

ALOHA LOAD BALANCER

SSH PUBLIC KEY ACCESS

"APPNOTE" #0048 — SSH PUBLIC KEY ACCESS

This application note is intended to help you to configure get access to the Aloha through SSH using your public key.

PURPOSE

Be able to remotely access to the Aloha load-balancer without typing a password.

COMPLEXITY



VERSIONS CONCERNED

V 3.6 and above

DIAGRAM

Standard SSH access, as bellow:



CONTEXT

The client uses SSH to get connected to the Aloha.

CLIENT SIDE CONFIGURATION

LINUX HOST

To do only if you don't currently have a SSH key.

1. Generate the key pair with the command `ssh-keygen -t rsa`:

```
user:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/user/.ssh/id_rsa):
Created directory '/home/user/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/user/.ssh/id_rsa.
Your public key has been saved in /home/user/.ssh/id_rsa.pub.
The key fingerprint is:
9a:1a:37:da:11:0b:9f:0e:fb:e8:b4:93:46:f8:3d:ec user@krusty
The key's randomart image is:
+--[ RSA 2048]-----+
|
|
|
|
|   . . . S
|  . . o *
|   o++X
|  .=%+o
|   oB+E.
+-----+

```

Since our purpose is to get connected to the Aloha without typing anything, we don't enter a passphrase.



Bear in mind that if somebody manage to steal your private Key, then he would be able to get connected to the Aloha too.

2. Upload your pubic key to the Aloha:

```
user:~$ scp .ssh/id_rsa.pub admin@192.168.0.100:/tmp/
admin@192.168.0.100's password:
id_rsa.pub                                100% 393      0.4KB/s   00:00

```

ALOHA CONFIGURATION

1. Get connected on the Aloha through SSH:

```
user:~$ ssh admin@192.168.0.100
admin@192.168.0.100's password:
admin@ALOHA1:~$
```

2. Get root access:

```
admin@ALOHA1:~$ root
```

3. Copy the user's public key into authorized keys dir:

```
root@ALOHA1:~# cp /tmp/id_rsa.pub /etc/ssh/authorized_keys/admin
```

To add a key, just concatenate it to the end of the file:

```
root@ALOHA1:~# cat /tmp/id_rsa.pub >> /etc/ssh/authorized_keys/admin
```