

## FreeBSD Administration - Feature #842

### Key-Based Authentication with OpenSSH

08/20/2016 05:05 PM - Daniel Curtis

<b>Status:</b>	Closed	<b>Start date:</b>	08/21/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Daniel Curtis	<b>% Done:</b>	100%
<b>Category:</b>	SSH Server	<b>Estimated time:</b>	0.50 hour
<b>Target version:</b>	FreeBSD 10	<b>Spent time:</b>	0.50 hour

#### Description

This is a short guide on setting up OpenSSH to use only key-based authentication on FreeBSD 10.3.

### Prepare the Environment

- Make sure the system is up to date:

```
pkg update && pkg upgrade
```

### Prepare the Client

- Change into the non-root user:

```
su - bob
```

- Create a SSH key pair:

```
ssh-keygen -t ed25519
```

- Copy the SSH key to the remote SSH server:

```
ssh-copy-id bob@ssh.example.com
```

- *(Optional)* If the ssh-copy-id command does not exist on the client machine, run the following to use ssh only:

```
cat ~/.ssh/id_ed25519.pub | ssh bob@ssh.example.com "mkdir -p ~/.ssh && cat >> ~/.ssh/authorized_keys"
```

### Prepare the Server

- ssh into the remote server:

```
ssh bob@ssh.example.com
```

- Edit the sshd config:

```
sudo vi /etc/ssh/sshd_config
```

- And modify the following values:

```
PasswordAuthentication no  
ChallengeResponseAuthentication no
```

- Restart the ssh server to apply the changes:

```
service sshd restart
```

## Resources

- <https://www.digitalocean.com/community/tutorials/how-to-configure-ssh-key-based-authentication-on-a-linux-server>
- <https://www.digitalocean.com/community/tutorials/how-to-configure-ssh-key-based-authentication-on-a-freebsd-server>

## History

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**#1 - 08/21/2016 03:08 PM - Daniel Curtis**

- Status changed from *New* to *Resolved*

- % Done changed from *0* to *100*

**#2 - 09/12/2016 07:29 PM - Daniel Curtis**

- Status changed from *Resolved* to *Closed*