

Dedicated Server

How can i manage SSH-Keys ?

For Linux you can upload SSH Keys in the customer panel. This allows automatic deployment of keys on servers. Today this only is possible for Dedicated and Virtual Dedicated Server, not VPS.

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Explanation

For Authentication via Public-Key you need to create a key pair locally. This creates a private and public key. The private key remains secret and nobody else should get it. It stays on the local computer. The public key is being transferred to the server and is saved in the user account. After installation you can login onto the server without a password. Only the private key is needed and if given, a password for the private key.

If you already generated a key pair, please skip to how to manage keys in the [customer panel](#).

Generate Keypair (on Client-PC)

Linux

```
root@computer:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
```

(Can be left empty, id_rsa is the default key which is used if no extra key is specified for the server you trying to connect.

See .ssh/config under <https://wiki.ubuntuusers.de/SSH/#ssh-config>

Enter passphrase (empty for no passphrase):

(Can be left empty, if you don't want to give the key an protective extra password.

Enter same passphrase again:

Your identification has been saved in /root/.ssh/id_rsa.pub.

The key fingerprint is:

SHA256:hnr78vw478RsdihHGfd98489vcxbkjcfdk benutzer@laptop

The key's randomart image is:

```
+---[RSA 2048]----+
```

```
| |
| . o . |
| |
| .O . O . o |
| |
```

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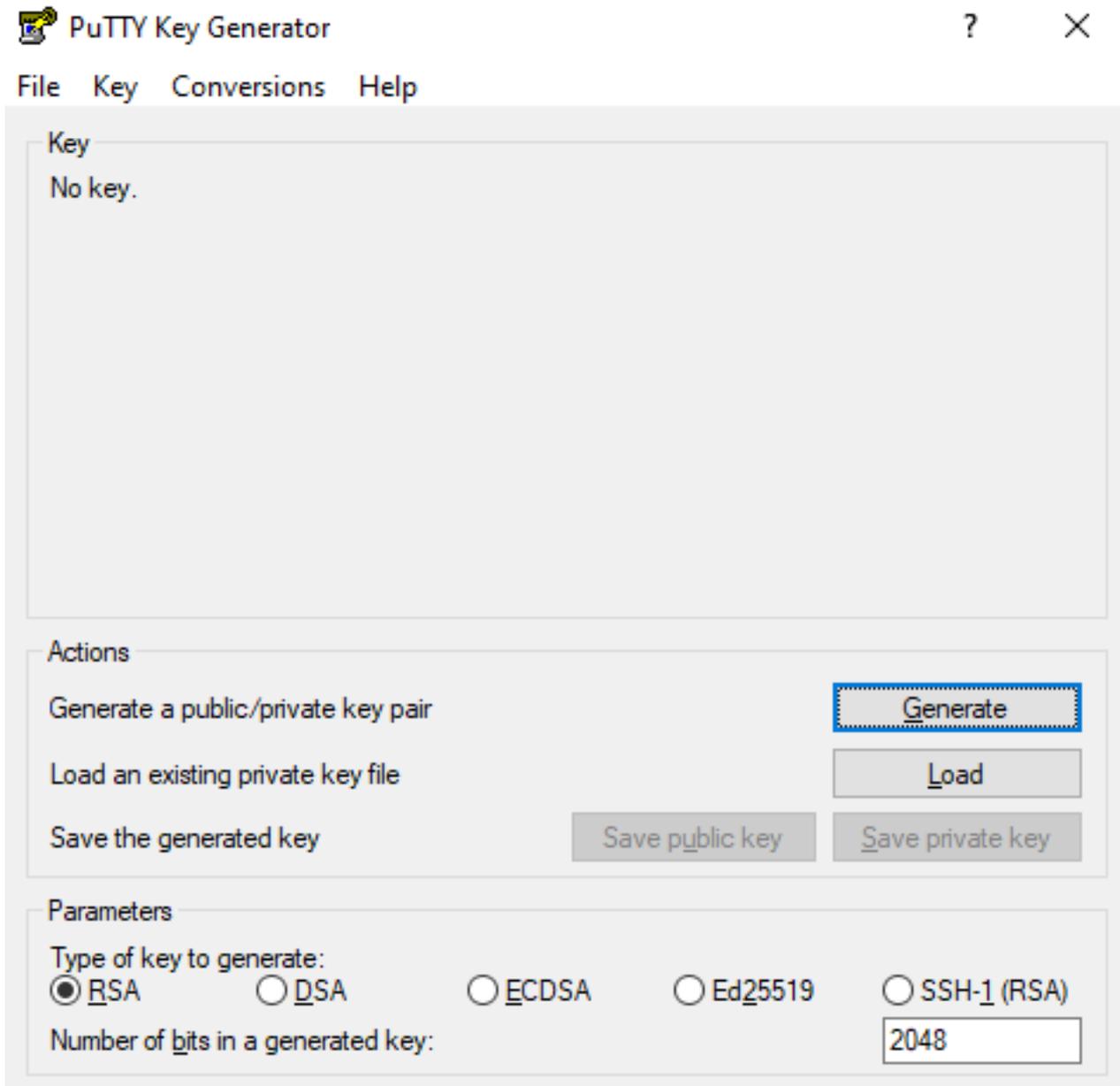
```
| .O . O . o |  
| |  
| |  
| |  
+----[SHA256]-----+
```

