

Trabalho DNS Ruben Tomas

1.

Zone Name


What is the name of the new zone?

The zone name specifies the portion of the DNS namespace for which this server is authoritative. It might be your organization's domain name (for example, microsoft.com) or a portion of the domain name (for example, newzone.microsoft.com). The zone name is not the name of the DNS server.

Zone name:

tesla.local

Select the type of dynamic updates you want to allow:

- ☐ Allow only secure dynamic updates (recommended for Active Directory)
This option is available only for Active Directory-integrated zones.
- ☐ Allow both nonsecure and secure dynamic updates
Dynamic updates of resource records are accepted from any client.
 This option is a significant security vulnerability because updates can be accepted from untrusted sources.
- ☒ Do not allow dynamic updates
Dynamic updates of resource records are not accepted by this zone. You must update these records manually.

1.1

New Host

Name (uses parent domain name if blank):

WEB

Fully qualified domain name (FQDN):

WEB.tesla.local.

IP address:

172.16.0.1

☐ Create associated pointer (PTR) record

☐ Allow any authenticated user to update DNS records with the same owner name

Add Host

Cancel

1.2

General	Start of Authority (SOA)	Name Servers
Serial number:		
<input type="text" value="1"/>		<input type="button" value="Increment"/>
Primary server:		
<input type="text" value="servidor1.iefp.pt."/>		<input type="button" value="Browse..."/>
Responsible person:		
<input type="text" value="hostmaster.iefp.pt."/>		<input type="button" value="Browse..."/>
Refresh interval:	<input type="text" value="30"/>	minutes <input type="button" value="v"/>
Retry interval:	<input type="text" value="10"/>	minutes <input type="button" value="v"/>
Expires after:	<input type="text" value="1"/>	days <input type="button" value="v"/>

1.3

TTL for this record: (DDDDD:HH.MM.SS)

1.4

New Resource Record

Alias (CNAME)

Alias name (uses parent domain if left blank):

Fully qualified domain name (FQDN):

Fully qualified domain name (FQDN) for target host:


☐ Allow any authenticated user to update all DNS records with the same name. This setting applies only to DNS records for a new name.

- 2.
- 3.

New Zone Wizard

Reverse Lookup Zone Name

A reverse lookup zone translates IP addresses into DNS names.



To identify the reverse lookup zone, type the network ID or the name of the zone.

☒ Network ID:

172.16. . .

The network ID is the portion of the IP addresses that belongs to this zone. Enter the network ID in its normal (not reversed) order.

If you use a zero in the network ID, it will appear in the zone name. For example, network ID 10 would create zone 10.in-addr.arpa, and network ID 10.0 would create zone 0.10.in-addr.arpa.

☐ Reverse lookup zone name:

16.172.in-addr.arpa

< Back

Next >

Cancel

3.1

New Resource Record

Pointer (PTR)

Host IP Address:

172.16.0.1

Fully qualified domain name (FQDN):

1.0.16.172.in-addr.arpa

Host name:

WEB.tesla.local

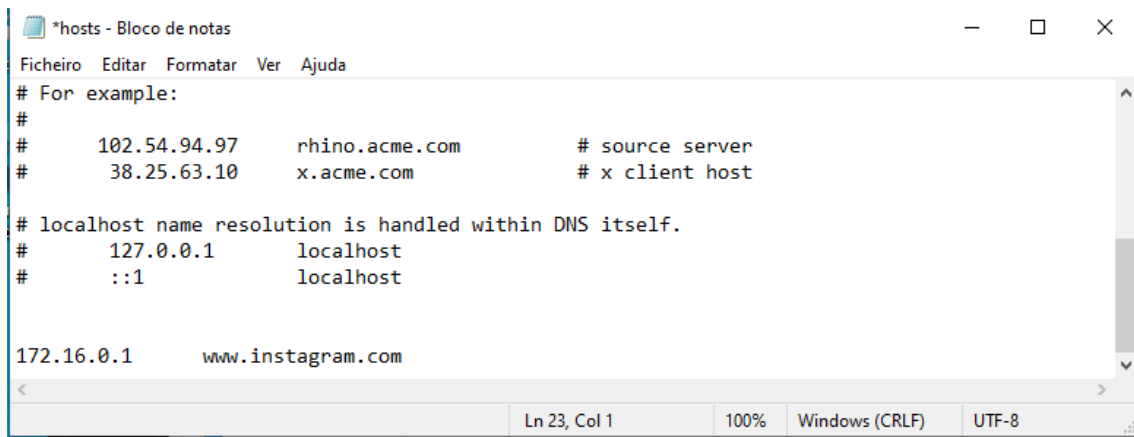
Browse...

