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# **phpipam-ansible-modules Documentation**

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# USER 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
```

### 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.

- colour
- geopy
- inflection
- ipaddress
- phypam>=1.0.0

## 1.4 Need help?

If you've found any issues in this release please head over to github and open a bug so we can take a look.

## CODEAFFEN.PHIPAM RELEASE NOTES

### Topics

- *codeaffen.phpipam Release Notes*
  - *v1.4.0*
    - \* *Minor Changes*
    - \* *Bugfixes*
    - \* *New Modules*
  - *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*

## 2.1 v1.4.0

### 2.1.1 Minor Changes

- Minor formatting and spelling fixes.
- Switch sphinx from recommonmark to myst\_parser.

### 2.1.2 Bugfixes

- fix #57 - tag lookups failed when specified in an *address* task
- fix #61 - Device type examples
- with [AHH538](<https://issues.redhat.com/browse/AAH-538>) *requires\_ansible* is mandatory in *meta/runtime.yml*. So we add the minimum version for our collection here.

### 2.1.3 New Modules

- codeaffen.phpipam.location - Manage locations
- codeaffen.phpipam.tag - Manage tags

## 2.2 v1.3.1

### 2.2.1 Bugfixes

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

## 2.3 v1.3.0

### 2.3.1 Bugfixes

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

## 2.4 v1.2.0

### 2.4.1 Minor Changes

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

## 2.5 v1.1.1

### 2.5.1 Bugfixes

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

## 2.6 v1.1.0

### 2.6.1 Bugfixes

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

## 2.7 v1.0.0

### 2.7.1 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

## 2.8 v0.5.0

### 2.8.1 New Modules

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

## 2.9 v0.4.0

### 2.9.1 New Modules

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

## 2.10 v0.3.0

### 2.10.1 New Modules

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

## 2.11 v0.2.0

### 2.11.1 New Modules

- codeaffen.phpipam.address - Manage addresses

## 2.12 v0.1.0

## CODEAFFEN.PHPIPAM

Collection version 1.4.0

### 3.1 Plugin Index

These are the plugins in the codeaffen.phpipam collection

#### 3.1.1 Modules

- *address* – Manage addresses
- *device* – Manage devices
- *device\_type* – Manage device types
- *domain* – Manage L2 routing domains
- *location* – Manage locations
- *nameserver* – Manage nameservers
- *section* – Manage sections
- *subnet* – Manage subnets
- *tag* – Manage tags
- *vlan* – Manage vlans
- *vrf* – Manage virtual routers and forwarders

**See also:**

List of collections with docs hosted here.

#### **codeaffen.phpipam.address – Manage addresses**

---

**Note:** This plugin is part of the `codeaffen.phpipam` collection (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.address`.

---

New in version 0.2.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

### Synopsis

- create, update and delete addresses

### Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- phypam>=1.0.0

### Parameters

### Examples

```
- name: "Reserve an IP address"
codeaffen.phpipam.address:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  address: "192.0.2.1"
  section: "Customers"
  description: "Default router of sunet"
  subnet: "192.0.2.0/24"
  is_gateway: yes
  state: present

- name: "Remove address reservation"
codeaffen.phpipam.address:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  address: "192.0.2.1"
  subnet: "192.0.2.0/24"
  section: "Customers"
  state: absent
```

## Authors

- Christian Meißner (@cmeissner)

## codeaffen.phpipam.device – Manage devices

**Note:** This plugin is part of the `codeaffen.phpipam` collection (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.device`.

New in version 0.5.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

## Synopsis

- create, update and delete devices

## Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- phypam>=1.0.0

## Parameters

## Examples

```
- name: "Create device"
codeaffen.phpipam.device:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  hostname: "leaf-example-01"
  ipaddress: "192.0.2.222"
```

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```
sections:
  - Example Inc.
  - DEVOPS department
state: present

- name: "Remove device"
codeaffen.phpipam.device:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "leaf-example-001"
  state: absent
```

### Authors

- Christian Meißner (@cmeissner)

### codeaffen.phpipam.device\_type – Manage device types

---

**Note:** This plugin is part of the [codeaffen.phpipam collection](#) (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.device_type`.

