
python-tripleodash Documentation

Release

OpenStack Foundation

February 26, 2016

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This is a terminal Dashboard for TripleO. It aims to provide an overview of the deployment by showing you the images, nodes and Heat stack all together. This helps you see your progress when deploying and will also help when troubleshooting.

Usage

You can either install tripleodash system wide.

```
$ source ~/.stackrc
$ pip install python-tripleodash
$ tripleodash
```

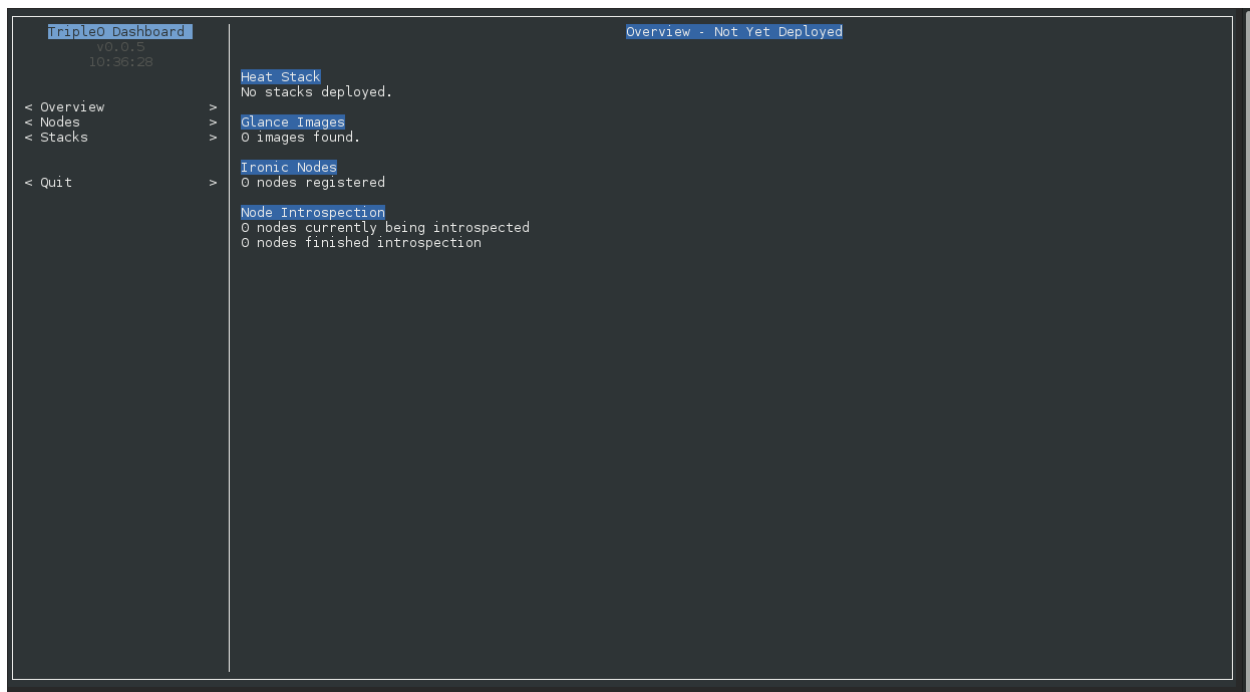
Or, run it in a virtualenv with Tox. This may be favourable if you want to run tripleodash without touching the system Python install.

```
$ source ~/.stackrc
$ git clone https://github.com/d0ugal/python-tripleodash.git
$ cd python-tripleodash
$ tox -e venv -- tripleodash
```

