
Ansible Collection for Huaweicloud

Huawei (@huaweicloud)

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Collection version 1.0.5

PLUGIN INDEX

These are the plugins in the `hwceco.hwcollection` collection

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See also:

List of collections with docs hosted here.

1.1.1 `hwceco.hwcollection.hwc_cce_cluster` – Creates a resource of cce cluster in Huawei Cloud

Note: This plugin is part of the `hwceco.hwcollection` collection (version 1.0.5).

To install it use: `ansible-galaxy collection install hwceco.hwcollection`.

To use it in a playbook, specify: `hwceco.hwcollection.hwc_cce_cluster`.

New in version 1.0.0: of `hwceco.hwcollection`

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

- *Examples*
- *Return Values*

Synopsis

- Creates and manages a resource of cce cluster in Huawei Cloud.

Requirements

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

- huaweicloudsdkcore >= 3.0.47
- huaweicloudsdkcce >= 3.0.47

Parameters

Notes

Note:

- For authentication, you can set access_key using the ``ANSIBLE_HWC_ACCESS_KEY`` env variable.
 - For authentication, you can set secret_key using the ``ANSIBLE_HWC_SECRET_KEY`` env variable.
 - For authentication, you can set project_id using the ``ANSIBLE_HWC_PROJECT_ID`` env variable.
 - For authentication, you can set region using the ``ANSIBLE_HWC_REGION`` env variable.
 - For authentication, you can set identity_endpoint using the ``ANSIBLE_HWC_IDENTITY_ENDPOINT`` env variable.
 - For authentication, you can set cloud using the ``ANSIBLE_HWC_CLOUD`` env variable.
 - Environment variables values will only be used if the playbook values are not set.
-

Examples

```
# create an cce cluster
- name: create a vpc
  hwc_vpc:
    cidr: "192.168.100.0/24"
    name: "ansible_vpc_test"
  register: vpc

- name: create a subnet
  hwc_vpc_subnet:
    filters:
      - "name"

    gateway_ip: "192.168.100.32"
```

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```

name: "ansible_subnet_test"
dhcp_enable: true
vpc_id: "{{ vpc.state.id }}"
cidr: "192.168.100.0/26"
# dns is required for cce node installing
dns_address:
  - "100.125.1.250"
  - "100.125.21.250"
register: subnet

- name: create a cce cluster
  hwc_cce_cluster:
    filters:
      - "name"

    name: "ansible-cce-cluster-test"
    description: "ansible cce cluster test"
    flavor_id: "cce.s1.small"
    vpc_id: "{{ vpc.state.id }}"
    subnet_id: "{{ subnet.state.id }}"
    container_network_type: "overlay_l2"
    authentication_mode: "rbac"

```

Return Values

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

Authors

- Huawei (@huaweicloud)

1.1.2 hwceco.hwcollection.hwc_cce_node – Creates a resource of CCE/Node in Huawei Cloud

Note: This plugin is part of the [hwceco.hwcollection](#) collection (version 1.0.5).

To install it use: `ansible-galaxy collection install hwceco.hwcollection`.

To use it in a playbook, specify: `hwceco.hwcollection.hwc_cce_node`.

New in version 1.0.0: of hwceco.hwcollection

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

- *Examples*
- *Return Values*

Synopsis

- Creates and manages a resource of CCE/Node in Huawei Cloud

Requirements

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

- huaweicloudsdkcore >= 3.0.47
- huaweicloudsdkcce >= 3.0.47

Parameters

Notes

Note:

- For authentication, you can set access_key using the ``ANSIBLE_HWC_ACCESS_KEY`` env variable.
 - For authentication, you can set secret_key using the ``ANSIBLE_HWC_SECRET_KEY`` env variable.
 - For authentication, you can set project_id using the ``ANSIBLE_HWC_PROJECT_ID`` env variable.
 - For authentication, you can set region using the ``ANSIBLE_HWC_REGION`` env variable.
 - For authentication, you can set identity_endpoint using the ``ANSIBLE_HWC_IDENTITY_ENDPOINT`` env variable.
 - For authentication, you can set cloud using the ``ANSIBLE_HWC_CLOUD`` env variable.
 - Environment variables values will only be used if the playbook values are not set.
-

Examples

```
# create an cce node instance
- name: create a vpc
  hwc_vpc:
    cidr: "192.168.100.0/24"
    name: "ansible_vpc_test"
  register: vpc

