Tsafe 2

How to Use TSafe2 File Security Solution to Terminal Login using PuTTY and PuTTY Private Key (PPK) File

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TSafe 2.0 File Protection for PuTTY

Using PuTTY and PuTTY Private Keys for server login are considered to be most secured way to log in to servers. They are but only to the extent of data transaction between your system and the cloud server.

But within your organization, if a unauthorized person gets hold of the PuTTY Private Key (.ppk) file he can misuse the same making the entire system more vulnerable.

Clouds like Amazon AWS, GitHUB, IBM allows PuTTY and **ppk** file to log in.

TSafe2 file Protection for PuTTY is designed especially to prevent unauthorized use of PuTTY private key files (.ppk files).

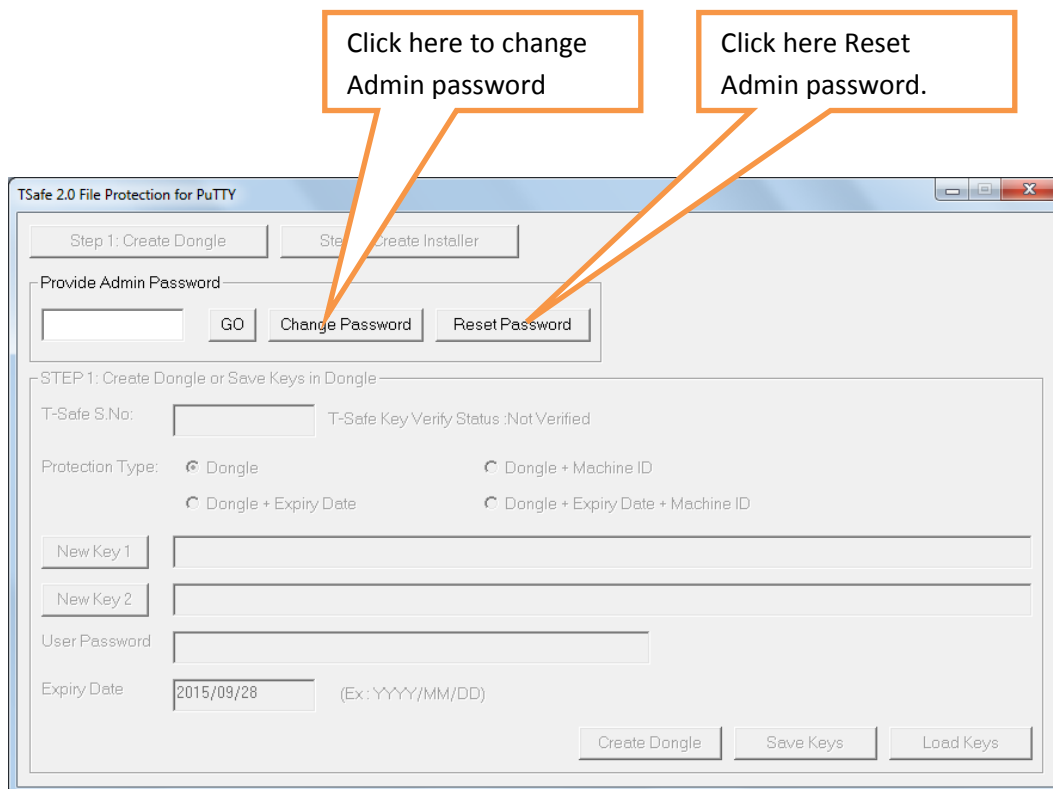Here is a brief guide on how to use TSafe2 Putty file Protection Tool.

Steps :

In just two steps, you can authorize persons to use Amazon cloud and protect the log in with USB Dongle.
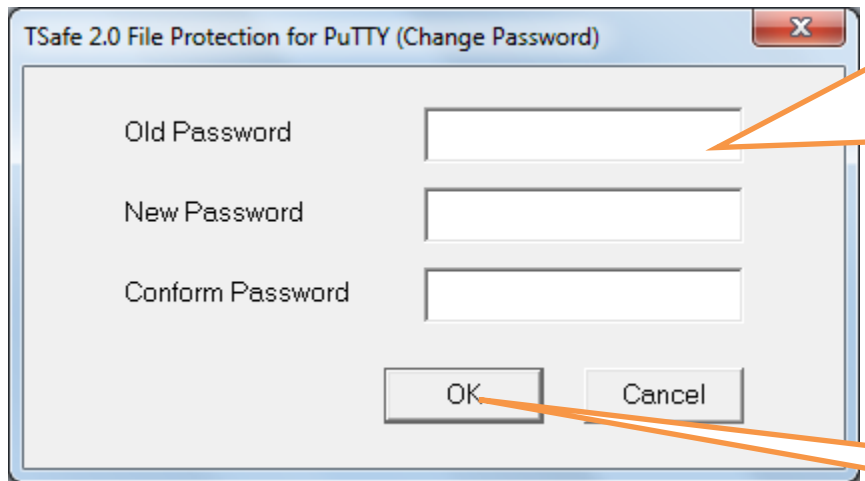
1. Create Dongle.
2. Create Installer.