---

New in version 0.5.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

### Synopsis

- create, update and delete device types

## Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- phypam>=1.0.0

## Parameters

## Examples

```
- name: "Create device type"
  codeaffen.phpipam.device_type:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    name: "USP"
    description: "universal power supply"
    state: present

- name: "Remove device type"
  codeaffen.phpipam.device_type:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    name: "USP"
    state: absent
```

## Authors

- Christian Meißner (@cmeissner)

## codeaffen.phpipam.domain – Manage L2 routing domains

---

**Note:** This plugin is part of the [codeaffen.phpipam collection](#) (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.domain`.

---

New in version 0.3.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

### Synopsis

- create, update and delete L2 routing domains

### Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- phypam>=1.0.0

### Parameters

### Examples

```
- name: "Create domain"
codeaffen.phpipam.domain:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "my domain"
  sections:
    - Example Inc.
    - DEVOPS department
  state: present

- name: "Remove domain"
codeaffen.phpipam.domain:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "my domain"
  state: absent
```

## Authors

- Christian Meißner (@cmeissner)

## codeaffen.phpipam.location – Manage locations

**Note:** This plugin is part of the [codeaffen.phpipam collection](#) (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.location`.

New in version 1.4.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

## Synopsis

- create, update and delete locations

## Requirements

The below requirements are needed on the host that executes this module.

- geopy
- inflection
- ipaddress
- phypam>=1.0.0

## Parameters

## Examples

```
- name: "Create with address"
  codeaffen.phpipam.location:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    name: "my location"
```

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```
description: "my location description"
address: "my location address"
state: present

- name: "Create location with geo coordinates"
codeaffen.phpipam.location:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "my location"
  description: "my location description"
  latitude: 123.456
  longitude: 123.456
  state: present

- name: "Remove location"
codeaffen.phpipam.location:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "my location"
  state: absent
```

## Authors

- Christian Meißner (@cmeissner)

## codeaffen.phpipam.nameserver – Manage nameservers

**Note:** This plugin is part of the [codeaffen.phpipam collection](#) (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.nameserver`.

New in version 0.3.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

## Synopsis

- create, update and delete nameservers

## Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- phypam>=1.0.0

## Parameters

## Examples

```
- name: "Create nameserver"
codeaffen.phpipam.nameserver:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "cloudflare dns"
  addresses:
    - 1.1.1.1
    - 1.0.0.1
  permissions: 1;2
  state: present

- name: "Remove nameserver"
codeaffen.phpipam.nameserver:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "cloudflare dns"
  state: absent
```

## Authors

- Christian Meißner (@cmeissner)

### codeaffen.phpipam.section – Manage sections

---

**Note:** This plugin is part of the `codeaffen.phpipam` collection (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.section`.

---

New in version 0.0.1: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

### Synopsis

- create, update and delete sections

### Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- phypam>=1.0.0

### Parameters

### 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
```

## Authors

- Christian Meißner (@cmeissner)

## codeaffen.phpipam.subnet – Manage subnets

**Note:** This plugin is part of the [codeaffen.phpipam collection](#) (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.subnet`.

New in version 0.0.1: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*
- *Return Values*

## Synopsis

- create, update and delete subnets

## Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- `phpypam` >= 1.0.0

### Parameters

### Examples

```
- name: "Create a subnet"
  codeaffen.phpipam.subnet:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    cidr: "192.0.2.128/26"
    section: "EXAMPLE INC"
    state: present

- name: "Create a subnet with parent"
  codeaffen.phpipam.subnet:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    cidr: "192.0.2.128/28"
    parent: "192.0.2.128/25"
    section: "DEVOPS department"
    state: present
```

### Return Values

Common return values are documented here, the following are the fields unique to this module:

### Authors

- Christian Meißner (@cmeissner)

### codeaffen.phpipam.tag – Manage tags

---

**Note:** This plugin is part of the `codeaffen.phpipam` collection (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.tag`.

---

New in version 1.4.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*

- *Examples*

## Synopsis

- create, update and delete tags

## Requirements

The below requirements are needed on the host that executes this module.

- colour
- inflection
- ipaddress
- phypam>=1.0.0

## Parameters

## Examples

```
- name: "Create tag"
  codeaffen.phpipam.tag:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    name: "my tag"
    bg_color: #ffffff
    fg_color: #000000
    state: present

- name: "Remove tag"
  codeaffen.phpipam.tag:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    name: "my tag"
    state: absent
```

## Authors

- Christian Meißner (@cmeissner)

### codeaffen.phpipam.vlan – Manage vlans

---

**Note:** This plugin is part of the `codeaffen.phpipam` collection (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.vlan`.

