

## DNS Gadgets

## DNS Gadgets

The following gadgets are available to support DNS.

- DNS Gadgets
  - DNS Gadget
  - DNS Autogenerator
    - Enabling the DNS Autogenerator
    - Before you Begin
    - Working with the DNS Autogenerator

## DNS Gadget

This gadget is used on the Resource Holder section type. The DNS Gadget shows zones that have the current Resource Holder set as their parent, and provides links to the zone's View Zone page.

DNS		
Zone Records	Entries	
citi.com.	1	
testadd2.com.	1	

To go to the View Zone page, you may either click on the zone name, or click on the Action Menu (gear icon) and select "View Zone".

For more information on DNS functions and managing zones, refer to the documentation for the [DNS Tab](#).

## DNS Autogenerator

The DNS Autogenerator Gadget uses a Hostname to generate a list of DNS forward and reverse zone entries based on the blocks assigned to the resource in the IPAM Gadget. It will generate a list of potential zone records - just select the ones you want to create, save the changes and you are ready to push the zones.

### DNS Autogenerator

#### Records

The system found 1 ip netblock(s).

**Subdomain**

**DNS Group**  

Select DNS Group (required)

Selected blocks (highlighted green) will be used. Click on blocks to deselect.

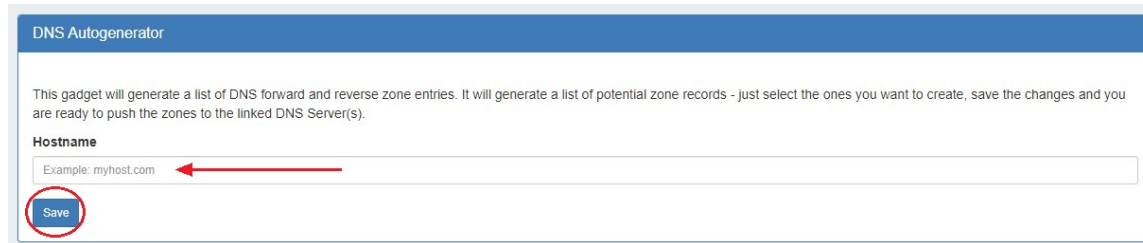
24.216.37.36/30 (24.216.37.36,24.216.37.39)  
IP Addresses 4  
Forward zone: test.com.  
Reverse zone: 37.216.24.in-addr.arpa.  
Record: \$1.37.216.24.test.com. points to 24.216.37.(36-39)  
PTR Record {36-39}.37.216.24.in-addr.arpa. points to \$1.37.216.24.test.com.

Save

## Enabling the DNS Autogenerator

To set up this gadget, ensure that the section of the resource has the DNS Autogenerator Gadget added to the section. (See: [Customizing Sections](#)).

Once the gadget is added to the resource, enter a Hostname and click "Save".



**DNS Autogenerator**

This gadget will generate a list of DNS forward and reverse zone entries. It will generate a list of potential zone records - just select the ones you want to create, save the changes and you are ready to push the zones to the linked DNS Server(s).

**Hostname**

Example: myhost.com

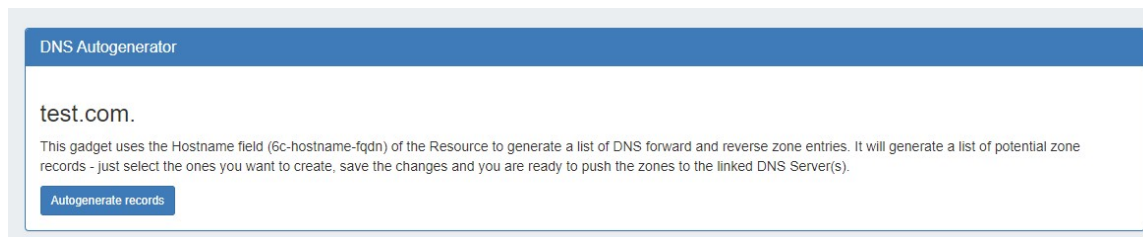
**Save**

## Before you Begin

Before starting, check that the blocks assigned to the resource in the IPAM Gadget are correct and up-to-date - the Autogenerator uses these blocks to create the records. If using a DNS group other than "Default" to hold zones, ensure that the desired DNS group to hold the generated records has been set up. (See: [Working with DNS Groups](#)).