- name: create a subnet
  hwc_vpc_subnet:
    gateway_ip: "192.168.100.32"
    name: "ansible_subnet_test"
    dhcp_enable: true
    vpc_id: "{{ vpc.state.id }}"
```

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```
cidr: "192.168.100.0/26"
# dns is required for cce node installing
dns_address:
  - "100.125.1.250"
  - "100.125.21.250"
filters:
  - "name"
register: subnet

- name: create a cce cluster
  hwc_cce_cluster:
    filters:
      - "name"

    name: "ansible-cce-cluster-test"
    description: "ansible cce cluster test"
    flavor_id: "cce.s1.small"
    vpc_id: "{{ vpc.state.id }}"
    subnet_id: "{{ subnet.state.id }}"
    container_network_type: "overlay_l2"
    authentication_mode: "rbac"
    register: cluster

- name: create a cce node
  hwc_cce_node:
    filters:
      - "name"

    name: "ansible-cce-node-test"
    cluster_id: "{{ cluster.state.id }}"
    flavor_id: "s6.large.2"
    availability_zone: "cn-north-4a"
    subnet_id: "{{ subnet.state.id }}"
    key_pair: "test-key-pair"
    root_volume:
      size: 40
      volume_type: "SAS"
    data_volumes:
      - size: 100
        volume_type: "SAS"
```

Return Values

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

Authors

- Huawei (@huaweicloud)

1.1.3 hwceco.hwcollection.hwc_ecs_instance – Creates a resource of Ecs/Instance in Huawei Cloud

Note: This plugin is part of the [hwceco.hwcollection collection](#) (version 1.0.5).

To install it use: `ansible-galaxy collection install hwceco.hwcollection`.

To use it in a playbook, specify: `hwceco.hwcollection.hwc_ecs_instance`.

New in version 1.0.0: of hwceco.hwcollection

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

Synopsis

- Creates and manages a resource of Ecs/Instance in Huawei Cloud

Requirements

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

- huaweicloudsdkcore >= 3.0.47
- huaweicloudsdkecs >= 3.0.47

Parameters

Notes

Note:

- For authentication, you can set access_key using the ``ANSIBLE_HWC_ACCESS_KEY`` env variable.
- For authentication, you can set secret_key using the ``ANSIBLE_HWC_SECRET_KEY`` env variable.
- For authentication, you can set project_id using the ``ANSIBLE_HWC_PROJECT_ID`` env variable.
- For authentication, you can set region using the ``ANSIBLE_HWC_REGION`` env variable.
- For authentication, you can set identity_endpoint using the ``ANSIBLE_HWC_IDENTITY_ENDPOINT`` env variable.
- For authentication, you can set cloud using the ``ANSIBLE_HWC_CLOUD`` env variable.
- Environment variables values will only be used if the playbook values are not set.

Examples

```
# create an ecs instance
- name: create a vpc
  hwc_network_vpc:
    cidr: "192.168.100.0/24"
    name: "ansible_network_vpc_test"
  register: vpc
- name: create a subnet
  hwc_vpc_subnet:
    gateway_ip: "192.168.100.32"
    name: "ansible_network_subnet_test"
    dhcp_enable: true
    vpc_id: "{{ vpc.state.id }}"
    filters:
      - "name"
    cidr: "192.168.100.0/26"
  register: subnet
- name: create a eip
  hwc_vpc_eip:
    dedicated_bandwidth:
      charge_mode: "traffic"
      name: "ansible_test_dedicated_bandwidth"
      size: 1
    type: "5_bgp"
    filters:
      - "type"
      - "dedicated_bandwidth"
  register: eip
- name: create a disk
  hwc_evs_disk:
    filters:
      - "name"
```

