

*# Redirecting End-of-Life (EOL) versions, see <https://wiki.openstack.org/wiki/Releases>:*

```
redirectmatch 301 /bexar/. *$ /index.html
redirectmatch 301 /cactus/. *$ /index.html
redirectmatch 301 /diablo/. *$ /index.html
redirectmatch 301 /essex/. *$ /index.html
redirectmatch 301 /folsom/. *$ /index.html
redirectmatch 301 /grizzly/. *$ /index.html
redirectmatch 301 /havana/. *$ /index.html
```

*# Redirect for the original version of compute*

```
redirect 301 /openstack-compute/ /
```

*# Redirect for the original version of storage*

```
redirect 301 /openstack-object-storage/ /
```

*# Redirect for the 1.1 version of the Compute API going to v2*

```
redirect 301 /api/openstack-compute/1.1/ /api/openstack-compute/2/
```

*# Redirect image metadata and format reference*

```
redirect 301 /trunk/openstack-compute/admin/content/adding-images.html /cli-
reference/content/chapter_cli-glance-property.html
```

*# Redirect config reference precisely*

```
redirect 301 /trunk/openstack-compute/admin/content/compute-options-reference.html
/mitaka/config-reference/compute/nova-conf.html
```

```
redirect 301 /trunk/openstack-compute/starter/ /trunk/
```

*# Redirecting incubation quantum*

```
redirect 301 /incubation/openstack-network/admin/content/ /trunk/openstack-
network/admin/content
redirect 301 /incubation/openstack-network/developer/quantum-api-1.0/content/
/api/openstack-network/1.0/content/
```

*# Redirecting old install guide to apt (could be yum, analytics show more seek apt)*

```
redirect 301 /trunk/openstack-compute/install/content /trunk/openstack-
compute/install/yum/content
```

*# Redirecting trunk basic install to install guide*

```
redirect 301 /trunk/basic-install/apt/content /mitaka/install-guide-ubuntu/
content
redirect 301 /trunk/basic-install/yum/content /mitaka/install-guide-ubuntu/
```

```
redirect 301 /trunk/basic-install/yum/content /mitaka/install-guide-root/

# Redirecting trunk admin guides to admin-guide
redirect 301 /trunk/openstack-block-storage/admin/content/ /admin-guide/
redirect 301 /trunk/openstack-compute/admin/content/ /admin-guide/
redirect 301 /trunk/openstack-object-storage/admin/content/ /admin-guide/

# Redirecting Image Guide to new location
redirect 301 /trunk/openstack-image/content/ /image-guide/

# Redirecting HA Guide to new location
redirect 301 /trunk/openstack-ha/content/ /ha-guide
redirectmatch 301 /high-availability-guide/. *$ /ha-guide/index.html

# Redirecting security guide to new location
redirectmatch 301 /trunk/openstack-security/content/. *$ /security-guide/index.html
redirectmatch 301 /trunk/security-guide/content/. *$ /security-guide/index.html
redirectmatch 301 /security-guide/content/. *$ /security-guide/index.html

# Redirecting API Programming with Compute API to API Quick Start
redirectmatch 301 /api/openstack-compute/programmer/content/. *$
http://developer.openstack.org/api-guide/quick-start/

# Redirect docs.openstack.org index.html subpage pointers to main page
redirect 301 /install/ /
redirect 301 /basic-install/ /
redirect 301 /run/ /
redirect 301 /api/index.html /
redirect 301 /developer/index.html /developer/openstack-projects.html
redirect 301 /cli/ /
redirect 301 /incubation/ /

# Redirect old identity/api to api site
redirectmatch /identity/api/. *$ http://developer.openstack.org/

# Redirect old Networking Admin Guide to Configuration Reference
redirectmatch /trunk/openstack-network/admin/content/. *$ /admin-guide/index.html
redirectmatch /network-admin/admin/content/. *$ /admin-guide/index.html

# Redirect O'Reilly Operations Guide PDF to trunk version
redirect 301 /trunk/openstack-ops/oreilly-openstack-ops-guide.pdf /openstack-
```

ops/openstack-ops-manual.pdf

*# Redirect Operations Guide to /openstack-ops*

```
redirectmatch 301 /trunk/openstack-ops/. *$ /ops-guide/
```

*# A doc generation bug resulted in Google indexing links containing "/", which cause  
# problems with linked content (images/css/etc). This rule generates a 301 redirect  
# for these links.*

*# details: <https://bugs.launchpad.net/openstack-manuals/+bug/1288513>*

```
redirectmatch 301 (.*)/(.*) $1/$2
```

*# Redirect links to Architecture Design Guide epub from arc to arch*

```
redirect 301 /arc/OpenStackArchitectureDesignGuide.epub  
/arch/OpenStackArchitectureDesignGuide.epub
```