The contents which is relevant are being saved under `/root/.ssh/id_rsa.pub`

Windows

Download Putty:
[Putty Download](#)

Open "Puttygen" after installation:



Click on generate at Generate a public/private key pair:

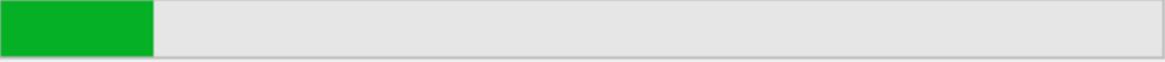
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 PuTTY Key Generator ? ×

File Key Conversions Help

Key

Please generate some randomness by moving the mouse over the blank area.



Actions

Generate a public/private key pair	<input type="button" value="Generate"/>
Load an existing private key file	<input type="button" value="Load"/>
Save the generated key	<input type="button" value="Save public key"/> <input type="button" value="Save private key"/>

Parameters

Type of key to generate:

RSA DSA ECDSA Ed25519 SSH-1 (RSA)

Number of bits in a generated key:

Move the mouse in the window in random circles until it generated enough random randomness:

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PuTTY Key Generator



File Key Conversions Help

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa AAAAB3NzaC1yc2EAAAABJQAAQEiWDbBEKokI7FmO583+JNDiV
+kgQN75rYqWZrXi9PqqHgrbnmwDBPRz/UP/CP5c6U4dmWUUiJxpUXx
+6AIST7T7S30dGwGpeEomgWYgiLgPH8Neq9njuVDWMKdv/r3WggptOWDNyAsmg
2NHTjOUOPP Acof7mWfacTnLB0ykMl+J26KoyDj8G2sHpo
+HMvEAtxGisFJU6T7TTJc51qofYjZjAzJh2eeTear6WpJMCsck3fsOxzJamm6GumR5S
```

Key fingerprint: ssh-rsa 2048 0b:53:a7:58:69:d9:9d:13:bb:78:a4:b7:7d:0e:01:e7

Key comment: rsa-key-20210505

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair Generate

Load an existing private key file Load

Save the generated key Save public key Save private key

Parameters

