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Setup SSH without password

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by Martin King



If you find enter password for ssh is irritating, then you may [setup ssh](#) without password. With public key authentication, you can ssh without password and it will auto login to the server once you key in the ssh command. The authentication is done via the public key that you generate from your computer and do not let others have your public key.

In this example, i'm going to use DSA (Digital Signature Algorithm) for key generation.

To setup SSH without password, follow the steps below:-

- First check if you have generated any DSA key in your **client side** .ssh folder

```
$ cd ~/.ssh
$ ls -l
```

If you see any of the file name shown below, then you already have the key, you can skip the next steps (DSA key generation).

```
id_dsa
id_dsa.pub
```

Enter the command below to generate the DSA key at the **client side**

```
$ ssh-keygen -t dsa
```

and you will see sth like below. just leave everything blank and press Enter all the way till it end.

```
Generating public/private dsa key pair.
Enter file in which to save the key (/home/urname/.ssh/id_dsa):
Created directory '/home/a/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/urname/.ssh/id_dsa.
Your public key has been saved in /home/urname/.ssh/id_dsa.pub.
The key fingerprint is:
4e:3f:05:78:3f:9e:97:6c:3b:ad:e8:58:37:bd:35:d4 urname@yourmachine
```

Now transfer your DSA public key from **client** to the server using the command below:

```
$ scp ~/.ssh/id_dsa.pub remoteuser@remotemachine:.ssh/myid_dsa.pub
```

Now, login to the **remote machine** and make sure the .ssh folder is at right permission:

```
$ chmod 700 ~/.ssh
```

At the **remote machine**, append the myid_dsa.pub to authorized_keys and remove the original key.

```
$ cat myid_dsa.pub >> ~/.ssh/authorized_keys
$ rm myid_dsa.pub
```

TRANSLATION

English

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
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
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