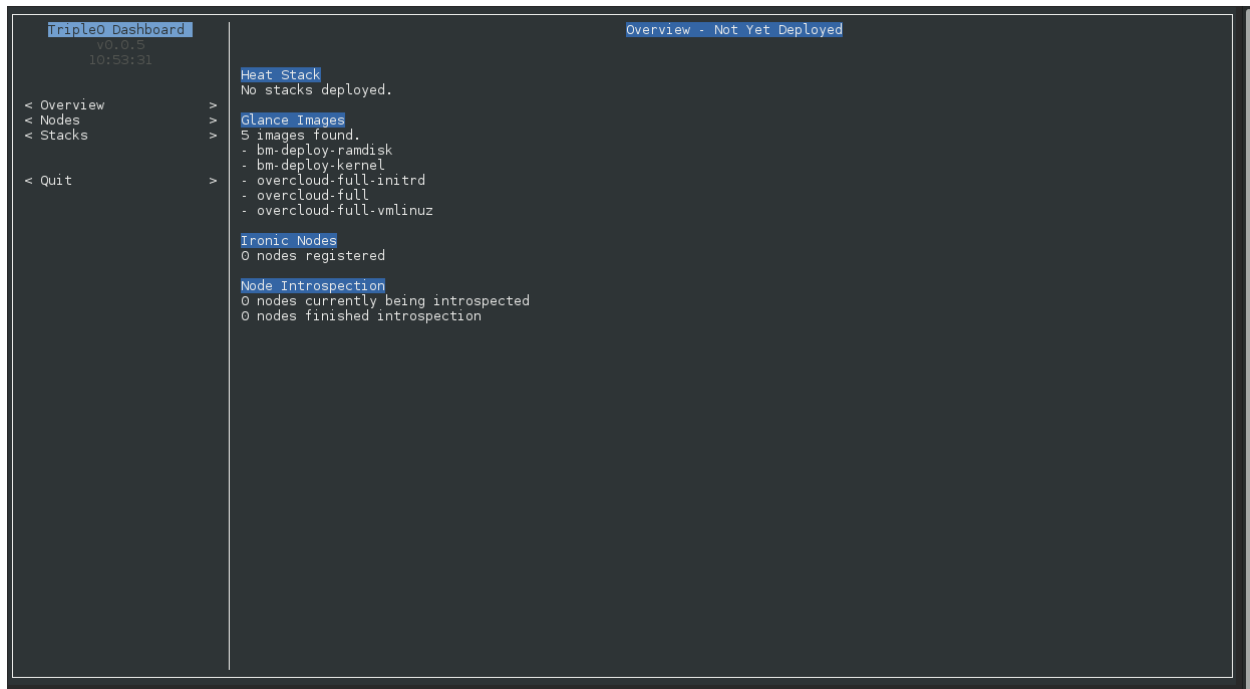
Note: If you don't have a pip and tox package for your system, install pip with [get-pip.py](#) and then `sudo pip install tox`