☐ Allow any authenticated user to update all DNS records with the same name. This setting applies only to DNS records for a new name.

OK

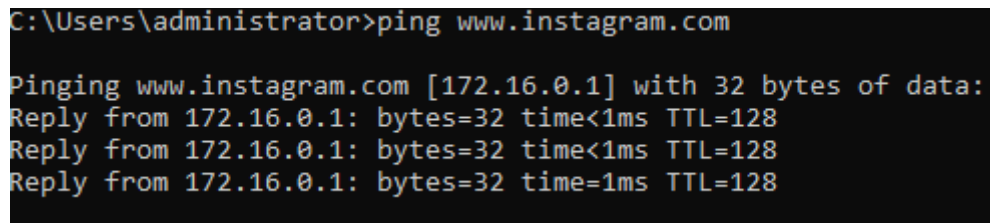
Cancel

4.1



```
*hosts - Bloco de notas
Ficheiro  Editar  Formatar  Ver  Ajuda
# For example:
#
#      102.54.94.97      rhino.acme.com      # source server
#      38.25.63.10      x.acme.com          # x client host
#
# localhost name resolution is handled within DNS itself.
#      127.0.0.1        localhost
#      ::1              localhost
#
172.16.0.1      www.instagram.com
Ln 23, Col 1    100%    Windows (CRLF)    UTF-8
```

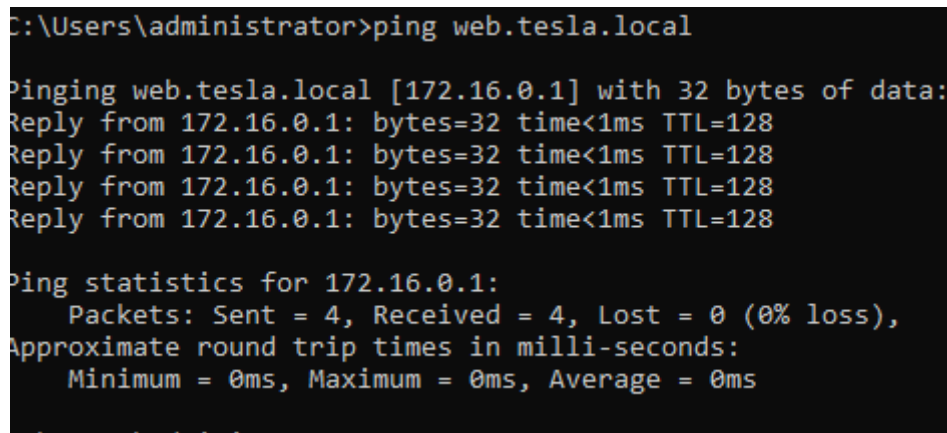
4.2



```
C:\Users\administrator>ping www.instagram.com

Pinging www.instagram.com [172.16.0.1] with 32 bytes of data:
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128
Reply from 172.16.0.1: bytes=32 time=1ms TTL=128
```

4.3

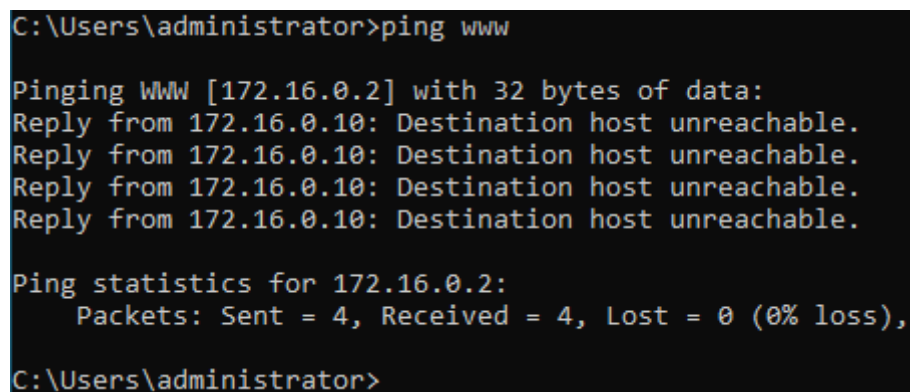


```
C:\Users\administrator>ping web.tesla.local

Pinging web.tesla.local [172.16.0.1] with 32 bytes of data:
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

4.4



```
C:\Users\administrator>ping www

Pinging WWW [172.16.0.2] with 32 bytes of data:
Reply from 172.16.0.10: Destination host unreachable.
Reply from 172.16.0.10: Destination host unreachable.
Reply from 172.16.0.10: Destination host unreachable.
Reply from 172.16.0.10: Destination host unreachable.

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

C:\Users\administrator>
```