---

New in version 0.3.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

### Synopsis

- create, update and delete vlans

### Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- phypam>=1.0.0

### Parameters

### Examples

```
- name: "Create vlan"
  codeaffen.phpipam.vlan:
    username: "admin"
    password: "s3cr3t"
    server_url: "https://ipam.example.com"
    name: "my vlan"
    vlan_id: 1337
    state: present

- name: "Remove vlan"
  codeaffen.phpipam.vlan:
    username: "admin"
```

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```
password: "s3cr3t"  
server_url: "https://ipam.example.com"  
name: "my vlan"  
state: absent
```

## Authors

- Christian Meißner (@cmeissner)

## codeaffen.phpipam.vrf – Manage virtual routers and forwarders

**Note:** This plugin is part of the [codeaffen.phpipam collection](#) (version 1.4.0).

You might already have this collection installed if you are using the `ansible` package. It is not included in `ansible-core`. To check whether it is installed, run `ansible-galaxy collection list`.

To install it, use: `ansible-galaxy collection install codeaffen.phpipam`.

To use it in a playbook, specify: `codeaffen.phpipam.vrf`.

New in version 0.4.0: of `codeaffen.phpipam`

- *Synopsis*
- *Requirements*
- *Parameters*
- *Examples*

## Synopsis

- create, update and delete L2 routing vrfs

## Requirements

The below requirements are needed on the host that executes this module.

- inflection
- ipaddress
- phypam>=1.0.0

### Parameters

### Examples

```
- name: "Create vrf"
codeaffen.phpipam.vrf:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "my vrf"
  sections:
    - Example Inc.
    - DEVOPS department
  state: present