STEP 1: Create Dongle

➢ Open T-Safe 2.0 File Protection for PuTTY from Program menu or desktop shortcut.

- Enter the Admin password of the dongle (Default: 123456) and press {**ENTER**} or click on {**GO**}.
- It is recommended that you change the Admin password by clicking on "Change Password".
- You can also reset the Admin password in case you forget it, by clicking on "Reset Password".
- You can reset only if you know the encryption keys saved inside and hence you must keep backup of the keys in "**TSafe2 Key**" file.
- Default Keys are randomly generated and stored in the dongles while manufacturing and hence first step should be to save keys and create the dongle with your own keys.

Click here to change Admin password

Click here Reset Admin password.

TSafe 2.0 File Protection for PuTTY (Change Password)

Old Password

New Password

Conform Password

OK   Cancel

Enter old password as default password, "123456" if your changing the password for first time.

Enter the new password and click ok
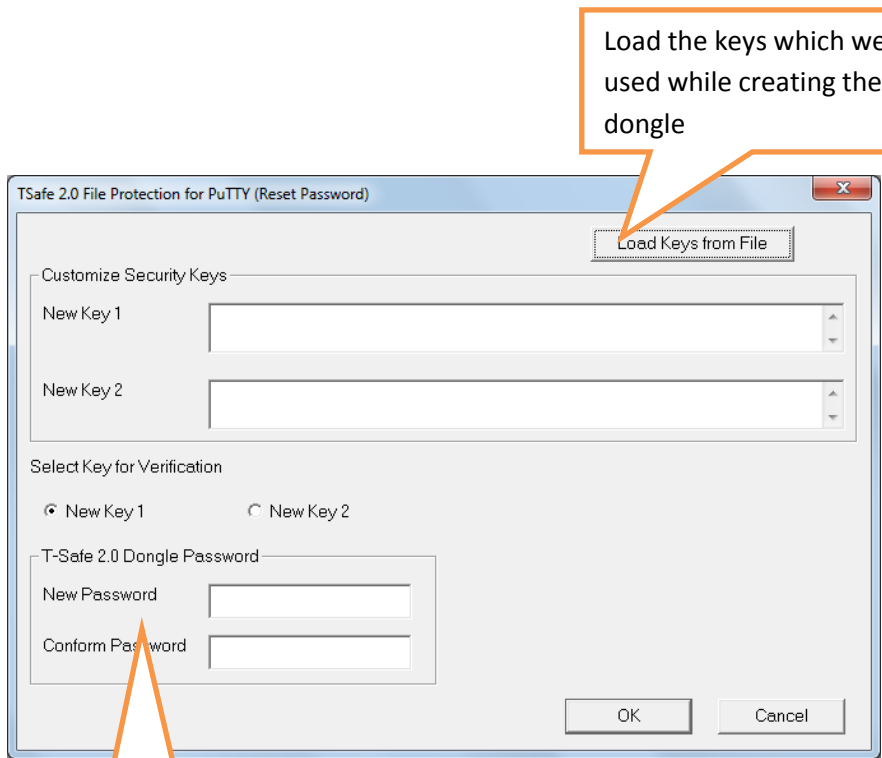
Load the keys which were used while creating the dongle

TSafe 2.0 File Protection for PuTTY (Reset Password)

Load Keys from File

Customize Security Keys

New Key 1

New Key 2

Select Key for Verification

⦿ New Key 1   ○ New Key 2

T-Safe 2.0 Dongle Password

New Password

Conform Password

OK   Cancel

Enter new password details and click "OK"

Select the Protection Type

To create a dongle first you need to select the type of protection you want to give to your Putty files.

You can give four types of protection.

1. Dongle.
2. Dongle and Expiry Date.
3. Dongle and Machine ID.
4. Dongle and Machine ID plus Expiry Date.

You need to select any one of these options according to your requirement.

