

[7085] [openstack-glance][access policies]

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Test Cases

[199005] Limit access get_images

Set up	Actions	Expected Results
JSON configuration: { "default": [], "get_image": [{"role:admin", "role:superuser"}]}	Perform any of the get_image commands: <ul style="list-style-type: none"> GET /v1/images GET /v1/images/detail GET /v2/images 	Only admin or superadmin roles can perform get_image commands:

Breakdown

[7084] [openstack-glance][caching]

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[199004] Clean pre-cached images repository

Set up	Actions	Expected Results	Breakdown
	TBD		

[199001] List pre-fetched images

Set up	Actions	Expected Results	Breakdown
	glance-cache-manage --host=<HOST> list-cached		

[199000] Prefetch an image

Set up	Actions	Expected Results	Breakdown
	1. glance-cache-manage --host=<HOST> queue-image <IMAGE_ID> 2. Execute: glance-cache-prefetcher	List cached images to verify it is indeed in the cache: glance-cache-manage --host=<HOST> list-cached	

[199003] Prune pre-cached images

Set up	Actions	Expected Results	Breakdown
	TBD		

[199002] Remove a pre-fetch image from the cache

Set up	Actions	Expected Results	Breakdown
	glance-cache-manage --host=<HOST> delete-cached-image <IMAGE_ID>	See that it is deleted from disk and does not appear when executing: glance-cache-manage --host=<HOST> list-cached	[7083] [openstack-glance][update image]

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[198997] Add membership information to an image

Set up	Actions	Expected Results	Breakdown
	PUT http://glance.example.com/v1/images/ <uuid>/members/tenant1		

[198998] Remove membership from an image

Set up	Actions	Expected Results	Breakdown
	DELETE http://glance.example.com/v1/images/ <uuid>/members/tenant1		

[198999] Replace membership of an image

Set up	Actions	Expected Results	Breakdown
	PUT http://glance.example.com/v1/images/ <uuid>/members with JSON body, such as: {'memberships': [{'member_id': 'tenant1', 'can_share': false} ...]}		

[198995] Update image standard metadata

Set up	Actions	Expected Results	Breakdown
	PUT with updated x-image-meta-		

[198996] Update image user-defined metadata

Set up	Actions	Expected Results	Breakdown
	PUT with updated x-image-meta-property-*		

negative cases]

[7082] [openstack-glance][upload images -

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Test Cases

[198992] POST an image with a non-supported storage backend

Set up	Actions	Expected Results	Breakdown
	POST an image with a non-supported storage backend	HTTP error 400	

[198991] POST an image with an existing ID

Set up	Actions	Expected Results	Breakdown
	POST an image with an existing ID	HTTP error 409	

[198994] POST an image with wrong checksum

Set up	Actions	Expected Results	Breakdown
	Wrong checksum (x-image-meta-checksum)		

[198993] POST an image with wrong size (x-image-meta-size)

Set up	Actions	Expected Results	Breakdown
	POST with wrong size (x-image-meta-size)	[7081] [openstack-glance][upload images]	

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Test Cases

[198988] POST an image with default parameters

Set up	Actions	Expected Results	Breakdown
	POST http://glance.example.com/v1/images - metadata about the image is sent to Glance in HTTP headers. - body of the HTTP request contains MIME-encoded disk image data.		

[198990] POST an image with free form metadata

Set up	Actions	Expected Results	Breakdown
	Upload an image (POST http://glance.example.com/v1/images, with metadata x-image-meta-name=NAME) with free-form key-value properties, in the format: x-image-meta-property-NAME=VALUE 1. Test with multiple key-value pairs. (there's a limit of 8K for the overall HTTP headers size) 2. Test with repeat of the same key-value pair - last should 'win'.		

[198989] POST an image with metadata

Set up	Actions	Expected Results	Breakdown
	POST http://glance.example.com/v1/images With metadata: x-image-meta-name: NAME (required) x-image-meta-id: uuid (optional) x-image-meta-store: file/s3/swift x-image-meta-disk_format: aki, ari, ami, raw, iso, vhd, vdi, qcow2, or vmdk. x-image-meta-container_format: aki, ari, ami, bare, or ovf. x-image-meta-size: SIZE - the size is assumed to be SIZE, otherwise an 400 error is returned. x-image-meta-checksum: checksum - MD5 checksum of the image. x-image-meta-is-public: true/false x-image-meta-min-ram, x-image-meta-min-disk - image hints. x-image-meta-owner	[7080] [openstack-glance][API - get image]	

