

(Ansible Integration)

ECS, SLB, VPC – Sign Off

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Version History

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| --- | --- | --- | --- |
| Version | Date | Name | Description of Change |
| V1.0 | 03/17/2017 | Shrutika Mendhe | Draft is created |
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Reviewers

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| --- | --- | --- | --- |
| Name | Version Approved | Role | Date |
| Sandeep Thakre | V1.0 | Project Manager | 03/17/2017 |
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# Introduction

## Purpose

This document signifies sign-off of the delivered solution included in Milestone 1 i.e. Ansible Modules for Elastic Computing Services (ECS), Virtual Private Cloud (VPC) and Server Load Balancer (SLB). It verifies what deliverables are being turned over to the Aliyun and that the Aliyun Team has accepted/approved those deliverables.

## Project Summary

|  |  |
| --- | --- |
| **Project Name** | Ansible Integration – ECS, VPC, SLB Modules |
| **Project Sponsor** | Alibaba Inc. |
| **Project Manager** | Sandeep Thakre |
| **Project Description** | The objective of the project is to develop Ansible modules for Elastic Computing Services (ECS), Virtual Private Cloud (VPC) and Server Load Balancer (SLB) services of Aliyun Cloud. |

# Project Deliverables

## Ansible Modules

Below are list of modules and interfaces implement in scope of Milestone 1. The Modules are available at <https://github.com/alibaba/ansible-provider/tree/0.1/module>.

|  |  |
| --- | --- |
| **#** | **Interfaces** |
| **Elastic Compute Service** | |
| **Instance Related Interface** | |
| 1 | Creating an instance |
| 2 | Modifying Instance Attributes |
| 3 | Querying Instance Status |
| 4 | Adding an Instance to a Security Group |
| 5 | Removing an Instance from a Security Group |
| **Disk Related Interfaces** | |
| 6 | Creating a Disk |
| 7 | Attaching a Disk |
| 8 | Detaching a Disk |
| 9 | Deleting a Disk |
| **Image Related Interfaces** | |
| 10 | Creating a User-defined Image |
| 11 | Deleting a User-defined Image |
| **Security Group Related Interfaces** | |
| 12 | Creating a Security Group |
| 13 | Authorizing Security Group |
| 14 | Querying the Security Group List |
| 15 | Deleting a Security Group |
| **Server Load Balancer** | |
| **Load Balancer** | |
| 16 | Create Load Balancer |
| 17 | Modify Load balancer Internet Spec |
| 18 | Delete Load Balancer |
| 19 | Set Load Balancer Status (Enable/Disable) |
| 20 | Set Load Balancer Name (Alias) |
| **Backend Server** | |
| 21 | Add backend Server |
| 22 | Remove backend Server |
| 23 | Set Backend server |
| 24 | Describe Health status of backend server |
| **VServer Group** | |
| 25 | Create VServer Group |
| 26 | Set VServer Group Attribute |
| 27 | Add VServer Group Backend Servers |
| 28 | Remove VServer Group Backend Servers |
| 29 | Modify VServer Group Backend Servers |
| 30 | Delete VServer Group |
| Virtual Private Cloud | |
| **VPC** | |
| 31 | Creating a VPC |
| 32 | Deleting a VPC |
| **VSwitch** | |
| 33 | Creating a VSwitch |
| 34 | Deleting a VSwitch |
| 35 | Querying the VSwitch list |
| **VRouter** | |
| 36 | Querying the VRouter list |
| **Route Entry** | |
| 37 | Creating a custom route |
| 38 | Deleting a custom route |
| **Network related interfaces** | |
| 39 | Requesting EIPs |
| 40 | Binding EIPs |
| 41 | Modifying EIP attributes |
| 42 | Unbinding EIPs |
| 43 | Releasing EIPs |