1. If you select your option as '**Dongle**' then your Putty files can be used anywhere but only with the dongle.
2. If you select your option as '**Dongle + Expiry**' then the user can use your Putty files anywhere with the dongle till the date of expiry.
3. If you select your option as '**Dongle + Machine ID'** then the user can use your Putty files only in the computer or machine in which the user puts the dongle for the first time, hence it becomes unusable for other computers.
4. If you select your option as '**Dongle + Machine ID + Expiry date**' then your Putty files can be used only in the computer in which the user puts the dongle for the first and only till the date of Expiry.
   - Encryption keys **'New Key 1'** and **'New key 2'** are generated automatically, you can change them by clicking on **'New Key 1'**

and **'New key 2'** you need to save these keys on your computer for future use.

➤ Give the "User password" for User, which by default is set as "123456".

➤ Give the Expiry date, allowed only if "**Expiry Date**" is selected in "Protection Type". Else this is disabled and shows today's date.

➤ Press {**ENTER**} or Click {**Create Dongle**}.

1. Enter the Admin password and click "GO"

2.Serial number of the dongle is displayed. Note if required.

3.Select the protection type.

Click here **to save keys.**

To use existing saved keys, click here **to load keys.**

TSafe 2.0 File   or PuTTY

Step 1:   Dongle   Step 2: Create Inst

Provide Admin ssword

********   GO   Change Pass   Reset Password

STEP 1: Create Dongle or Save Keys in ongle

T-Safe S.No: 00066716   T-Safe Key Verify Status: Verified

Protection Type: ⦿ Dongle   ○ Dongle + Machine ID

○ Dongle + Expiry Date   ○ Dongle + Expiry Date + Machine ID

New Key 1   insujgacjg8168922054@IJX>XMO<J8168922054insujgacjg8168922054@IJX>XMO<JinsujgacjgINSUJGACJG8168922054

New Key 2   paofuilfeqPAOFUILFEQ5069867306paofuilfeqGDC33ICJ9NGDC33ICJ9NGDC33ICJ9NPAOFUILFEQpaofuilfeqGDC3

User Passwo   123456

Expiry Date   2015/09/28   Ex.: YYYY/MM/DD)

Create Dongle   Save Keys   Load Keys

4.Keys generated automatically, you can change them by clicking on New Key 1 and New Key 2, or you can load already saved keys, make sure that you save the keys for future use.

5.User password by default is given as "123456", you can change it. Or User can also change it later.
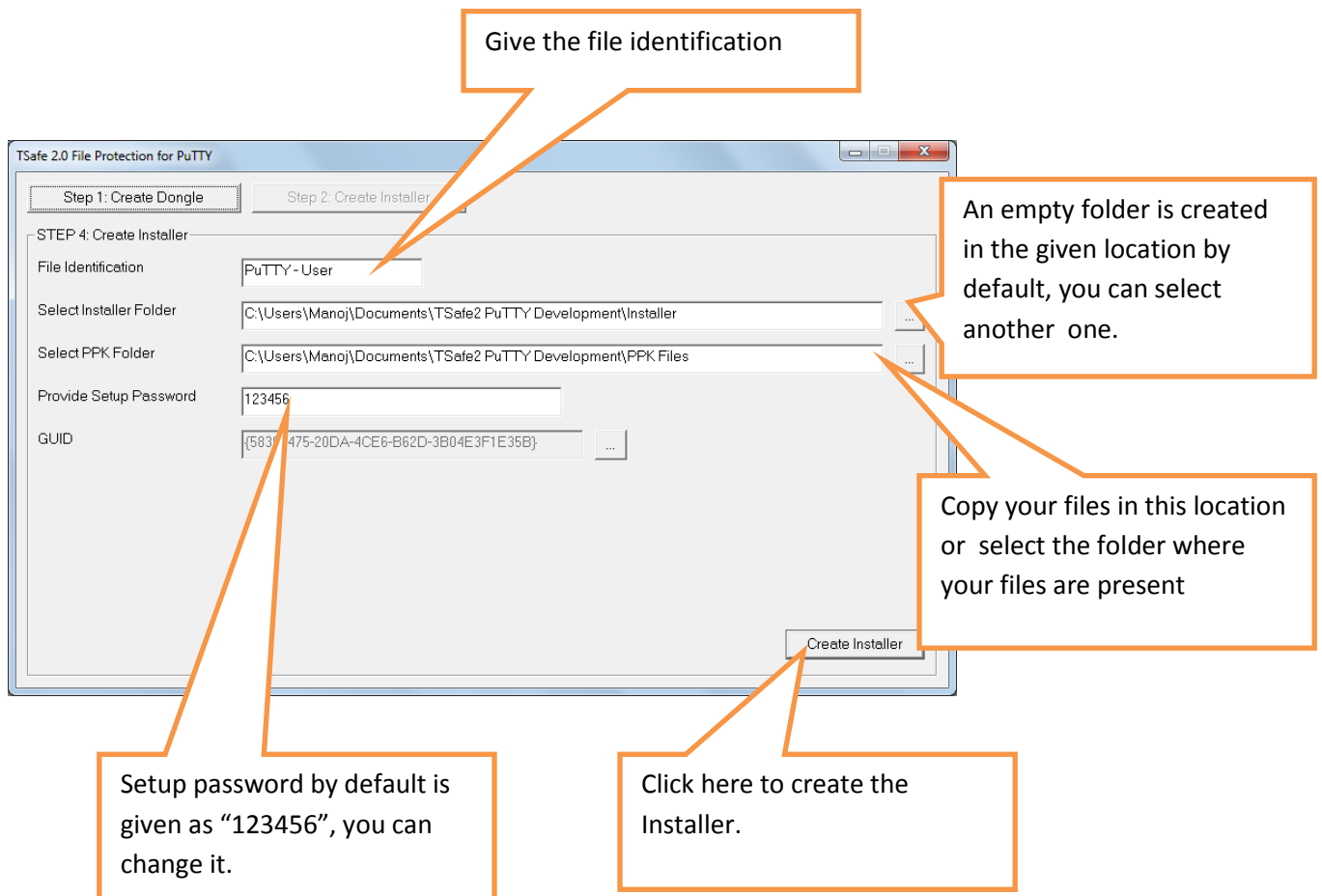
6.Click here to create dongle