Type of key to generate:
 RSA DSA ECDSA Ed25519 SSH-1 (RSA)

Number of bits in a generated key: 2048

Public Key:

The important part is the public key. You can find it in the top there it says "Public key for pasting into OpenSSH authorized_keys file:"

Copy the block (important: more lines than you can see without scrolling). This block is important for the customer panel.

Saving via the button "Save public key" is not meant for linux, it is a format only for putty itself.

Private Key:

Now there are two important formats.

To save the private key in OpenSSH format(compatible with linux clients), click at the top on Conversions and then "Export OpenSSH Key"

To generate the private key for the use with Putty with a windows client, click at "Save private key" in the bottom. It saves a .ppk file. This is for putty.

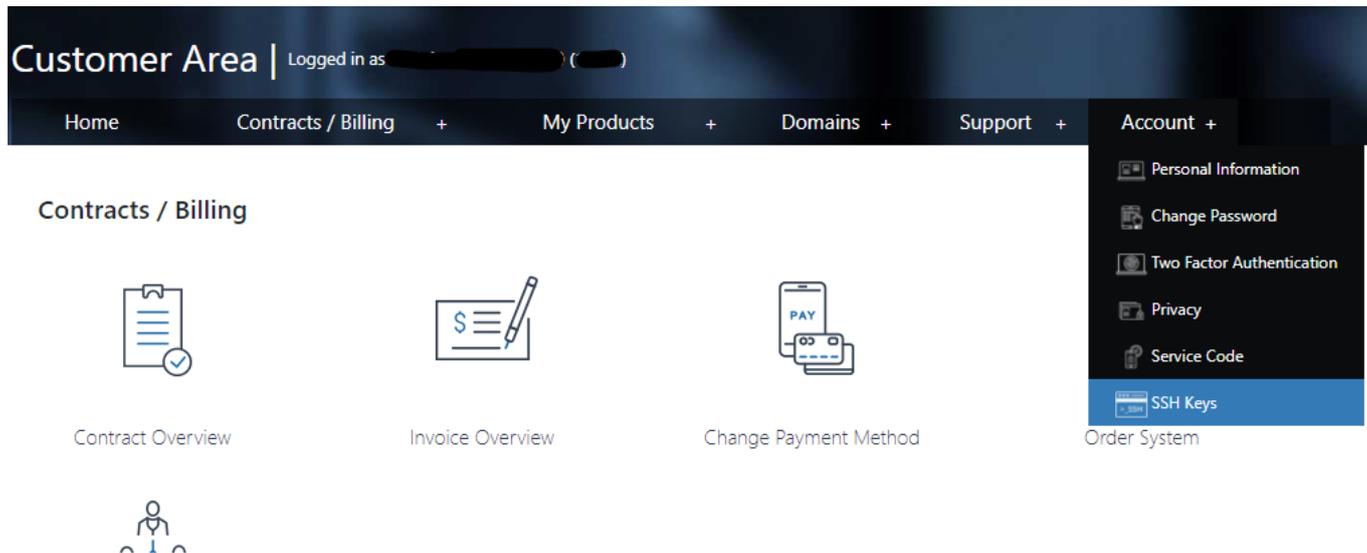
On how to connect follow this how to:

[myLoc managed IT AG - FAQ - How do I connect to my Linux server ?](#)

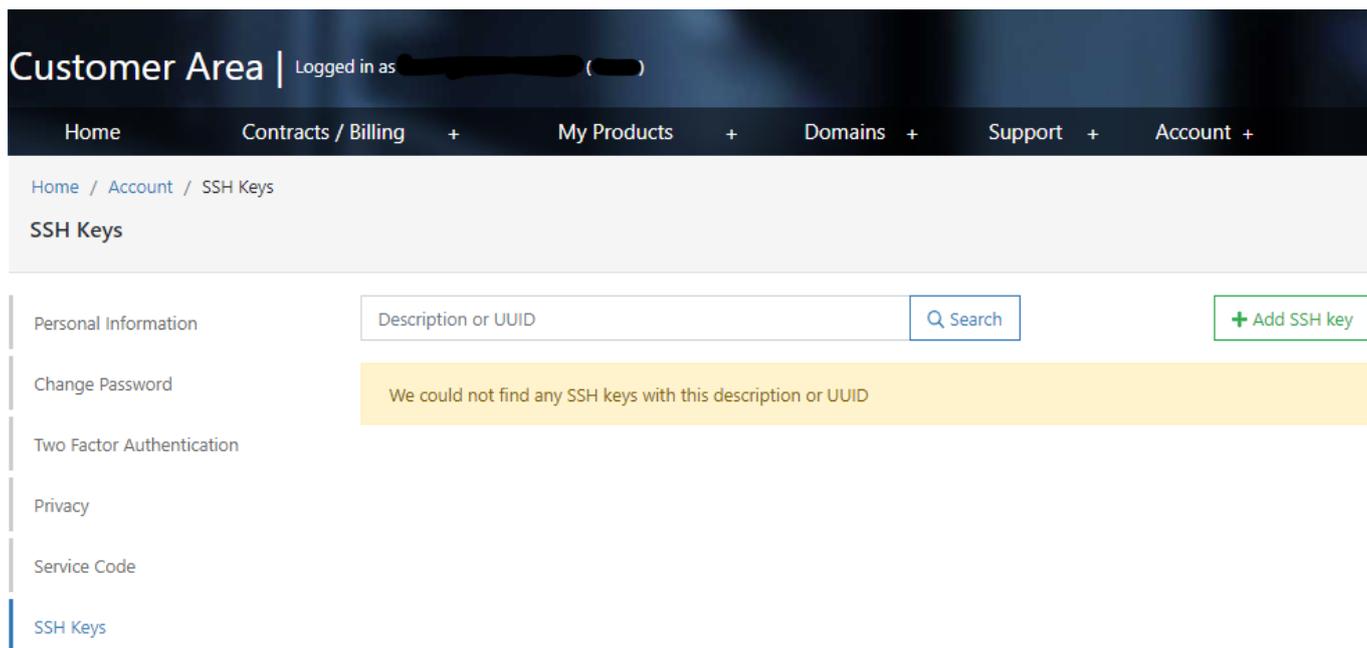
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Manage key in the customer panel

You can find the feature under personal data, SSH Keys:



In the beginning it is empty. First click on Add SSH Key:



Functions

They keys can be "standard"-key, this means that default every contract or single contracts get the key.

You can also add keys to sub-user.

Sub-user also have the opportunity to manage keys, but they can not add this key as "default" key or add them for other sub-users.

Sub-user also can only add keys to the contracts they got access to.