*# Redirect renamed ironic developer doc directories*

```
redirect 301 /developer/ironic/install/ironic-install.html  
/developer/ironic/deploy/install-guide.html  
redirect 301 /developer/ironic/dev/api-spec-v1.html /developer/ironic/webapi/v1.html
```

*# Redirect API docs that have been put in openstack-attic*

```
redirectmatch 301 /api/openstack-block-storage/1.0/content/. *$  
http://developer.openstack.org/api-ref-blockstorage-v1.html  
redirectmatch 301 /api/openstack-block-storage/2.0/content/. *$  
http://developer.openstack.org/api-ref-blockstorage-v2.html  
redirectmatch 301 /api/openstack-compute/2/content/. *$ http://developer.openstack.org/api-ref-compute-v2.html  
redirectmatch 301 /api/openstack-databases/content/. *$ http://developer.openstack.org/api-ref-databases-v1.html  
redirectmatch 301 /api/openstack-identity-service/2.0/content/. *$  
http://developer.openstack.org/api-ref-identity-v2.html  
redirectmatch 301 /api/openstack-identity-service/3/content/. *$  
http://developer.openstack.org/api-ref-identity-v3.html  
redirectmatch 301 /api/openstack-image-service/1.0/content/. *$  
http://developer.openstack.org/api-ref-image-v1.html  
redirectmatch 301 /api/openstack-image-service/1.1/content/. *$  
http://developer.openstack.org/api-ref-image-v1.html  
redirectmatch 301 /api/openstack-image-service/2.0/content/. *$  
http://developer.openstack.org/api-ref-image-v2.html  
redirectmatch 301 /api/openstack-network/2.0/content/. *$
```

```
http://developer.openstack.org/api-ref-networking-v2.html
redirectmatch 301 /api/openstack-object-storage/1.0/content/. *$
http://developer.openstack.org/api-ref-objectstorage-v1.html
redirectmatch 301 /api/openstack-objectstorage/1.0/content/. *$
http://developer.openstack.org/api-ref-objectstorage-v1.html
redirect 301 /api/openstack-image-service/2.0/content/appendix-b-http-patch-media-
types.html http://specs.openstack.org/openstack/glance-specs/specs/api/v2/http-patch-
image-api-v2.html
```

```
# Redirect /trunk/index.html to /index.html
```

```
redirect 301 /trunk/index.html /index.html
```

```
# Redirect trunk/config-reference to mitaka/config-reference
```

```
redirectmatch 301 /trunk/config-reference/content/(.*) /mitaka/config-reference/index.html
```

```
# Redirect trove install guide
```

```
redirectmatch 301 "^/juno/install-guide/install/.*/ch_trove.html$" /
```

```
redirectmatch 301 "^/juno/install-guide/install/.*/trove.*$" /
```

```
redirectmatch 301 "^/kilo/install-guide/install/.*/ch_trove.html$" /
```

```
redirectmatch 301 "^/kilo/install-guide/install/.*/trove.*$" /
```

```
# Redirect sahara install guide
```

```
redirectmatch 301 "^/juno/install-guide/install/.*/ch_sahara.html$" /
```

```
redirectmatch 301 "^/juno/install-guide/install/.*/sahara.*$" /
```

```
redirectmatch 301 "^/kilo/install-guide/install/.*/ch_sahara.html$" /
```

```
redirectmatch 301 "^/kilo/install-guide/install/.*/sahara.*$" /
```

```
# Redirect old networking content to root for now
```

```
redirectmatch 301 /openstack-network/. *$ /index.html
```

```
# Redirect renamed common files
```

```
redirectmatch 301 ^(/[a-z]+)/common/app_support.html /$1/common/app-support.html
```

```
redirectmatch 301 ^(/[a-z]+)/common/cli_discover_version_number_for_a_client.html
/$1/common/cli-discover-version-number-for-a-client.html
```

```
redirectmatch 301 ^(/[a-z]+)/common/cli_install_openstack_command_line_clients.html
/$1/common/cli-install-openstack-command-line-clients.html
```

```
redirectmatch 301 ^(/[a-z]+)/common/cli_manage_images.html /$1/common/cli-manage-
images.html
```

```
redirectmatch 301 ^(/[a-z]+)/common/cli_manage_volumes.html /$1/common/cli-manage-
volumes.html
```

```
redirectmatch 301 ^(/[a-z]+)/common/cli_overview.html /$1/common/cli-overview.html
```

redirectmatch 301 ^/([a-z]+)/common/cli\_set\_environment\_variables\_using\_openstack\_rc.html /\$1/common/cli-set-environment-variables-using-openstack-rc.html