Screenshots

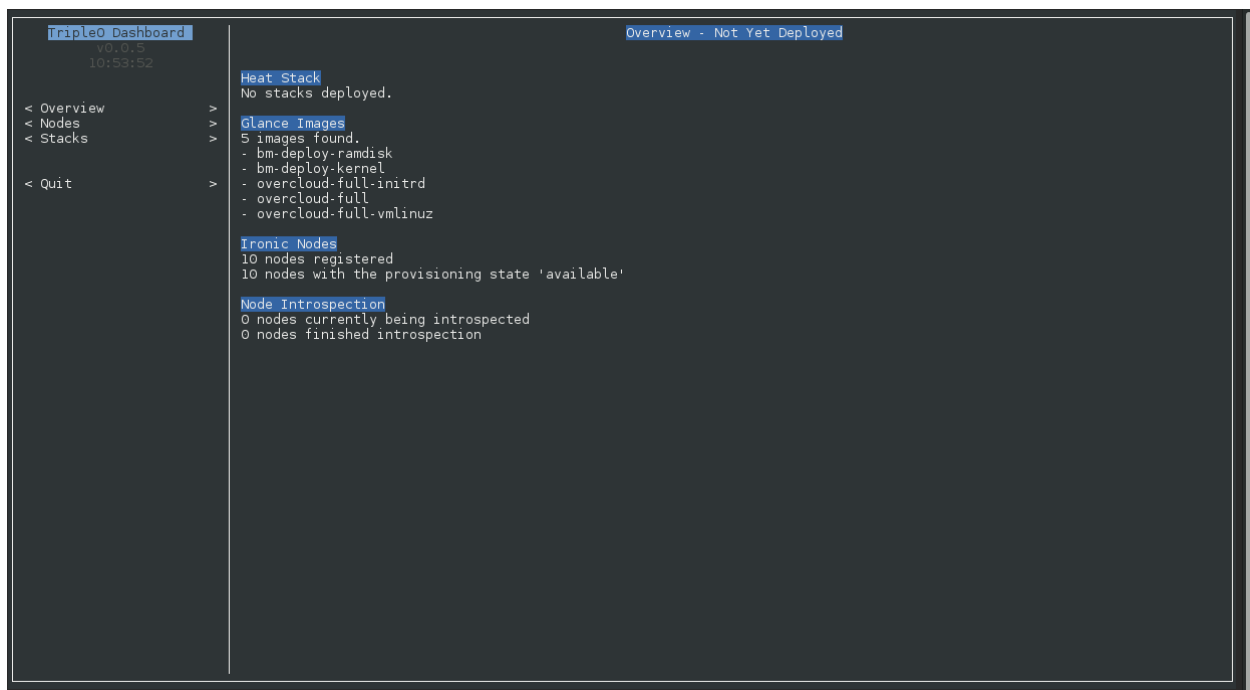
2.1 A fresh undercloud



2.2 After uploading images



2.3 Registering baremetal nodes



2.4 Viewing a table of the nodes

TripleO Dashboard

v0.0.5

10:54:05

< Overview

< Nodes

< Stacks

< Quit

Nodes

UUID	Instance UUID	Power State	Provision State
45bc507e-9930-4c26-ac2a-3cf2c085156c	None	power off	available
00780944-f3e4-422e-b2b4-6a37dc3d8b6b	None	power off	available
7231b59d-2684-4107-ad4c-696968966896	None	power off	available
c0c4344f-c981-4241-baa5-911bcb66aa83	None	power off	available
27f8883b-aecf-41d2-837c-b5c4f21636f1	None	power off	available
97539187-785b-4e90-87fe-8cd34dbe092b	None	power off	available
1ef5e5f4-84e5-4025-90a2-8c6f0f2a1510	None	power off	available
28b33804-1fc5-4902-9dc8-60e087e518fc	None	power off	available
de40ef04-28e2-44da-8243-926df8bd905f	None	power off	available
553d7c20-3d62-4978-9db2-0349bd8c61da	None	power off	available

2.5 Introspecting the nodes

triple0 Dashboard v0.0.5 10:56:03 < Overview < Nodes < Stacks < Quit	Overview - Not Yet Deployed Heat Stack No stacks deployed. Glance Images 5 images found. - bm-deploy-ramdisk - bm-deploy-kernel - overcloud-full-initrd - overcloud-full - overcloud-full-vmlinuz Ironic Nodes 10 nodes registered 10 nodes with the provisioning state 'manageable' Node Introspection 9 nodes currently being introspected 1 nodes finished introspection
---	---

2.6 Viewing a table of the nodes during introspection

tripleO Dashboard		Nodes			
v0.0.5 10:56:54		UUID	Instance UUID	Power State	Provision State
< Overview	>	45bc507e-9930-4c26-ac2a-3cf2c085156c	None	power off	manageable
< Nodes	>	00780944-f3e4-422e-b2b4-6a37dc3d8b6b	None	power off	manageable
< Stacks	>	7231b59d-2684-4107-ad4c-696968966896	None	power off	manageable
		c0c4344f-c981-4241-baa5-911bcb66aa83	None	power off	manageable
		27f8883b-aecf-41d2-837c-b5c4f21636f1	None	power off	manageable
< Quit	>	97539187-785b-4e90-87fe-8cd34dbe092b	None	power on	manageable
		1ef5e5f4-84e5-4025-90a2-8c6f0f2a1510	None	power on	manageable
		28b33804-1fc5-4902-9dcb-60e087e518fc	None	power on	manageable
		de40ef04-28e2-44da-8243-926df8bd905f	None	power on	manageable
		553d7c20-3d62-4978-9db2-0349bd8c61da	None	power on	manageable