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Sub-user Sub-User can create keys but you as the direct customer can completely manage the keys of your sub-users.

Procedere

Give the key a unique description and add the public key which was copied from puttygen (Windows) or ssh-keygen (Linux) before into the field "key". Choose the contract or sub-user in the lower part. They key is added during the (re)installation process of the server.

The screenshot shows the 'Customer Area' interface. At the top, there is a navigation bar with links for Home, Contracts / Billing, My Products, Domains, Support, and Account. Below this is a breadcrumb trail: Home / Account / SSH Keys / Add SSH key. The main heading is 'SSH Keys'. On the left, there is a sidebar menu with options: Personal Information, Change Password, Two Factor Authentication, Privacy, Service Code, and SSH Keys. The main content area has a 'Description' field and a 'Key' field. Below these fields is a checkbox labeled 'Mark as default' with a note: 'A SSH Key marked as default will automatically assigned to any future contract. Furthermore, it will be added to each existing contract if it happens to be (re-)installed.' There are four selection lists: 'Available contracts' (Showing all 3) with a filter and three items: fuchsia.fastwebservice.de, fuchsia.servdiscount-customer.com, and fuchsia.dedi.server-hosting.expert; 'Selected contracts' (Empty list) with a filter; 'Available sub-users' (Empty list) with a filter; and 'Selected sub-users' (Empty list) with a filter.

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Unique solution ID: #1545

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Last update: 2021-11-19 09:22