

Documentação da instalação da ferramenta de testes do OpenStack, Rally®, e apresentação dos resultados da execução dos cenários *smoke test*. Para a execução dos procedimentos aqui realizados utiliza-se como referência o artigo disponível em:

<<https://www.mirantis.com/blog/rally-openstack-tempest-testing-made-simpler/>>.

Acesso em: 20 nov. 2015

1. Download do Rally® através do repositório do *github* e execução do *script* “install_rally.sh”:

```
$ git clone https://github.com/openstack/rally.git
$ cd ./rally && sudo ./install_rally.sh
```

2. Adicionando a nuvem no ambiente do Rally®:

```
# source /home/labepi/admin-openrc.sh
# rally deployment create --fromenv --name labepi-cloud
```

3. Listagem das nuvens disponíveis no Rally®:

```
# rally deployment list
```

4. Verificando os serviços disponíveis da nuvem implantada no Rally®:

```
# rally deployment check
```

5. Executando um comando de teste para obter a opção de instalação do Tempest:

```
# rally verify start
```

OSB.: Após este comando, deve-se aceitar a opção de clonagem do repositório e instalação do Tempest.

6. Executando o Rally® Tempest *smoke test*:

```
# rally verify start --set smoke
```

7. Exibindo os detalhes da execução do *smoke test*:

```
# rally verify show b93281fd-d1c3-4270-a3c3-b3a335a0c6bb
```

8. Detalhes dos resultados obtidos:

```
root@controller:~# rally verify show b93281fd-d1c3-4270-a3c3-b3a335a0c6bb
Total results of verification:
```

UUID	Deployment UUID	Set name	Tests	Failures	Created at	Status
b93281fd-d1c3-4270-a3c3-b3a335a0c6bb	e71f96d4-35a6-4b08-b88c-cf5abf6087cd	smoke	187	6	2015-11-21 19:36:15.079385	finished

Tests:

name	time	status
tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_get_flavor	0.44020	success
tempest.api.compute.flavors.test_flavors.FlavorsV2TestJSON.test_list_flavors	0.93029	success
tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_security_group_rules_create	1.93793	success
tempest.api.compute.security_groups.test_security_group_rules.SecurityGroupRulesTestJSON.test_security_group_rules_list	0.85438	success
tempest.api.compute.security_groups.test_security_groups.SecurityGroupsTestJSON.test_security_groups_create_list_delete	4.44781	success
tempest.api.compute.servers.test_attach_interfaces.AttachInterfacesTestJSON.test_add_remove_fixed_ip	9.76935	success
tempest.api.compute.servers.test_create_server.ServersTestJSON.test_list_servers	0.06226	success
tempest.api.compute.servers.test_create_server.ServersTestJSON.test_verify_server_details	0.00100	success
tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_list_servers	0.21458	success
tempest.api.compute.servers.test_create_server.ServersTestManualDisk.test_verify_server_details	0.00137	success
tempest.api.compute.servers.test_server_actions.ServerActionsTestJSON.test_reboot_server_hard	4.14496	success
tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresses	0.06388	success
tempest.api.compute.servers.test_server_addresses.ServerAddressesTestJSON.test_list_server_addresses_by_network	0.11942	success
tempest.api.data_processing.test_cluster_templates.ClusterTemplateTest.test_cluster_template_create	0.0	skip
tempest.api.data_processing.test_cluster_templates.ClusterTemplateTest.test_cluster_template_delete	0.0	skip
tempest.api.data_processing.test_cluster_templates.ClusterTemplateTest.test_cluster_template_get	0.0	skip
tempest.api.data_processing.test_cluster_templates.ClusterTemplateTest.test_cluster_template_list	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_external_hdfs_data_source_create	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_external_hdfs_data_source_delete	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_external_hdfs_data_source_get	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_external_hdfs_data_source_list	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_local_hdfs_data_source_create	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_local_hdfs_data_source_delete	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_local_hdfs_data_source_get	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_local_hdfs_data_source_list	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_swift_data_source_create	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_swift_data_source_delete	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_swift_data_source_get	0.0	skip
tempest.api.data_processing.test_data_sources.DataSourceTest.test_swift_data_source_list	0.0	skip
tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_internal_db_job_binary_create	0.0	skip
tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_internal_db_job_binary_delete	0.0	skip
tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_internal_db_job_binary_get	0.0	skip

tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_internal_db_job_binary_list	0.0	skip
tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_job_binary_get_data	0.0	skip
tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_swift_job_binary_create	0.0	skip
tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_swift_job_binary_delete	0.0	skip
tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_swift_job_binary_get	0.0	skip
tempest.api.data_processing.test_job_binaries.JobBinaryTest.test_swift_job_binary_list	0.0	skip
tempest.api.data_processing.test_job_binary_internals.JobBinaryInternalTest.test_job_binary_internal_create	0.0	skip
tempest.api.data_processing.test_job_binary_internals.JobBinaryInternalTest.test_job_binary_internal_delete	0.0	skip
tempest.api.data_processing.test_job_binary_internals.JobBinaryInternalTest.test_job_binary_internal_get	0.0	skip
tempest.api.data_processing.test_job_binary_internals.JobBinaryInternalTest.test_job_binary_internal_get_data	0.0	skip
tempest.api.data_processing.test_job_binary_internals.JobBinaryInternalTest.test_job_binary_internal_list	0.0	skip
tempest.api.data_processing.test_jobs.JobTest.test_job_create	0.0	skip
tempest.api.data_processing.test_jobs.JobTest.test_job_delete	0.0	skip
tempest.api.data_processing.test_jobs.JobTest.test_job_get	0.0	skip
tempest.api.data_processing.test_jobs.JobTest.test_job_list	0.0	skip
tempest.api.data_processing.test_node_group_templates.NodeGroupTemplateTest.test_node_group_template_create	0.0	skip
tempest.api.data_processing.test_node_group_templates.NodeGroupTemplateTest.test_node_group_template_delete	0.0	skip
tempest.api.data_processing.test_node_group_templates.NodeGroupTemplateTest.test_node_group_template_get	0.0	skip
tempest.api.data_processing.test_node_group_templates.NodeGroupTemplateTest.test_node_group_template_list	0.0	skip
tempest.api.data_processing.test_plugins.PluginsTest.test_plugin_get	0.0	skip
tempest.api.data_processing.test_plugins.PluginsTest.test_plugin_list	0.0	skip
tempest.api.database.flavors.test_flavors.DatabaseFlavorsTest.test_compare_db_flavors_with_os	0.0	skip
tempest.api.database.flavors.test_flavors.DatabaseFlavorsTest.test_get_db_flavor	0.0	skip
tempest.api.database.flavors.test_flavors.DatabaseFlavorsTest.test_list_db_flavors	0.0	skip
tempest.api.database.limits.test_limits.DatabaseLimitsTest.test_absolute_limits	0.0	skip
tempest.api.database.versions.test_versions.DatabaseVersionsTest.test_list_db_versions	0.0	skip
tempest.api.identity.admin.v2.test_services.ServicesTestJSON.test_list_services	2.11635	success
tempest.api.identity.admin.v2.test_users.UsersTestJSON.test_create_user	0.66178	success
tempest.api.identity.admin.v3.test_credentials.CredentialsTestJSON.test_credentials_create_get_update_delete	0.86161	success
tempest.api.identity.admin.v3.test_domains.DefaultDomainTestJSON.test_default_domain_exists	0.13688	success
tempest.api.identity.admin.v3.test_domains.DomainsTestJSON.test_create_update_delete_domain	1.41076	success
tempest.api.identity.admin.v3.test_endpoints.EndPointsTestJSON.test_update_endpoint	0.85469	success
tempest.api.identity.admin.v3.test_groups.GroupsV3TestJSON.test_group_users add list delete	2.99082	success
tempest.api.identity.admin.v3.test_policies.PoliciesTestJSON.test_create_update_delete_policy	0.71962	success
tempest.api.identity.admin.v3.test_regions.RegionsTestJSON.test_create_region_with_specific_id	0.51630	success
tempest.api.identity.admin.v3.test_roles.RolesV3TestJSON.test_role_create_update_get_list	0.85017	success
tempest.api.identity.admin.v3.test_services.ServicesTestJSON.test_create_update_get_service	0.77821	success
tempest.api.identity.admin.v3.test_trusts.TrustsV3TestJSON.test_get_trusts_all	3.72666	success
tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_media_types	0.18717	success
tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_resources	0.15252	success
tempest.api.identity.v2.test_api_discovery.TestApiDiscovery.test_api_version_statuses	0.20153	success
tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_media_types	0.13269	success
tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_resources	0.13283	success
tempest.api.identity.v3.test_api_discovery.TestApiDiscovery.test_api_version_statuses	0.13435	success
tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_delete_image	1.85114	success
tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_register_upload_get_image_file	0.81014	success