2.7 Starting a deploy

tripleO Dashboard		Overview - Deploy In Progress			
v0.0.5 11:13:50					
< Overview	>				
< Nodes	>				
< Stacks	>				
< Quit	>				
		Ironi Nodes 10 nodes registered 10 nodes with the provisioning state 'available' Stack 'overcloud' status: CREATE_IN_PROGRESS 2016-02-15 11:13:50 [MySQLClusterUniquePart]: CREATE_COMPLETE state changed 2016-02-15 11:13:50 [HeatAuthEncryptionKey]: CREATE_COMPLETE state changed 2016-02-15 11:13:50 [overcloud-VipConfig-xvw7p2vndkcw]: CREATE_IN_PROGRESS Stack CREATE started 2016-02-15 11:13:50 [VipConfigImpl]: CREATE_IN_PROGRESS state changed 2016-02-15 11:13:50 [VipConfigImpl]: CREATE_COMPLETE state changed 2016-02-15 11:13:50 [overcloud-VipConfig-xvw7p2vndkcw]: CREATE_COMPLETE Stack CREATE completed successfully 2016-02-15 11:13:50 [StorageNetwork]: CREATE_IN_PROGRESS state changed 2016-02-15 11:13:50 [StorageMgmtNetwork]: CREATE_IN_PROGRESS state changed 2016-02-15 11:13:50 [ExternalNetwork]: CREATE_IN_PROGRESS state changed 2016-02-15 11:13:50 [ManagementNetwork]: CREATE_IN_PROGRESS state changed 2016-02-15 11:13:50 [StorageNetwork]: CREATE_COMPLETE state changed 2016-02-15 11:13:50 [InternalNetwork]: CREATE_COMPLETE state changed 2016-02-15 11:13:50 [StorageMgmtNetwork]: CREATE_COMPLETE state changed 2016-02-15 11:13:50 [ManagementNetwork]: CREATE_COMPLETE state changed 2016-02-15 11:13:50 [TenantNetwork]: CREATE_COMPLETE state changed 2016-02-15 11:13:50 [overcloud-Networks-z5wbmbllvvhoy-ManagementNetwork-lkuegoapidzm]: CREATE_IN_PROGRESS Stack CREATE started 2016-02-15 11:13:50 [overcloud-Networks-z5wbmbllvvhoy-ManagementNetwork-lkuegoapidzm]: CREATE_COMPLETE Stack CREATE completed successfully 2016-02-15 11:13:50 [overcloud-Networks-z5wbmbllvvhoy-InternalNetwork-46ubdwksotrm]: CREATE_IN_PROGRESS Stack CREATE started 2016-02-15 11:13:50 [overcloud-Networks-z5wbmbllvvhoy-InternalNetwork-46ubdwksotrm]: CREATE_COMPLETE Stack CREATE completed successfully 2016-02-15 11:13:50 [overcloud-Networks-z5wbmbllvvhoy-StorageMgmtNetwork-Sytegdb2t4xy]: CREATE_IN_PROGRESS Stack CREATE started			

2.8 The progress of a deploy

```

TripleO Dashboard
v0.0.5
11:16:47

< Overview
< Nodes
< Stacks
< Quit

Overview - Deploy In Progress

Ironic Nodes
10 nodes registered
8 nodes with the provisioning state 'available'
2 nodes with the provisioning state 'active'

Stack 'overcloud' status: CREATE_IN_PROGRESS
2016-02-15 11:16:29 [NetIPMap]: CREATE_COMPLETE state changed
2016-02-15 11:16:29 [NetworkConfig]: CREATE_COMPLETE state changed
2016-02-15 11:16:29 [NetworkDeployment]: CREATE_IN_PROGRESS state changed
2016-02-15 11:16:30 [NetIPMap]: CREATE_IN_PROGRESS state changed
2016-02-15 11:16:30 [NetworkConfig]: CREATE_IN_PROGRESS state changed
2016-02-15 11:16:32 [NetIPSubnetMap]: CREATE_COMPLETE state changed
2016-02-15 11:16:32 [NetIPMap]: CREATE_COMPLETE state changed
2016-02-15 11:16:33 [NetworkConfig]: CREATE_COMPLETE state changed
2016-02-15 11:16:33 [NetworkDeployment]: CREATE_IN_PROGRESS state changed
2016-02-15 11:16:36 [UpdateDeployment]: SIGNAL_IN_PROGRESS Signal: deployment succeeded
2016-02-15 11:16:37 [UpdateDeployment]: CREATE_COMPLETE state changed
2016-02-15 11:16:38 [NetworkDeployment]: SIGNAL_IN_PROGRESS Signal: deployment succeeded
2016-02-15 11:16:38 [NetworkDeployment]: CREATE_COMPLETE state changed
2016-02-15 11:16:39 [NovaComputeDeployment]: CREATE_IN_PROGRESS state changed
2016-02-15 11:16:40 [UpdateDeployment]: SIGNAL_IN_PROGRESS Signal: deployment succeeded
2016-02-15 11:16:41 [UpdateDeployment]: CREATE_COMPLETE state changed
2016-02-15 11:16:42 [NetworkDeployment]: SIGNAL_IN_PROGRESS Signal: deployment succeeded
2016-02-15 11:16:42 [NetworkDeployment]: CREATE_COMPLETE state changed
2016-02-15 11:16:42 [NodeTLSCADData]: CREATE_IN_PROGRESS state changed
2016-02-15 11:16:43 [NodeTLSCADData]: CREATE_COMPLETE state changed

