
phpipam-ansible-modules Documentation

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phpIPAM Ansible Modules

This collection provides modules to manage entities in a [phpIPAM](#). This is neither a collection of roles nor playbooks. It provides modules to write your own roles and/or playbooks.

We get a lot of inspiration from [foreman-ansible-modules](#) for our modules.

1.1 Installation

The collection is available via [Ansible Galaxy](#). So you can run

```
ansible-galaxy collection install codeaffen.phpipam
```

Alternatively you can build and install the collection from source.

```
make dist
ansible-galaxy collection install codeaffen-phpipam-<version>.tar.gz
```

1.2 Documentation

1.2.1 readthedocs.io

Current documentation can be found on [readthedocs.io](#).

1.2.2 ansible-doc

If you have installed the collection you can facilitate `ansible-doc` to display documentation for a given module.

```
$ ansible-doc codeaffen.phpipam.section
> SECTION      (/home/user/ansible_collections/codeaffen/phpipam/plugins/modules/
↪section.py)

    create, update and delete sections

    * This module is maintained by The Ansible Community
OPTIONS (= is mandatory):

- app_id
    API app name
    [Default: ansible]
    type: str

- description
    Short descriptive text
    [Default: None]
    type: str

- dns_resolver
    The NS resolver to be used for this section
    [Default: (null)]
    type: str

- list_order
    Order in sections list view
    [Default: (null)]
    type: int

= name
    Name of the section

    example: customer_1
    type: str

- parent
    Name of the parent section
    (Aliases: master, master_section) [Default: None]
    type: str

= password
    Password of the user to access phpIPAM server

    type: str

- permissions
    JSON object that represent the permissions for each user
    [Default: None]
    type: json

= server_url
    URL of the phpIPAM server

    type: str

- show_supernets_only
    Show only supernets in sebnets list view
```

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```

    [Default: False]
    type: bool

- show_vlan
  Show/hide VLANs in subnet list view
  [Default: False]
  type: bool

- show_vrf
  Show/hide VRFs in subnet list view
  [Default: False]
  type: bool

- state
  State of the entity
  (Choices: present, absent) [Default: present]
  type: str

- strict_mode
  If set to true, consistency of subnets and IP addresses will be checked
  [Default: False]
  type: bool

- subnet_ordering
  How to order subnets within this section
  [Default: subnet,asc]
  type: str

= username
  Username to access phpIPAM server

  type: str

```

REQUIREMENTS: `inflection`, `ipaddress`, `phpypam`>=1.0.0

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METADATA:

status:

- preview

supported_by: community

EXAMPLES:

```

- name: "Create a section"
  codeaffen.phpipam.section:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    name: "EXAMPLE INC"
    description: "Section for company EXAMPLE INC"
    state: present

- name: "Create a section with parent"
  codeaffen.phpipam.section:
    username: "admin"

```

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```
password: "s3cr3t"
server_url: "https://ipam.example.com"
name: "DEVOPS department"
parent: "EXAMPLE INC"
description: "Section for devops department in EXAMPLE INC"
state: present
```

1.2.3 repository folder

A last option to read the docs is the docs folder in this repository.

1.3 Dependencies

The following dependencies have to be fulfilled by the Ansible controller.

- inflection
- ipaddress
- phypam>=1.0.0

codeaffen.phpipam Release Notes

Topics

- *codeaffen.phpipam Release Notes*
 - *v1.2.0*
 - * *Minor Changes*
 - *v1.1.1*
 - * *Bugfixes*
 - *v1.1.0*
 - * *Bugfixes*
 - *v1.0.0*
 - * *Major Changes*
 - *v0.5.0*
 - * *New Modules*
 - *v0.4.0*
 - * *New Modules*
 - *v0.3.0*
 - * *New Modules*
 - *v0.2.0*
 - * *New Modules*
 - *v0.1.0*

2.1 v1.2.0

2.1.1 Minor Changes

- Add *is_subnet* filter
- Add filter documentation

2.2 v1.1.1

2.2.1 Bugfixes

- Fix *validate_certs* is not used for api connection (<https://github.com/codeaffen/phpipam-ansible-modules/issues/27>)

2.3 v1.1.0

2.3.1 Bugfixes

- Fixing *There is no 'validate_certs' parameter in modules* bug (<https://github.com/codeaffen/phpipam-ansible-modules/issues/25>)

2.4 v1.0.0

2.4.1 Major Changes

- Adapt documentation to reflect the final requirements
- Running tests against the new version and do some changes to work as expected
- Switch to stable version of *phpypam* module

2.5 v0.5.0

2.5.1 New Modules

- codeaffen.phpipam.device - Manage devices
- codeaffen.phpipam.device_type - Manage device types

2.6 v0.4.0

2.6.1 New Modules

- codeaffen.phpipam.vrf - Manage virtual routers and forwarders

2.7 v0.3.0

2.7.1 New Modules

- codeaffen.phpipam.domain - Manage L2 routing domains
- codeaffen.phpipam.nameserver - Manage nameservers
- codeaffen.phpipam.vlan - Manage vlans

2.8 v0.2.0

2.8.1 New Modules

- codeaffen.phpipam.address - Manage addresses

2.9 v0.1.0

These are the plugins in the codeaffen.phpipam collection

3.1 Module Plugins

- address – Manage addresses
- device – Manage devices
- device_type – Manage device types
- domain – Manage L2 routing domains
- nameserver – Manage nameservers
- section – Manage sections
- subnet – Manage subnets
- tag –
- vlan – Manage vlans
- vrf – Manage virtual routers and forwarders

See also:

List of collections with docs hosted here.

Filters are used to manipulate data if needed.

4.1 is_subnet

This filter checks whether a given subnet belongs to the second one. It returns *true* if first subnet belongs to second and *false* if not or both subnets are the same.

since version: 1.2.0

```
192.0.2.0/25 | codeaffen.phpipam.is_subnet(192.0.2.0/24)
```

How to contribute to phpipam-ansible-modules

5.1 Did you found a bug

- Do not open Github issue if the bug concerns `{php}IPAM` and not the ansible modules.
- Make sure the bug is not already opened by another user.
- If you can't find an open issue which reflects your observed problem go ahead and [open a new bug](#).
- Provide as much information as mentioned in the bug report template.

5.2 Did you wrote a patch for an open bug

- Open new pull request containing the patch.
- Provide a clear description which describes the problem and the solution. Link the existing bug to the PR.

5.3 Do you want to add a new feature

- Make sure there isn't already a feature request.
- If you can't find an open feature request which describe your feature idea or parts of it feel free to [open a new feature request](#).
- Suggest your feature idea within the created feature request.
- Provide as much discription as possible to enable others to have a good understanding of what you are doing.
- Point out that you want to start to work on the new feature

5.4 Do you want to contribute to documentation

- Write your documentation change.
- Open a PR with your change.
- Discuss with the team about your changes.

5.5 Thank you for any contribution

We will thank you for heeding the contribution guidelines and we encourage you to contribute and join the team.

CHAPTER 6

Indices and tables

- `genindex`
- `search`