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```
availability_zone: "cn-north-1a"
name: "ansible_evs_disk_test"
volume_type: "SATA"
size: 10
register: disk
- name: create an instance
hwc_ecs_instance:
  data_volumes:
    - volume_id: "{{ disk.state.id }}"
  eip_id: "{{ eip.state.id }}"
  name: "ansible_ecs_instance_test"
  availability_zone: "cn-north-1a"
  nics:
    - subnet_id: "{{ subnet.state.id }}"
      ip_address: "192.168.100.33"
    - subnet_id: "{{ subnet.state.id }}"
      ip_address: "192.168.100.34"
  server_tags:
    my_server: "my_server"
  image_id: "8da46d6d-6079-4e31-ad6d-a7167efff892"
  flavor_name: "s3.small.1"
  filters:
    - "name"
  vpc_id: "{{ vpc.state.id }}"
  root_volume:
    volume_type: "SAS"
```

Return Values

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

Authors

- Huawei (@huaweicloud)

1.1.4 hwceco.hwcollection.hwc_evs_disk – Creates a resource of Evs/Disk in Huawei Cloud

Note: This plugin is part of the [hwceco.hwcollection](#) collection (version 1.0.5).

To install it use: `ansible-galaxy collection install hwceco.hwcollection`.

To use it in a playbook, specify: `hwceco.hwcollection.hwc_evs_disk`.

New in version 1.0.0: of hwceco.hwcollection

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

Synopsis

- Creates and manages a resource of Evs/Disk in Huawei Cloud.

Requirements

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

- huaweicloudsdkcore >= 3.0.47
- huaweicloudsdkeys >= 3.0.47

Parameters

Notes

Note:

- For authentication, you can set access_key using the ``ANSIBLE_HWC_ACCESS_KEY`` env variable.
 - For authentication, you can set secret_key using the ``ANSIBLE_HWC_SECRET_KEY`` env variable.
 - For authentication, you can set project_id using the ``ANSIBLE_HWC_PROJECT_ID`` env variable.
 - For authentication, you can set region using the ``ANSIBLE_HWC_REGION`` env variable.
 - For authentication, you can set identity_endpoint using the ``ANSIBLE_HWC_IDENTITY_ENDPOINT`` env variable.
 - For authentication, you can set cloud using the ``ANSIBLE_HWC_CLOUD`` env variable.
 - Environment variables values will only be used if the playbook values are not set.
-

Examples

```
# test create disk
- name: create a disk
  hwc_evs_disk:
    filters:
      - "name"
    availability_zone: "cn-north-1a"
    name: "ansible_evs_disk_test"
```

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```
volume_type: "SATA"  
size: 10
```

Return Values

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

Authors

- Huawei (@huaweicloud)

1.1.5 hwceco.hwcollection.hwc_vpc – Creates a Huawei Cloud VPC

Note: This plugin is part of the [hwceco.hwcollection collection](#) (version 1.0.5).

To install it use: `ansible-galaxy collection install hwceco.hwcollection`.

To use it in a playbook, specify: `hwceco.hwcollection.hwc_vpc`.

New in version 1.0.0: of hwceco.hwcollection

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

Synopsis

- Creates and manages a Huawei Cloud VPC.

Requirements

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

- huaweicloudsdkcore >= 3.0.47
- huaweicloudsdkvpc >= 3.0.47

Parameters

Notes

Note:

- For authentication, you can set `access_key` using the ``ANSIBLE_HWC_ACCESS_KEY`` env variable.
 - For authentication, you can set `secret_key` using the ``ANSIBLE_HWC_SECRET_KEY`` env variable.
 - For authentication, you can set `project_id` using the ``ANSIBLE_HWC_PROJECT_ID`` env variable.
 - For authentication, you can set `region` using the ``ANSIBLE_HWC_REGION`` env variable.
 - For authentication, you can set `identity_endpoint` using the ``ANSIBLE_HWC_IDENTITY_ENDPOINT`` env variable.
 - For authentication, you can set `cloud` using the ``ANSIBLE_HWC_CLOUD`` env variable.
 - Environment variables values will only be used if the playbook values are not set.
-

Examples

```
- name: create a vpc
  hwc_vpc:
    name: "vpc_1"
    cidr: "192.168.100.0/24"
    state: present
```

Return Values

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

Authors

- Huawei (@huaweicloud)

1.1.6 hwceco.hwcollection.hwc_vpc_security_group – Creates a resource of Vpc/SecurityGroup in Huawei Cloud

Note: This plugin is part of the `hwceco.hwcollection` collection (version 1.0.5).

To install it use: `ansible-galaxy collection install hwceco.hwcollection`.

To use it in a playbook, specify: `hwceco.hwcollection.hwc_vpc_security_group`.

New in version 1.0.0: of `hwceco.hwcollection`

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

Synopsis

- Creates and manages a resource of Vpc/SecurityGroup in Huawei Cloud.