```

2.9 Seeing instances being assigned in the node list

```

TripleO Dashboard
v0.0.5
11:17:29

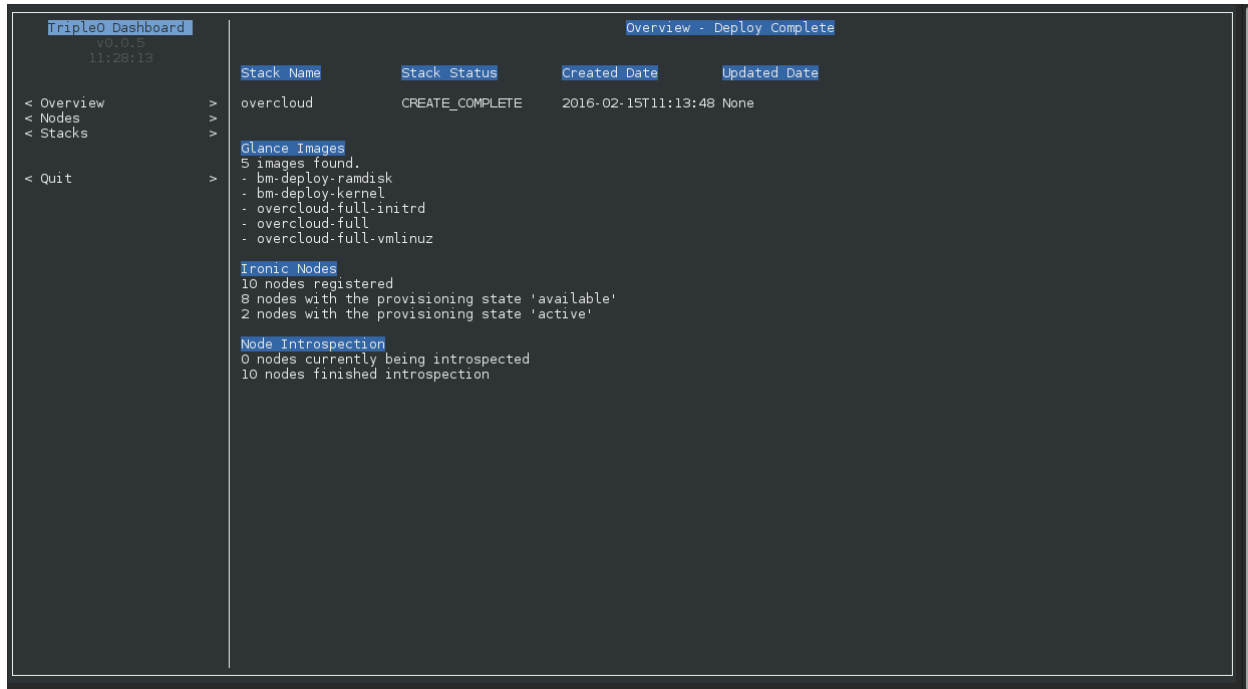
< Overview
< Nodes
< Stacks
< Quit

Nodes

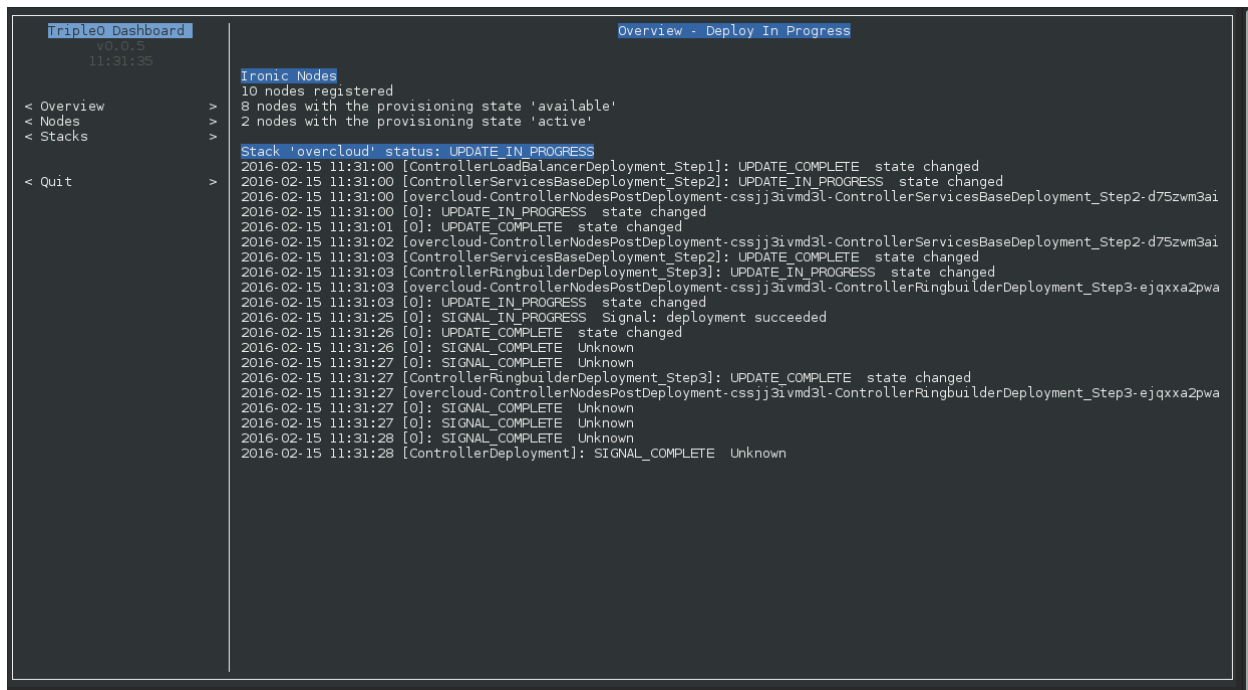
UUID                                Instance UUID                                Power State                                Provision State
45bc507e-9930-4c26-ac2a-3cf2c085156c    None                                           power off                                available
00780944-f3e4-422e-b2b4-6a37dc3d8b6b    None                                           power off                                available
7231b59d-2684-4107-ad4c-6969689c6896    None                                           power off                                available
60c4344f-c981-4241-baa5-911bc66aa893    None                                           power off                                available
27f8883b-aecf-41d2-837e-b5c4f21636f1    None                                           power off                                available
97539187-785b-4e90-87fe-8cd34dbe092b    74d9f67f-db1a-4f14-a333-27e719d15c04        power on                                active
1ef5e5f4-84e5-4025-90a2-8c6f0f2a1510    None                                           power off                                available