- name: "Remove vrf"
codeaffen.phpipam.vrf:
  username: "admin"
  password: "s3cr3t"
  server_url: "https://ipam.example.com"
  name: "my vrf"
  state: absent
```

### Authors

- Christian Meißner (@cmeissner)

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 the second and *false* if not, or if both subnets are the same.

**since version:** 1.2.0

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



## CONTRIBUTOR COVENANT CODE OF CONDUCT

### 5.1 Our Pledge

We as members, contributors, and leaders pledge to make participation in our community a harassment-free experience for everyone, regardless of age, body size, visible or invisible disability, ethnicity, sex characteristics, gender identity and expression, level of experience, education, socio-economic status, nationality, personal appearance, race, caste, color, religion, or sexual identity and orientation.

We pledge to act and interact in ways that contribute to an open, welcoming, diverse, inclusive, and healthy community.

### 5.2 Our Standards

Examples of behavior that contributes to a positive environment for our community include:

- Demonstrating empathy and kindness toward other people
- Being respectful of differing opinions, viewpoints, and experiences
- Giving and gracefully accepting constructive feedback
- Accepting responsibility and apologizing to those affected by our mistakes, and learning from the experience
- Focusing on what is best not just for us as individuals, but for the overall community

Examples of unacceptable behavior include:

- The use of sexualized language or imagery, and sexual attention or advances of any kind
- Trolling, insulting or derogatory comments, and personal or political attacks
- Public or private harassment
- Publishing others' private information, such as a physical or email address, without their explicit permission
- Other conduct which could reasonably be considered inappropriate in a professional setting

## 5.3 Enforcement Responsibilities

Community leaders are responsible for clarifying and enforcing our standards of acceptable behavior and will take appropriate and fair corrective action in response to any behavior that they deem inappropriate, threatening, offensive, or harmful.

Community leaders have the right and responsibility to remove, edit, or reject comments, commits, code, wiki edits, issues, and other contributions that are not aligned to this Code of Conduct, and will communicate reasons for moderation decisions when appropriate.

## 5.4 Scope

This Code of Conduct applies within all community spaces, and also applies when an individual is officially representing the community in public spaces. Examples of representing our community include using an official e-mail address, posting via an official social media account, or acting as an appointed representative at an online or offline event.

## 5.5 Enforcement

Instances of abusive, harassing, or otherwise unacceptable behavior may be reported to the community leaders responsible for enforcement at [dispute@codeaffen.org](mailto:dispute@codeaffen.org). All complaints will be reviewed and investigated promptly and fairly.

All community leaders are obligated to respect the privacy and security of the reporter of any incident.

## 5.6 Enforcement Guidelines

Community leaders will follow these Community Impact Guidelines in determining the consequences for any action they deem in violation of this Code of Conduct:

### 5.6.1 1. Correction

**Community Impact:** Use of inappropriate language or other behavior deemed unprofessional or unwelcome in the community.

**Consequence:** A private, written warning from community leaders, providing clarity around the nature of the violation and an explanation of why the behavior was inappropriate. A public apology may be requested.

### 5.6.2 2. Warning

**Community Impact:** A violation through a single incident or series of actions.

**Consequence:** A warning with consequences for continued behavior. No interaction with the people involved, including unsolicited interaction with those enforcing the Code of Conduct, for a specified period of time. This includes avoiding interactions in community spaces as well as external channels like social media. Violating these terms may lead to a temporary or permanent ban.

### 5.6.3 3. Temporary Ban

**Community Impact:** A serious violation of community standards, including sustained inappropriate behavior.

**Consequence:** A temporary ban from any sort of interaction or public communication with the community for a specified period of time. No public or private interaction with the people involved, including unsolicited interaction with those enforcing the Code of Conduct, is allowed during this period. Violating these terms may lead to a permanent ban.

### 5.6.4 4. Permanent Ban

**Community Impact:** Demonstrating a pattern of violation of community standards, including sustained inappropriate behavior, harassment of an individual, or aggression toward or disparagement of classes of individuals.

**Consequence:** A permanent ban from any sort of public interaction within the community.

## 5.7 Attribution

This Code of Conduct is adapted from the Contributor Covenant, version 2.0, available at [https://www.contributor-covenant.org/version/2/0/code\\_of\\_conduct.html](https://www.contributor-covenant.org/version/2/0/code_of_conduct.html).

Community Impact Guidelines were inspired by Mozilla's code of conduct enforcement ladder.

For answers to common questions about this code of conduct, see the FAQ at <https://www.contributor-covenant.org/faq>. Translations are available at <https://www.contributor-covenant.org/translations>.



## HOW TO CONTRIBUTE TO PHPIPAM-ANSIBLE-MODULES

### 6.1 Did you found a bug?

- Do not open a 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.

### 6.2 Did you write 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.

### 6.3 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 describes 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 description 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
- If you want to start to work on a new module we suggest to read [How to write new phpipam modules@codeaffen.org](#).

### 6.3.1 Create your feature in a branch of your fork

Fork our repository and create a new branch for your feature. Then start to work on your feature.

### 6.3.2 Add tests for your new feature

To make sure that your feature is working as expected and to make sure that it is not breaking any existing functionality, you should add tests for your new feature. To do so, you

1. need to have a working phipam installation.
2. export the following environment variables:
  - Phipam\_URL - the URL of your phipam installation (e.g. `https://localhost`)
  - Phipam\_USERNAME - the username to login to phipam
  - Phipam\_PASSWORD - the password to login to phipam
  - Phipam\_APPID - the appid to login to phipam
3. add a new task definition for your new feature in `tests/test_playbooks/tasks/`
4. add a vars definition for your new feature in `tests/test_playbooks/vars/`
5. add a crud playbook for your new feature in `tests/test_playbooks/` The playbook should contain the following steps:
  - import vars files `vars/server.yml` and `vars/<yourtest>.yml`
  - tasks for
    - create a new entity
    - create a new entity again to make sure that it will not changed
    - update the entity
    - delete the entity
6. run your test with `ansible-playbook --inventory=tests/inventory/hosts tests/test_playbooks/<yourtest>.yml -vvv` to make sure that your feature is working as expected
7. run your test again with `make test-<yourtest>`
8. run all tests with `make test-all` to make sure that your feature does not break any existing functionality

### 6.3.3 Create pull request for your new feature

When you are done, push your changes to your fork and create a pull request. Please make sure that you have squashed your changes before you create the pull request. Provide a clear description of your feature and the changes you made.

## 6.4 Do you want to contribute to documentation?

- Fork me.
- Create a documentation branch.
- Write your documentation changes.
- Open a PR with your changes.
- Discuss with the team about your changes.

## 6.5 Thank you for any contribution

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



## RELEASING THE COLLECTION

To release the collection the following steps are required:

- Create a pull request with the following changes:
  - Updated `galaxy.yml`:
    - \* Version bump
    - \* Updated list of authors.  
Generate that list via `git shortlog -e -s | sed -E 's/^\s+[[[:digit:]]]+\s+(.*)$/ - "\1"/`.
  - Updated changelog by running `antsibull-changelog release` – it will pick up the version from `galaxy.yml`
- After merging, tag the merge commit with `v<version number>` (i.e. `v0.1.1`).



## INDICES AND TABLES

- genindex
- search