tempest.api.image.v2.test_images.BasicOperationsImagesTest.test_update_image	0.52704	success	
tempest.api.messaging.test_claims.TestClaims.test_query_claim	0.0	skip	
tempest.api.messaging.test_claims.TestClaims.test_query_claim	0.0	skip	
tempest.api.messaging.test_claims.TestClaims.test_release_claim	0.0	skip	
tempest.api.messaging.test_claims.TestClaims.test_update_claim	0.0	skip	
tempest.api.messaging.test_messages.TestMessages.test_delete_multiple_messages	0.0	skip	
tempest.api.messaging.test_messages.TestMessages.test_delete_single_message	0.0	skip	
tempest.api.messaging.test_messages.TestMessages.test_get_message	0.0	skip	
tempest.api.messaging.test_messages.TestMessages.test_get_multiple_messages	0.0	skip	
tempest.api.messaging.test_messages.TestMessages.test_list_messages	0.0	skip	
tempest.api.messaging.test_messages.TestMessages.test_post_messages	0.0	skip	
tempest.api.messaging.test_queues.TestManageQueue.test_check_queue_existence	0.0	skip	
tempest.api.messaging.test_queues.TestManageQueue.test_check_queue_head	0.0	skip	
tempest.api.messaging.test_queues.TestManageQueue.test_get_queue_stats	0.0	skip	
tempest.api.messaging.test_queues.TestManageQueue.test_list_queues	0.0	skip	
tempest.api.messaging.test_queues.TestManageQueue.test_set_and_get_queue_metadata	0.0	skip	
tempest.api.messaging.test_queues.TestQueues.test_create_delete_queue	0.0	skip	
tempest.api.network.test_extensions.ExtensionsTestJSON.test_list_show_extensions	0.63917	success	
tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_floating_ip_specifying_a_fixed_ip_address	0.55382	success	
tempest.api.network.test_floating_ips.FloatingIPTestJSON.test_create_list_show_update_delete_floating_ip	1.13637	success	
tempest.api.network.test_networks.BulkNetworkKopsIPV6TestJSON.test_bulk_create_delete_network	0.87665	success	
tempest.api.network.test_networks.BulkNetworkKopsIPV6TestJSON.test_bulk_create_delete_port	1.48829	success	
tempest.api.network.test_networks.BulkNetworkKopsIPV6TestJSON.test_bulk_create_delete_subnet	3.25860	success	
tempest.api.network.test_networks.BulkNetworkKopsTestJSON.test_bulk_create_delete_network	0.95171	success	
tempest.api.network.test_networks.BulkNetworkKopsTestJSON.test_bulk_create_delete_port	1.29336	success	
tempest.api.network.test_networks.BulkNetworkKopsTestJSON.test_bulk_create_delete_subnet	0.95378	success	
tempest.api.network.test_networks.NetworksIPV6TestAttrs.test_create_update_delete_network_subnet	0.54622	success	
tempest.api.network.test_networks.NetworksIPV6TestAttrs.test_external_network_visibility	0.04071	success	
tempest.api.network.test_networks.NetworksIPV6TestAttrs.test_list_networks	0.02706	success	
tempest.api.network.test_networks.NetworksIPV6TestAttrs.test_list_subnets	0.01801	success	
tempest.api.network.test_networks.NetworksIPV6TestAttrs.test_show_network	0.02525	success	
tempest.api.network.test_networks.NetworksIPV6TestAttrs.test_show_subnet	0.01722	success	
tempest.api.network.test_networks.NetworksIPV6TestJSON.test_create_update_delete_network_subnet	1.22931	success	
tempest.api.network.test_networks.NetworksIPV6TestJSON.test_external_network_visibility	0.10390	success	
tempest.api.network.test_networks.NetworksIPV6TestJSON.test_list_networks	0.06395	success	
tempest.api.network.test_networks.NetworksIPV6TestJSON.test_list_subnets	0.01636	success	
tempest.api.network.test_networks.NetworksIPV6TestJSON.test_show_network	0.05399	success	
tempest.api.network.test_networks.NetworksIPV6TestJSON.test_show_subnet	0.05111	success	
tempest.api.network.test_networks.NetworksTest.test_create_update_delete_network_subnet	0.61037	success	
tempest.api.network.test_networks.NetworksTest.test_external_network_visibility	0.03567	success	
tempest.api.network.test_networks.NetworksTest.test_list_networks	0.01035	success	
tempest.api.network.test_networks.NetworksTest.test_list_subnets	0.01957	success	
tempest.api.network.test_networks.NetworksTest.test_show_network	0.02391	success	
tempest.api.network.test_networks.NetworksTest.test_show_subnet	0.01513	success	
tempest.api.network.test_ports.PortsIPV6TestJSON.test_create_port_in_allowed_allocation_pools	1.45464	success	
tempest.api.network.test_ports.PortsIPV6TestJSON.test_create_port_with_no_securitygroups	1.30616	success	

