

```
[root@ipa-replica carlos]# vi /etc/resolv.conf
```

```
search example.com
```

```
nameserver 192.168.100.200
```

```
nameserver 192.168.100.205
```

```
[root@ipa-client02 carlos]# dig example.com.
```

```
;<<>> DiG 9.9.4-RedHat-9.9.4-38.el7_3.2 <<>> example.com.
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 22803
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 4, ADDITIONAL: 5

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 4096
;; QUESTION SECTION:
;example.com.                IN      A

;; ANSWER SECTION:
example.com.                86400  IN     A      192.168.100.201
example.com.                86400  IN     A      192.168.100.205
example.com.                86400  IN     A      192.168.100.202
example.com.                86400  IN     A      192.168.100.200

;; AUTHORITY SECTION:
example.com.                86400  IN     NS     ipa-client02.example.com.
example.com.                86400  IN     NS     ipa-replica.example.com.
example.com.                86400  IN     NS     ipa-server.example.com.
example.com.                86400  IN     NS     ipa-client01.example.com.

;; ADDITIONAL SECTION:
ipa-server.example.com.    86400  IN     A      192.168.100.200
ipa-replica.example.com.  86400  IN     A      192.168.100.205
ipa-client01.example.com. 86400  IN     A      192.168.100.201
ipa-client02.example.com. 86400  IN     A      192.168.100.202

;; Query time: 1 msec
;; SERVER: 192.168.100.200#53(192.168.100.200)
;; WHEN: jue feb 23 19:32:28 CET 2017
;; MSG SIZE rcvd: 273
```

```
[root@ipa-client02 carlos]# dig -x 192.168.100.205
```

```
;<<>> DiG 9.9.4-RedHat-9.9.4-38.el7_3.2 <<>> -x 192.168.100.205
;; global options: +cmd
```

```
:: Got answer:
:: ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 49481
:: flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 4, ADDITIONAL: 5

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags::; udp: 4096
;; QUESTION SECTION:
;205.100.168.192.in-addr.arpa.      IN      PTR

;; ANSWER SECTION:
205.100.168.192.in-addr.arpa. 86400 IN      PTR      ipa-replica.example.com.

;; AUTHORITY SECTION:
100.168.192.in-addr.arpa. 86400 IN      NS       ipa-server.example.com.
100.168.192.in-addr.arpa. 86400 IN      NS       ipa-client02.example.com.
100.168.192.in-addr.arpa. 86400 IN      NS       ipa-replica.example.com.
100.168.192.in-addr.arpa. 86400 IN      NS       ipa-client01.example.com.

;; ADDITIONAL SECTION:
ipa-server.example.com.      86400 IN      A        192.168.100.200
ipa-replica.example.com.    86400 IN      A        192.168.100.205
ipa-client01.example.com.    86400 IN      A        192.168.100.201
ipa-client02.example.com.    86400 IN      A        192.168.100.202

;; Query time: 1 msec
;; SERVER: 192.168.100.200#53(192.168.100.200)
;; WHEN: jue feb 23 20:01:33 CET 2017
;; MSG SIZE rcvd: 251
```

```
[root@ipa-client02 carlos]# yum install ipa-client ipa-admintools
```

```
[root@ipa-client02 carlos]# ipa-client-install --enable-dns-updates --configure-firefox
```

DNS discovery failed to determine your DNS domain

Provide the domain name of your IPA server (ex: example.com): example.com

Provide your IPA server name (ex: ipa.example.com): ipa-server.example.com

The failure to use DNS to find your IPA server indicates that your resolv.conf file is not properly configured.

Autodiscovery of servers for failover cannot work with this configuration.

If you proceed with the installation, services will be configured to always access the discovered server for all operations and will not fail over to other servers in case of failure.

Proceed with fixed values and no DNS discovery? [no]: yes

Client hostname: ipa-client02.example.com

Realm: EXAMPLE.COM

DNS Domain: example.com

IPA Server: ipa-server.example.com

BaseDN: dc=example,dc=com

Continue to configure the system with these values? [no]: yes

Synchronizing time with KDC...

Attempting to sync time using ntpd. Will timeout after 15 seconds

Unable to sync time with NTP server, assuming the time is in sync. Please check that 123 UDP port is opened.

User authorized to enroll computers: admin

Password for admin@EXAMPLE.COM:

Successfully retrieved CA cert

Subject: CN=Certificate Authority,O=EXAMPLE.COM

Issuer: CN=Certificate Authority,O=EXAMPLE.COM

Valid From: Thu Feb 23 12:21:12 2017 UTC

Valid Until: Mon Feb 23 12:21:12 2037 UTC

Enrolled in IPA realm EXAMPLE.COM

Created /etc/ipa/default.conf

New SSSD config will be created

Configured sudoers in /etc/nsswitch.conf

Configured /etc/sss/sss.conf

Configured /etc/krb5.conf for IPA realm EXAMPLE.COM

trying https://ipa-server.example.com/ipa/json

Forwarding 'schema' to json server 'https://ipa-server.example.com/ipa/json'

trying https://ipa-server.example.com/ipa/session/json

Forwarding 'ping' to json server 'https://ipa-server.example.com/ipa/session/json'

Forwarding 'ca\_is\_enabled' to json server 'https://ipa-server.example.com/ipa/session/json'

Systemwide CA database updated.

Failed to update DNS records.

Adding SSH public key from /etc/ssh/ssh\_host\_rsa\_key.pub

Adding SSH public key from /etc/ssh/ssh\_host\_ecdsa\_key.pub

Adding SSH public key from /etc/ssh/ssh\_host\_ed25519\_key.pub

Forwarding 'host\_mod' to json server 'https://ipa-server.example.com/ipa/session/json'

Could not update DNS SSHFP records.

SSSD enabled

Configured /etc/openldap/ldap.conf

No SRV records of NTP servers found. IPA server address will be used

NTP enabled

Configured /etc/ssh/ssh\_config

Configured /etc/ssh/sshd\_config

Firefox configuration skipped (Firefox not found).

Configuring example.com as NIS domain.

Client configuration complete.

Identity Management – Mozilla Firefox

4.5. Creating the Rep... Identity Management Problema al cargar la ...

https://ipa-server.example.com/ipa/ui/#/e/host/search

freelIPA Administrator

Identity Policy Authentication Network Services IPA Server

Users User Groups **Hosts** Host Groups Netgroups Services Automember

### Hosts

Search  Refresh Delete Add Actions

<input type="checkbox"/>	Host name	Description	Enrolled
<input type="checkbox"/>	ipa-client01.example.com		True
<input type="checkbox"/>	ipa-client02.example.com		True
<input type="checkbox"/>	ipa-replica.example.com		True
<input type="checkbox"/>	ipa-server.example.com		True

Showing 1 to 4 of 4 entries.

Identity Management – Mozilla Firefox

4.5. Creating the Rep... Identity Management Problema al cargar la ...

https://ipa-server.example.com/ipa/ui/#/p/topology-graph

freelIPA Administrator

Identity Policy Authentication Network Services **IPA Server**

Role Based Access Control ID Ranges ID Views Realm Domains **Topology** API browser Configuration

Topology

- Topology suffixes
- IPA Servers
- Server Roles
- Domain Level
- Topology Graph**
- IPA Locations

### Topology Graph

Refresh Add Delete

ca

domain

```
graph TD; ipa-server((ipa-server)) --> ipa-replica((ipa-replica));
```