FreeBSD Administration - Feature #842

Key-Based Authentication with OpenSSH

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

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

#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