Requirements

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

- huaweicloudsdkcore >= 3.0.47
- huaweicloudsdkvpc >= 3.0.47

Parameters

Notes

Note:

- For authentication, you can set access_key using the ``ANSIBLE_HWC_ACCESS_KEY`` env variable.
 - For authentication, you can set secret_key using the ``ANSIBLE_HWC_SECRET_KEY`` env variable.
 - For authentication, you can set project_id using the ``ANSIBLE_HWC_PROJECT_ID`` env variable.
 - For authentication, you can set region using the ``ANSIBLE_HWC_REGION`` env variable.
 - For authentication, you can set identity_endpoint using the ``ANSIBLE_HWC_IDENTITY_ENDPOINT`` env variable.
 - For authentication, you can set cloud using the ``ANSIBLE_HWC_CLOUD`` env variable.
 - Environment variables values will only be used if the playbook values are not set.
-

Examples

```
# create a security group
- name: create a security group
  hwc_vpc_security_group:
    name: "ansible_network_security_group_test"
    filters:
      - "name"
```

Return Values

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

Authors

- Huawei (@huaweicloud)

1.1.7 hwceco.hwcollection.hwc_vpc_security_group_rule – Creates a resource of Vpc/SecurityGroupRule in Huawei Cloud

Note: This plugin is part of the [hwceco.hwcollection collection](#) (version 1.0.5).

To install it use: `ansible-galaxy collection install hwceco.hwcollection`.

To use it in a playbook, specify: `hwceco.hwcollection.hwc_vpc_security_group_rule`.

New in version 1.0.0: of hwceco.hwcollection

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

Synopsis

- Creates and manages a resource of Vpc/SecurityGroupRule in Huawei Cloud.

Requirements

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

- huaweicloudsdkcore >= 3.0.47
- huaweicloudsdkvpc >= 3.0.47

Parameters

Notes

Note:

- For authentication, you can set access_key using the ``ANSIBLE_HWC_ACCESS_KEY`` env variable.
 - For authentication, you can set secret_key using the ``ANSIBLE_HWC_SECRET_KEY`` env variable.
 - For authentication, you can set project_id using the ``ANSIBLE_HWC_PROJECT_ID`` env variable.
 - For authentication, you can set region using the ``ANSIBLE_HWC_REGION`` env variable.
 - For authentication, you can set identity_endpoint using the ``ANSIBLE_HWC_IDENTITY_ENDPOINT`` env variable.
 - For authentication, you can set cloud using the ``ANSIBLE_HWC_CLOUD`` env variable.
 - Environment variables values will only be used if the playbook values are not set.
-

Examples

```
# create a security group rule
- name: create a security group
  hwc_vpc_security_group:
    name: "ansible_network_security_group_test"
    filters:
      - "name"
    register: sg
- name: create a security group rule
  hwc_vpc_security_group_rule:
    direction: "ingress"
    protocol: "tcp"
    ethertype: "IPv4"
    port_range_max: 22
    security_group_id: "{{ sg.state.id }}"
    port_range_min: 22
    filters:
      - "security_group_id"
    remote_ip_prefix: "0.0.0.0/0"
```

Return Values

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

Authors

- Huawei (@huaweicloud)

1.1.8 hwceco.hwcollection.hwc_vpc_subnet – Creates a resource of Vpc/Subnet in Huawei Cloud

Note: This plugin is part of the [hwceco.hwcollection collection](#) (version 1.0.5).

To install it use: `ansible-galaxy collection install hwceco.hwcollection`.

To use it in a playbook, specify: `hwceco.hwcollection.hwc_vpc_subnet`.

New in version 1.0.0: of hwceco.hwcollection

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

Synopsis

- Creates and manages a resource of Vpc/Subnet in Huawei Cloud.

Requirements

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

- huaweicloudsdkcore >= 3.0.47
- huaweicloudsdkvpc >= 3.0.47

Parameters

Notes

Note:

- For authentication, you can set `access_key` using the ``ANSIBLE_HWC_ACCESS_KEY`` env variable.
- For authentication, you can set `secret_key` using the ``ANSIBLE_HWC_SECRET_KEY`` env variable.
- For authentication, you can set `project_id` using the ``ANSIBLE_HWC_PROJECT_ID`` env variable.
- For authentication, you can set `region` using the ``ANSIBLE_HWC_REGION`` env variable.

- For authentication, you can set identity_endpoint using the `ANSIBLE_HWC_IDENTITY_ENDPOINT` env variable.
 - For authentication, you can set cloud using the `ANSIBLE_HWC_CLOUD` env variable.
 - Environment variables values will only be used if the playbook values are not set.
-

Examples

```
# create subnet
- name: create vpc
  hwc_vpc:
    cidr: "192.168.100.0/24"
    name: "ansible_network_vpc_test"
  register: vpc
- name: create subnet
  hwc_vpc_subnet:
    filters:
      - "name"
    vpc_id: "{{ vpc.state.id }}"
    cidr: "192.168.100.0/26"
    gateway_ip: "192.168.100.32"
    name: "ansible_network_subnet_test"
    dhcp_enable: True
```

Return Values

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

Authors

- Huawei (@huaweicloud)