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# **phpipam-ansible-modules Documentation**

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## phpIPAM Ansible Modules

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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, phypam>=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



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### codeaffen.phpipam Release Notes

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#### Topics

- *codeaffen.phpipam Release Notes*
  - *v1.3.1*
    - \* *Bugfixes*
  - *v1.3.0*
    - \* *Bugfixes*
  - *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 v1.3.1

### 2.1.1 Bugfixes

- fix *KeyError 'section'* bug (<https://github.com/codeaffen/phpipam-ansible-modules/issues/41>)

## 2.2 v1.3.0

### 2.2.1 Bugfixes

- Fixing *Creating same subnet in different sections isn't possible* bug (<https://github.com/codeaffen/phpipam-ansible-modules/issues/33>)

## 2.3 v1.2.0

### 2.3.1 Minor Changes

- Add *is\_subnet* filter
- Add filter documentation

## 2.4 v1.1.1

### 2.4.1 Bugfixes

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

## 2.5 v1.1.0

### 2.5.1 Bugfixes

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

## 2.6 v1.0.0

### 2.6.1 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

## 2.7 v0.5.0

### 2.7.1 New Modules

- codeaffen.phpipam.device - Manage devices
- codeaffen.phpipam.device\_type - Manage device types

## 2.8 v0.4.0

### 2.8.1 New Modules

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

## 2.9 v0.3.0

### 2.9.1 New Modules

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

## 2.10 v0.2.0

### 2.10.1 New Modules

- codeaffen.phpipam.address - Manage addresses

## 2.11 v0.1.0



These are the plugins in the codeaffen.phpipam collection

### 3.1 Modules

- 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
- 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)
```





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## How to contribute to phpipam-ansible-modules

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### 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

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### Indices and tables

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- `genindex`
- `search`