## Other

### UAT Scripts

|  |  |  |
| --- | --- | --- |
| **#** | **Interfaces** | **Link** |
| **Elastic Compute Service** | | |
| **Instance Related Interface** | | |
| 1 | Creating an instance | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/instance/ecs_create_instance> |
| 2 | Modifying Instance Attributes | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/instance/ecs_modify_instance_attributes> |
| 3 | Querying Instance Status | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/instance/ecs_querying_instance_status> |
| 4 | Adding an Instance to a Security Group | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/instance/ecs_add_ecs_instance_to_sec_group> |
| 5 | Removing an Instance from a Security Group | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/instance/ecs_remove_ecs_instance_from_sec_group> |
| **Disk Related Interfaces** | | |
| 6 | Creating a Disk | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/disks/ecs_create_disk> |
| 7 | Attaching a Disk | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/disks/ecs_attach_disk> |
| 8 | Detaching a Disk | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/disks/ecs_detach_disk> |
| 9 | Deleting a Disk | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/disks/ecs_delete_disk> |
| **Image Related Interfaces** | | |
| 10 | Creating a User-defined Image | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/images/ecs_create_custom_image> |
| 11 | Deleting a User-defined Image | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/images/ecs_delete_custom_image> |
| **Security Group Related Interfaces** | | |
| 12 | Creating a Security Group | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/groups/securitygroup_create_sec_group> |
| 13 | Authorizing Security Group | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/groups/securitygroup_authorize_sec_group> |
| 14 | Querying the Security Group List | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/groups/securitygroup_query_sec_group_list> |
| 15 | Deleting a Security Group | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/ecs/groups/securitygroup_delete_sec_group> |
| **Server Load Balancer** | | |
| **Load Balancer** | | |
| 16 | Create Load Balancer | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/create_load_balancer> |
| 17 | Modify Load balancer Internet Spec | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/modify_load_balancer_internet_spec> |
| 18 | Delete Load Balancer | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/delete_load_balancer> |
| 19 | Set Load Balancer Status (Enable/Disable) | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/set_load_balancer_status> |
| 20 | Set Load Balancer Name (Alias) | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/set_load_balancer_name> |
| **Backend Server** | | |
| 21 | Add backend Server | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/add_backend_servers> |
| 22 | Remove backend Server | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/remove_backend_servers> |
| 23 | Set Backend server | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/set_backend_servers> |
| 24 | Describe Health status of backend server | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/describe_health_status_of_backend_server> |
| **VServer Group** | | |
| 25 | Create VServer Group | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/create_vserver_group> |
| 26 | Set VServer Group Attribute | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/set_vserver_group_attribute> |
| 27 | Add VServer Group Backend Servers | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/add_vserver_group_backend_servers> |
| 28 | Remove VServer Group Backend Servers | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/remove_vserver_group_backend_servers> |
| 29 | Modify VServer Group Backend Servers | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/modify_vserver_group_backend_server> |
| 30 | Delete VServer Group | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/slb/delete_vserver_group> |
| Virtual Private Cloud | | |
| **VPC** | | |
| 31 | Creating a VPC | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/create_vpc> |
| 32 | Deleting a VPC | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/delete_vpc> |
| **VSwitch** | | |
| 33 | Creating a VSwitch | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/create_vswitch> |
| 34 | Deleting a VSwitch | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/delete_vswitch> |
| 35 | Querying the VSwitch list | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/querying_vswitch_list> |
| **VRouter** | | |
| 36 | Querying the VRouter list | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/querying_vrouter_list> |
| **Route Entry** | | |
| 37 | Creating a custom route | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/creating_custom_route> |
| 38 | Deleting a custom route | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/deleting_custom_route> |
| **Network related interfaces** | | |
| 39 | Requesting EIPs | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/request_eip> |
| 40 | Binding EIPs | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/binding_eip> |
| 41 | Modifying EIP attributes | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/modifying_eip> |
| 42 | Unbinding EIPs | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/unbinding_eip> |
| 43 | Releasing EIPs | <https://github.com/alibaba/ostsdocs/tree/master/UAT/test-script/playbooks/vpc/releasing_eip> |

### Packages

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Package** | **Version** | **Source URL** |
| 1 | footmark | 1.6.1 | <https://github.com/alibaba/footmark/tree/0.1> |
| 2 | ecsutils | 1.2.0 | <https://github.com/alibaba/ansible-provider/blob/0.1/utils> |

### Travis CI

The Travis CI scripts are available at <https://github.com/alibaba/ansible-provider/tree/0.1/roles>. Import GitHub repository on <https://travis-ci.com> to configure auto build check on commit.

### Help Documentation/ Deployment Documentation

The help documentation for modules developed in Milestone 1 is available at <https://github.com/alibaba/ansible-provider-docs>.

# Sign-off: Approval or Rejection

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| --- | --- | --- | --- |
| **Name and Title of Approver** | **Decision** | **Sign-Off Remark** | **Date** |
| YueWang ([demon.wy@alibaba-inc.com](mailto:demon.wy@alibaba-inc.com))  **Senior Developer** |  | Yue Wang | 2017/3/27 |

# Next Steps

1. After approval received, Click2Cloud team will update footmark and ecsutils packages on Python Package repository.
2. Set up Travis CI tool for <https://github.com/alibaba/ansible-provider> repository.
3. Development and release of other modules i.e. RDS and OSS.

# Point of Contact

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| --- | --- | --- |
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| Shrutika Mendhe | Sr. Lead Software Design Engineer | [shrutika.mendhe@click2cloud.net](mailto:shrutika.mendhe@click2cloud.net) |
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