28b33804-1fc5-4902-9dcb-60a087e518fc    None                                           power off                                available
de40ef04-28e2-44da-8243-926df8bd905f    None                                           power off                                available
553d7c20-3d62-4978-9db2-0349bd8c61da    9b1c9b66-47f8-40c0-aa35-e4b37a27d12f        power on                                active

```

2.10 After a deploy is finished



2.11 Updating a deployment



2.12 A failed deployment

```
tripleO Dashboard
V0.0.5
11:32:49

< Overview
< Nodes
< Stacks
< Quit

>
>
>
>

Ironic Nodes
10 nodes registered
8 nodes with the provisioning state 'available'
2 nodes with the provisioning state 'active'

Stack 'overcloud' status: UPDATE_FAILED
Failed resource: ControllerNodesPostDeployment
Status reason: resources.ControllerNodesPostDeployment: resources.ControllerOvercloudServicesDeployment_Step4: Error:
resources[0]: Deployment to server failed: deploy_status_code : Deployment exited with non-zero status code: 4

Failed resource: ControllerOvercloudServicesDeployment_Step4
Status reason: resources.ControllerOvercloudServicesDeployment_Step4: Error: resources[0]: Deployment to server failed:
deploy_status_code : Deployment exited with non-zero status code: 4

Failed resource: 0
Status reason: Error: resources[0]: Deployment to server failed: deploy_status_code : Deployment exited with non-zero
status code: 4
```