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[198986] Get image metadata

Set up	Actions	Expected Results	Breakdown
	HEAD request to http://glance.example.com/v1/images/<uuid>		

[198987] GET image raw data

size_min=BYTES query parameter

[198976] List images - filtered by name

Set up	Actions	Expected Results	Breakdown
	<ol style="list-style-type: none"> 1. Basic query (GET /v1/images) with name=NAME query parameter 2. Detailed query (GET /v1/images/detail) with name=NAME query parameter 		

[198979] List images - filtered by status

Set up	Actions	Expected Results	Breakdown
	<ol style="list-style-type: none"> 1. Basic query (GET /v1/images) with status=STATUS query parameter 2. Detailed query (GET /v1/images/detail) with status=STATUS query parameter 		

[198982] List images - sorted by key

Set up	Actions	Expected Results	Breakdown
	<ol style="list-style-type: none"> 1. Basic query (GET /v1/images) with sort_key=KEY query parameter 2. Detailed query (GET /v1/images/detail) with sort_key=KEY query parameter 3. Change sorting by specifying sort_dir=asc (desc is the default). 	List is sorted according to key, descending by default, or ascending if sort_dir=asc is defined.	

[198984] List shared images with member

Set up	Actions	Expected Results	Breakdown
	GET http://glance.example.com/v1/shared-images/tenant1	[7078] [openstack-glance][image states]	

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Test the various image states (queued, saving, active, killed, deleted, pending_delete)

Test Cases**[198970] Active state**

Set up	Actions	Expected Results	Breakdown
An image fully uploaded to Glance.	Get the state of an image which has been successfully uploaded to Glance.	TBD.	

[198972] Deleted state

Set up	Actions	Expected Results	Breakdown
	<ol style="list-style-type: none"> 1. Delete an active image from the Glance repository. 2. Check its state after a while. 	Image state should be 'deleted'.	

[198971] Killed state

Set up	Actions	Expected Results	Breakdown
	TBD	TBD	

[198973] pending_delete state

Set up	Actions	Expected Results	Breakdown
	<ol style="list-style-type: none"> 1. Delete an image 2. Right away, check its status 	Right after an image has been asked to be deleted, its state should be 'pending_delete'.	
		TBD - how to recover.	

[198968] Queued state

Set up	Actions	Expected Results	Breakdown

TBD

[198969] Saving state

Set up	Actions	Expected Results	Breakdown
	<ol style="list-style-type: none"> 1. Upload an image 2. Verify status while uploading 3. Upload an image, with x-image-meta-location header set 	TBD [7071] [openstack-swift][swift with Gluster backend]	

Contents**Test Plan Document**https://access.redhat.com/knowledge/docs/en-US/Red_Hat_Storage/2.0/html/Administration_Guide/chap-User_Guide-UFO.htmlSee tests @ <https://tcms.engineering.redhat.com/plan/6310/rhs-object-storage>**Test Cases****[7070] [openstack-swift][expiring object]****Contents****Test Plan Document**

Note: not sure it's a priority.

Test Cases

[7069] [openstack-swift][container synchronization]

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Test Cases

[7068] [openstack-swift][versioned objects]

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Created a container with versioning support (allow_versions in the server conf, create a container with X-Versions-Location field,

PUT a new version

GET the current version

POST update the metadata only

DELETE the latest version

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[7067] [openstack-swift][large objects]

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Test of large objects (>5GB):

Raise the default limit

Segmented objects

Test Cases

[7065] [openstack-swift][ring tests]

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Re-balancing:

adding more servers

removal of servers

Different weights

Test Cases

[7062] [openstack-swift]multiple proxies

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Test configuration of multiple proxies to Swift:

1. configuration - configure multiple proxies to the backend.

2. sanity tests - see that swift works (basic put/get objects)

3. scale - see that the load is distributed among the proxies, test multiple (>10?) proxies.

4. fault injection - fail one and more of the proxies. See that the systems still behaves well, and that the errors are reported. See that when recovering, the proxies return to normal functioning.

