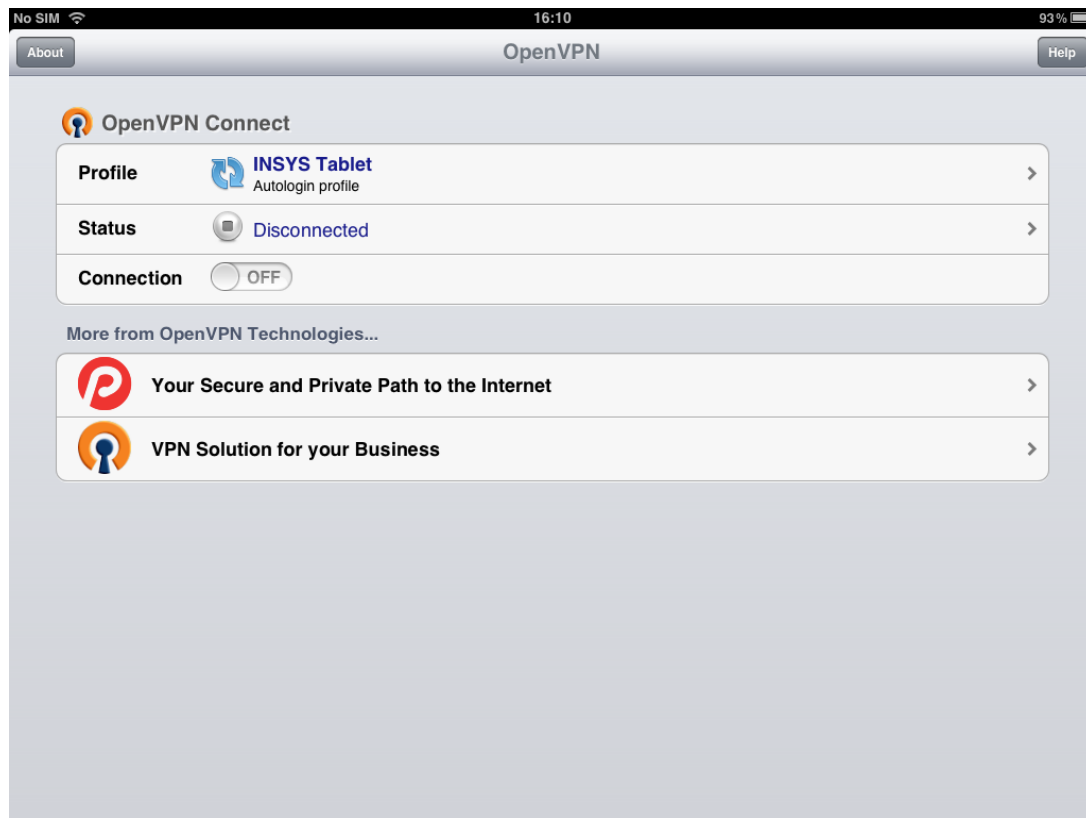
Establish an OpenVPN connection to the INSYS Connectivity Service now. The following steps are necessary for this:

### ■ Establishing an OpenVPN connection to the INSYS Connectivity Service

How to establish an OpenVPN connection to the INSYS Connectivity Service.

- OpenVPN Connect is installed on the iPad.
- The profile has been created in OpenVPN Connect.
- The iPad is connected to the Internet.

#### 1. Open OpenVPN Connect.



## Configuration

- Slide the switch behind "Connection" to the right.



- ✓ The OpenVPN connection is being established. Then, the VPN symbol is displayed in the task bar.
- ▶ *To close the connection, slide the switch behind "Connection" to the left again.*

### 3 Used Components

#### Hardware and software

Description	Manufacturer	Type	Version
Tablet	Apple	iPad 1	-
OpenVPN packet	Open Source	OpenVPN Connect	1.0 or higher
Operating system	Apple	iOS	5.1 or higher

Table 1: Used hardware and software

## 4 Further Information

### 4.1 Literature

OpenVPN

Das Praxisbuch

ISBN: 978-3-8362-1197-0

Publisher: Galileo Computing

OpenVPN

Grundlagen, Konfiguration, Praxis

ISBN: 978-3-89864-396-2

Publisher: dpunkt.verlag

### 4.2 Web Links

OpenVPN Technologies, Inc.:

<http://www.openvpn.net>

OpenVPN e.V.:

<http://www.openvpn.eu>

## 5 Symbols and Formattings

Uniform formattings and intuitive symbols are meant to help you find and read the information relevant to you. The following text explains the symbols and formattings of this publication and corresponds in its structure with the structure of this publication.

### Activity description for 1 to n operations

Use the activity target here to find out the target of this activity and the individual operations, which compose this activity. You can decide whether this activity is relevant to you.

#### ■ Operation description of 1 to n operations of an activity

Use the operation target here to find out the target of this operation. This operation target is achieved by the following numbered operation steps.

→ An arrow will indicate prerequisites which must be fulfilled to be able to process the subsequent steps in a meaningful way.

1. A single operation step describes what you need to do at this point. Arrows describe a sequence for selecting menu items → File → Print.

✓ A result which you will receive after performing an operation step will be marked with a check mark. At this point, you can check if the previous operation step(s) was or were successful.

2. An operation step describes an operation to be completed simultaneously.

3. Process all steps in the sequence of the numbering.

**i** *Additional information which you should take under consideration are marked with a circled "i". You are pointed to possible error sources and their avoidance on the one hand here; on the other hand, you will find interesting context and background information about the respective topic.*

Console dialogues (e.g. windows prompts) are highlighted in grey.

Your inputs/commands are highlighted in blue.

```
C:\Programme\OpenVPN\easy-rsa>build-key-server SERVER_1
```

▶ *Alternative results and operation steps are marked with a solid triangle pointing to the right. This will tell you how to reach the same results performing different steps, or what you could do if you didn't reach the expected results at this point.*

4. Each operation has a last step.

✓ With this, you have successfully read Symbols and Formattings.





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