tempest.api.network.test_ports.PortsIPV6TestJSON.test_create_update_delete_port	0.40108	success	
tempest.api.network.test_ports.PortsIPV6TestJSON.test_list_ports	0.02686	success	
tempest.api.network.test_ports.PortsIPV6TestJSON.test_show_port	0.02561	success	
tempest.api.network.test_ports.PortsTestJSON.test_create_port_in_allowed_allocation_pools	0.52223	success	
tempest.api.network.test_ports.PortsTestJSON.test_create_port_with_no_securitygroups	0.62019	success	
tempest.api.network.test_ports.PortsTestJSON.test_create_update_delete_port	0.34058	success	
tempest.api.network.test_ports.PortsTestJSON.test_list_ports	0.02672	success	
tempest.api.network.test_ports.PortsTestJSON.test_show_port	0.02801	success	
tempest.api.network.test_routers.RoutersIPV6Test.test_add_multiple_router_interfaces	0.30293	success	
tempest.api.network.test_routers.RoutersIPV6Test.test_add_remove_router_interface_with_port_id	2.31699	success	
tempest.api.network.test_routers.RoutersIPV6Test.test_add_remove_router_interface_with_subnet_id	1.61889	success	
tempest.api.network.test_routers.RoutersIPV6Test.test_create_show_list_update_delete_router	1.03228	success	
tempest.api.network.test_routers.RoutersTest.test_add_multiple_router_interfaces	2.60252	success	
tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_port_id	1.39293	success	
tempest.api.network.test_routers.RoutersTest.test_add_remove_router_interface_with_subnet_id	1.00525	success	
tempest.api.network.test_routers.RoutersTest.test_create_show_list_update_delete_router	0.78798	success	
tempest.api.network.test_security_groups.SecGroupIPV6Test.test_create_list_update_show_delete_security_group	0.63219	success	
tempest.api.network.test_security_groups.SecGroupIPV6Test.test_create_show_delete_security_group_rule	0.36047	success	
tempest.api.network.test_security_groups.SecGroupIPV6Test.test_list_security_groups	0.08370	success	
tempest.api.network.test_security_groups.SecGroupTest.test_create_list_update_show_delete_security_group	1.15510	success	
tempest.api.network.test_security_groups.SecGroupTest.test_create_show_delete_security_group_rule	1.17577	success	
tempest.api.network.test_security_groups.SecGroupTest.test_list_security_groups	0.08647	success	
tempest.api.network.test_subnetpools.SubnetPoolsTestJSON.test_create_list_show_update_delete_subnetpools	0.0	skip	
tempest.api.object_storage.test_account_quotas.AccountQuotasTest.test_admin_modify_quota	0.0	skip	
tempest.api.object_storage.test_account_quotas.AccountQuotasTest.test_update_valid_object	0.0	skip	
tempest.api.object_storage.test_account_services.AccountTest.test_list_account_metadata	0.0	skip	
tempest.api.object_storage.test_account_services.AccountTest.test_list_containers	0.0	skip	
tempest.api.object_storage.test_container_quotas.ContainerQuotasTest.test_upload_large_object	0.0	skip	
tempest.api.object_storage.test_container_quotas.ContainerQuotasTest.test_upload_too_many_objects	0.0	skip	
tempest.api.object_storage.test_container_quotas.ContainerQuotasTest.test_upload_valid_object	0.0	skip	
tempest.api.object_storage.test_container_services.ContainerTest.test_create_container	0.0	skip	
tempest.api.object_storage.test_container_services.ContainerTest.test_list_container_contents	0.0	skip	
tempest.api.object_storage.test_container_services.ContainerTest.test_list_container_metadata	0.0	skip	
tempest.api.object_storage.test_object_services.ObjectTest.test_create_object	0.0	skip	
tempest.api.object_storage.test_object_services.ObjectTest.test_get_object	0.0	skip	
tempest.api.object_storage.test_object_services.ObjectTest.test_list_object_metadata	0.0	skip	
tempest.api.object_storage.test_object_services.ObjectTest.test_update_object_metadata	0.0	skip	
tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_list	0.0	skip	
tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_show	0.0	skip	
tempest.api.orchestration.stacks.test_resource_types.ResourceTypesTest.test_resource_type_template	0.0	skip	
tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_list	0.0	skip	
tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_deployment_metadata	0.0	skip	
tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_get_software_config	0.0	skip	
tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_create_validate	0.0	skip	
tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_no_metadata_change	0.0	skip	
tempest.api.orchestration.stacks.test_soft_conf.TestSoftwareConfig.test_software_deployment_update_with_metadata_change	0.0	skip	

tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_crud_no_resources	0.0	skip	
tempest.api.orchestration.stacks.test_stacks.StacksTestJSON.test_stack_list_responds	0.0	skip	
tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_glance_v1_notifications	3.44816	success	
tempest.api.telemetry.test_telemetry_notification_api.TelemetryNotificationAPITestJSON.test_check_glance_v2_notifications	1.28522	success	
tempest.api.volume.test_volumes_actions.VolumesV1ActionsTest.test_attach_detach_volume_to_instance	0.0	fail	
tempest.api.volume.test_volumes_actions.VolumesV2ActionsTest.test_attach_detach_volume_to_instance	2.16120	success	
tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete	0.67750	fail	
tempest.api.volume.test_volumes_get.VolumesV1GetTest.test_volume_create_get_update_delete_from_image	1.56330	fail	
tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete	78.46531	success	
tempest.api.volume.test_volumes_get.VolumesV2GetTest.test_volume_create_get_update_delete_from_image	1.49329	fail	
tempest.api.volume.test_volumes_list.VolumesV1ListTestJSON.test_volume_list	0.0	fail	
tempest.api.volume.test_volumes_list.VolumesV2ListTestJSON.test_volume_list	0.03456	success	
tempest.scenario.test_network_basic_ops.TestNetworkBasicOps.test_network_basic_ops	250.40544	fail	
tempest.scenario.test_server_basic_ops.TestServerBasicOps.test_server_basicops	14.87250	success	
tempest.scenario.test_server_multinode.TestServerMultinode.test_schedule_to_all_nodes	12.87986	success	
tempest.scenario.test_volume_boot_pattern.TestVolumeBootPattern.test_volume_boot_pattern	3.91726	fail	
tempest.scenario.test_volume_boot_pattern.TestVolumeBootPatternV2.test_volume_boot_pattern	3.72950	fail	