Step 2 Create Installer

General Instructions:

- ➢ This step will encrypt your PPK files and include them in a installer with PuTTY software.
- ➢ You only need to give installer with TSafe2 USB Dongle to the user.
- ➢ Installer will include dot Net frame work 4.0.3 which user can install from program menu if not installed already.
- ➢ Installer will be created at:
  {Selected Folder}\Setup*.*
  (Include all files)
- ➢ TSafe2 setup will create "TSafe2 PuTTY Development" folder in your "Documents" folder with two sub folders "PPK Files" and "Installer".
- ➢ By default system will use these as default folders. You vcan select any folder of your choice.
- ➢ Before starting prepare a folder containing PPK files and a text file with instructions and details of HOST Name etc. (A sample is included in the PPK Files folder created by installer.

Operating Instructions:

- ➢ Enter **"File identification",;** This should be like **"PuTTY-{**UserName**}"**
- ➢ **Installer Folder** is given by default you can select another one, make sure that it is empty.
- ➢ **"PPK file folder"** is given by default you can select another folder in which your data to be encrypted is present or copy your files to the given default location.
- ➢ Now provide the setup password, which the user needs to enter while installation (Default is 123456).
- ➢ Press {ENTER} or click "**Create Installer"**.

Give the file identification

An empty folder is created in the given location by default, you can select another one.

Copy your files in this location or select the folder where your files are present

Setup password by default is given as "123456", you can change it.

Click here to create the Installer.

- Installer uses **InnoSetup** for creating installer.
- Installation related errors will be displayed in the **InnoSetup**.
- **InnoSetup** will also display progress.
- For more customizations refer **InnoSetup** documentation online.

Wait for Completion Message:

TSafe 2.0 File Protection for PuTTY

Process Completed. Check Inno Setup for details.

OK
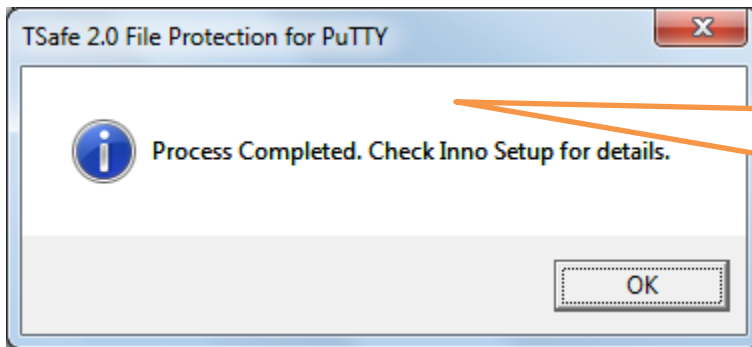
Success

Installer may take some time. Wait for Success message.

Problems in Installation ?

> ➢ If you face any problem in Installation, make sure that your internet connection is on because InnoSetup needs internet connection to download some files.
> ➢ Download InnoSetup Directly from http://www.jrsoftware.org/isdl.php choose {isetup-5.5.6.exe} or later as may be available and install.