Test Cases

[6878] [openstack-nova][flat-dhcp-network-manager]-notready

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<http://docs.openstack.org/trunk/openstack-compute/install/yum/content/compute-configuring-guest-network.html>

<http://docs.openstack.org/essex/openstack-compute/admin/content/libvirt-flat-dhcp-networking.html>

Test Cases

[190923] Set up FlatDhcpManager

Set up	Actions	Expected Results	Breakdown
network_manager=nova.network.manager.FlatDhcpManager in /etc/nova.conf (and nova service restarted)			

[190923] Set up FlatDhcpManager

Set up	Actions	Expected Results	Breakdown
network_manager=nova.network.manager.FlatDhcpManager in /etc/nova.conf (and nova service restarted)			

[6850] [openstack-nova][flat-network-manager]-notready

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<http://docs.openstack.org/trunk/openstack-compute/install/yum/content/compute-configuring-guest-network.html>

<http://docs.openstack.org/trunk/openstack-compute/install/yum/content/compute-create-network.html>

Test Cases

[190923] Set up FlatDhcpManager

Set up	Actions	Expected Results	Breakdown
network_manager=nova.network.manager.FlatDhcpManager in /etc/nova.conf (and nova service restarted)			

[190923] Set up FlatDhcpManager

Set up	Actions	Expected Results	Breakdown
network_manager=nova.network.manager.FlatDhcpManager in /etc/nova.conf (and nova service restarted)			

[6818] [openstack-nova][security-groups]

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http://docs.openstack.org/essex/openstack-compute/starter/content/Security_Overview-d1e2505.html

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[6786] [openstack-glance][adding images]

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Test Cases

[185834] Image addition

Set up	Actions	Expected Results	Breakdown
Glance installed and configured	1. Execute glance add name="RHEL 6.3" is_public=true disk_format=qcow2 \ container_format=bare < /rhel63_x86_64.qcow2	1. Image will be added successfully: Uploading image 'RHEL 6.3' =====[100%] 155.966310M/s, ETA 0h 0m 0s Added new image with ID: 17a34b8e-c573-48d6-920c-b4b450172b41 2. Image can be seen in the repository when executing 'glance index' 3. Image details are available (and correct) when executing 'glance show <uuid>'	[6776] [openstack-keystone][user, role, tenant & service creation] Contents Test Plan Document Test Cases

[185824] Admin user, role and tenant creation

Set up	Actions	Expected Results	Breakdown
Keystone service installed, initd and with a token.	1. Execute: keystone user-create --name admin --pass secret 2. Execute: keystone role-create --name admin 3. Execute: keystone tenant-create --name admin	1. A user named 'admin' will be created successfully, with relevant ID: +-----+ Property Value +-----+ -----+ email None enabled True id 94d659c3c9534095aba5f8475c87091a name admin password ... tenantId None +-----+ 2. A role object will be created successfully, with relevant ID: +-----+ P property Value +-----+ -----+ id 78035c5d3cd94e62812d6d37551ecd6a name admin +-----+ 3. A tenant object will be created successfully, with relevant ID: +-----+ Property Value +-----+ -----+ description None enabled True id 6f8e3e36c4194b86b9a9b55d4b722af3 name admin +-----+ +-----+	

[185572] keystone_rc usage - list admin

Set up	Actions	Expected Results	Breakdown
0. keystone configured - with an admin user, admin role, service 1. Create a keystone_rc_admin file with the following contents: export OS_USERNAME=admin export OS_TENANT_NAME=tenant_admin export OS_PASSWORD=secret export OS_AUTH_URL=http://127.0.0.1:35357/v2.0/	Run the command to list users. Only an administrator can perform this action. \$ unset SERVICE_TOKEN \$ unset SERVICE_ENDPOINT \$./keystone_rc_admin \$ keystone user-list	+-----+ id enabled email name +-----+ 94d659c3c9534095aba5f8475c87091a True None admin +-----+	

```
export PS1="[u@h W(keystone_admin)]$ "
```

[185820] keystone_rc usage - list user

Set up	Actions	Expected Results	Breakdown
keystone configured with a user	0. Execute: \$./keystonerc_username	1. user-list should fail as only an admin can list users.	
create the file ~/keystonerc_username with the following contents	1. Execute: \$ keystone user-list	2. token-list should succeed - a user should be able to list tokens.	
export OS_USERNAME=username			
export OS_TENANT_NAME=tenant			
export OS_PASSWORD=secret	2. Execute:		
export OS_AUTH_URL=http://127.0.0.1:5000/v2	\$ keystone token-list		
0/			
export PS1="[u@h W(keystone_username)]\$ "			

[185831] [openstack-keystone][service definition]

Set up	Actions	Expected Results	Breakdown
Keystone installed and configured. Admin user and role configured.	TBD		