## Working with the DNS Autogenerator

One enabled and a Hostname attached, the DNS Autogenerator Gadget will initially show a short description, the hostname, and a button to "Autogenerate Records".



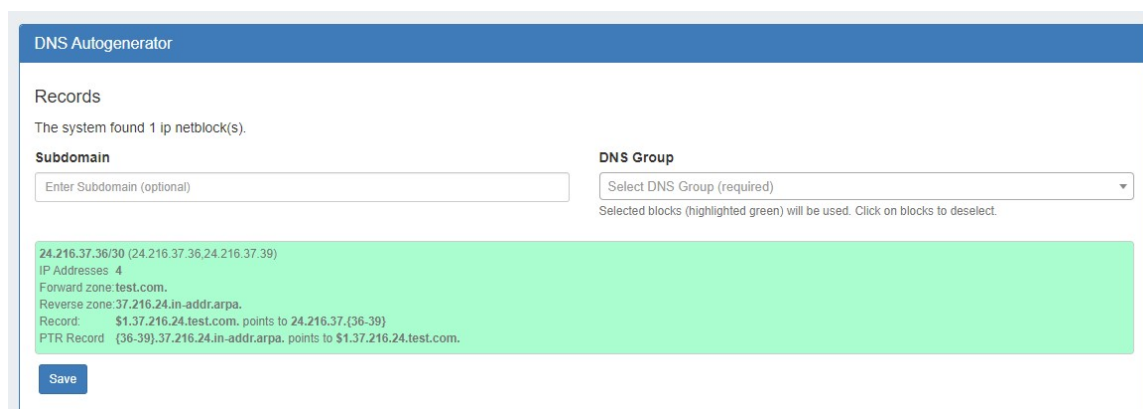
**DNS Autogenerator**

test.com.

This gadget uses the Hostname field (6c-hostname-fqdn) of the Resource to generate a list of DNS forward and reverse zone entries. It will generate a list of potential zone records - just select the ones you want to create, save the changes and you are ready to push the zones to the linked DNS Server(s).

**Autogenerate records**

When ready, click the "Autogenerate Records" button. The gadget will search through the blocks in the IPAM Gadget and provide a list of found blocks.



**DNS Autogenerator**

**Records**

The system found 1 ip netblock(s).

**Subdomain**

Enter Subdomain (optional)

**DNS Group**

Select DNS Group (required)

Selected blocks (highlighted green) will be used. Click on blocks to deselect.

24.216.37.36/30 (24.216.37.36,24.216.37.39)  
IP Addresses 4  
Forward zone: test.com.  
Reverse zone: 37.216.24.in-addr.arpa.  
Record: \$1.37.216.24.test.com. points to 24.216.37.(36-39)  
PTR Record {36-39}.37.216.24.in-addr.arpa. points to \$1.37.216.24.test.com.

**Save**

## Add Subdomain / DNS Group

Next, add in a subdomain if desired (optional), and select the DNS group to hold the records (required). Click on the listed blocks to select (highlighted green) or deselect (grey) for DNS zone / record creation.

DNS Autogenerator

Records

The system found 1 ip netblock(s).

Subdomain

QA

DNS Group

QA Test Group Test 1

Selected blocks (highlighted green) will be used. Click on blocks to deselect.

24.216.37.36/30 (24.216.37.36,24.216.37.39)  
IP Addresses: 4  
Forward zone: test.com.  
Reverse zone: 37.216.24.in-addr.arpa.  
Record: \$1.37.216.24.QA.test.com. points to 24.216.37.(36-39)  
PTR Record {36-39}.37.216.24.in-addr.arpa. points to \$1.37.216.24.QA.test.com.

Save

## Save and Push

Finally, hit the "Save" button at the bottom of the gadget - the selected forward and reverse DNS records will be created and added into the DNS Group, viewable in the [DNS Tab](#).

DNS Autogenerator

Assigned records for testadd2.com.

The system found 1 record templates attached to QA Test Group Test 1

24.216.37.36/30 (24.216.37.36,24.216.37.39)  
IP Addresses: 4  
Reverse Zone: 37.216.24.in-addr.arpa.  
{36-39}.37.216.24.in-addr.arpa. points to \$1.37.216.24.testadd2.com.

Push zones

Scheduled Push

Re-run workflow

At this point, you may choose to immediately push the autogenerated zone(s), schedule a push, or re-run the workflow to edit the subdomain or group.