

# SETTING IPA SERVER ON CENTOS

## [centralized authentication system]

### steps for installing ipa server:

#### step1: setting up a static ip address for the server and the host

1) In this lab the server address is 192.168.0.6  
and the client address is 192.168.0.8

[see the ip address section for the process of giving a static  
ip address]

#### step2: set a static host name of the server using 'hostnamectl' command

**[server]**

- 1) => hostnamectl set-hostname "ipa.test.system"
- 2) => exec bash

**[client]**

- 1) => hostnamectl set-hostname "client1.test.system"
- 2) => exec bash

### **step3: edit the "/etc/hosts" of the client**

=> vim /etc/hosts

[add this line

192.168..0.8 client1.test.system client1

192.168.0.6 ipa.test.system ipa

]

### **step4: test with ping commnad**

1)=> ping client1.test.system

2)=> ping ipa.test.system

### **step5: update the server repository**

1) => yum update -y

### **step6: install "free-ipa" packages in client machine**

[client]

1) => yum install freeipa-client -y

### **step7: install "free-Ipa" packages in server machine**

[server]

1) => yum install ipa-server ipa-server-dns -y

## **step8: install IPA server in server machine**

[server]

1) => ipa-server-install

8-1: Do you want to configure integrated DNS?

=>yes

8-2: Server Host name [ipa.test.system]

=>[Enter]

8-3: Please confirm Domain name [test.system]?

=>[Enter]

8-4: Please provide a realm name [TEST.SYSTEM]?

=>[Enter]

8-5: Directory manager password?

=><give\_a\_password>

example: admin@ipa

8-6: IPA admin Password?

=><give\_a\_password>

example: admin@redhat

8-7: Do you want to configure DNS Forwarders?

=>yes

8-8: Do you want these servers as DNS Forwarders?

=>yes

8-9: Do you want to search for missing reverse zone?

=>no

8-10: Continue to configure the system with these values?

=>yes

## **step9: Configure users Home Directory and firewall**

[server]

1) => authconfig --enablemkhomedir --update

### **step10: adding service to firewall**

1) => firewall-cmd --permanent --add-service='freeipa-ldap'

2) => firewall-cmd --reload

### **step11: checking if everything running**

1) => ipactl status

### **step12: initialize the admin user [varify weather the admin user get token from the kerberos]**

#### **[server]**

1) => kinit admin

[password: [admin@redhat](#)] [same password for installation during FreeIPA]

2) => klist

### **step13: adding client to the domain**

#### **[client]**

1) => ipa-client-install --mkfomedir --server=ipa.test.system --domain test.system --realm TEST.SYSTEM --force-ntp --ssh-trust-dns

13-1:

Proceed with fixed values and no DNS discovery?

=>yes

13-2:

Continue to configure the system with these values?

=>yes

**step14: logout the server and login with admin domain**  
**[server]**

username: [admin@test.system](#)

password: [admin@redhat](#) /<admin\_password>

**step15: check the user**  
**[server]**

=>whoami

**step16: Go to the administration page**  
**[server]**

**[go to web browser to url “<http://ipa.test.system>”]**

**step16: create a user in the administrationpage**  
**[server]**

**username:** <give a username> / ex: ipa1

**Firstname:** ipa

**lastname :** user1

**password :** <give\_password> /ex: redhat@ipa1

**step16: go to the client machine and login with new user credential**

username: <username> ex:ipa1

password: <password\_for\_the\_user> ex:redhat@ipa1