redirectmatch 301 ^/([a-z]+)/common/dashboard\_customizing.html /\$1/common/dashboard-customizing.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_block\_storage.html /\$1/common/get-started-block-storage.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_compute.html /\$1/common/get-started-compute.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_conceptual\_architecture.html /\$1/common/get-started-conceptual-architecture.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_dashboard.html /\$1/common/get-started-dashboard.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_data\_processing.html /\$1/common/get-started-data-processing.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_database\_service.html /\$1/common/get-started-database-service.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_feedback.html /\$1/common/get-started-feedback.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_identity.html /\$1/common/get-started-identity.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_image\_service.html /\$1/common/get-started-image-service.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_logical\_architecture.html /\$1/common/get-started-logical-architecture.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_networking.html /\$1/common/get-started-networking.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_object\_storage.html /\$1/common/get-started-object-storage.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_openstack\_services.html /\$1/common/get-started-openstack-services.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_orchestration.html /\$1/common/get-started-orchestration.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_shared\_file\_systems.html /\$1/common/get-started-shared-file-systems.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_storage\_concepts.html /\$1/common/get-started-storage-concepts.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_telemetry.html /\$1/common/get-started-telemetry.html

redirectmatch 301 ^/([a-z]+)/common/get\_started\_with\_openstack.html /\$1/common/get-started-with-openstack.html

redirectmatch 301 ^/([a-z]+)/common/nova\_show\_usage\_statistics\_for\_hosts\_instances.html

[/\\$1/common/nova-show-usage-statistics-for-hosts-instances.html](#)

*# Redirect top ten (or so) User Guide pages post-migration*

redirect 301 /user-guide/content/app\_community\_support.html /user-guide/common/app-support.html

redirect 301 /user-guide/content/checking\_version\_cli.html /user-guide/common/cli-discover-version-number-for-a-client.html

redirect 301 /user-guide/content/install\_clients.html /user-guide/common/cli-install-openstack-command-line-clients.html

redirect 301 /user-guide/content/ssh-into-instance.html /user-guide/dashboard\_launch\_instances.html#connect-to-your-instance-by-using-ssh

redirect 301 /user-guide/content/app\_cheat\_sheet.html /user-guide/cli\_cheat\_sheet.html

redirect 301 /user-guide/content/Launching\_Instances\_using\_Dashboard.html /user-guide/dashboard\_launch\_instances.html

*# Redirect top ten (or so) Admin User Guide pages post-migration*

redirect 301 /user-guide-admin/content/specify-host-to-boot-instances-on.html /admin-guide/cli-nova-specify-host.html

redirect 301 /user-guide-admin/content/nova\_cli\_migrate\_single.html /admin-guide/cli-nova-migrate.html

redirect 301 /admin-guide-cloud/content/customize-flavors.html /admin-guide/compute-flavors.html

*# Redirect renamed Admin Guide pages*

redirect 301 /admin-guide/blockstorage\_backup\_disks.html /admin-guide/blockstorage-backup-disks.html

redirect 301 /admin-guide/blockstorage\_get\_capabilities.html /admin-guide/blockstorage-get-capabilities.html

redirect 301 /admin-guide/blockstorage\_glusterfs\_backend.html /admin-guide/blockstorage-glusterfs-backend.html

redirect 301 /admin-guide/blockstorage\_glusterfs\_removal.html /admin-guide/blockstorage-glusterfs-removal.html

redirect 301 /admin-guide/blockstorage\_image\_volume\_cache.html /admin-guide/blockstorage-image-volume-cache.html

redirect 301 /admin-guide/blockstorage\_multi\_backend.html /admin-guide/blockstorage-multi-backend.html

redirect 301 /admin-guide/blockstorage\_nfs\_backend.html /admin-guide/blockstorage-nfs-backend.html

redirect 301 /admin-guide/blockstorage\_over\_subscription.html /admin-guide/blockstorage-over-subscription.html

redirect 301 /admin-guide/blockstorage\_ratelimit\_volume\_copy\_bandwidth.html /admin-guide/blockstorage-ratelimit-volume-copy-bandwidth.html

redirect 301 /admin-guide/blockstorage\_volume\_backed\_image.html /admin-guide/blockstorage-volume-backed-image.html

redirect 301 /admin-guide/blockstorage\_volume\_backups.html /admin-guide/blockstorage-volume-backups.html

redirect 301 /admin-guide/blockstorage\_volume\_backups\_export\_import.html /admin-guide/blockstorage-volume-backups-export-import.html

redirect 301 /admin-guide/blockstorage\_volume\_migration.html /admin-guide/blockstorage-volume-migration.html

redirect 301 /admin-guide/blockstorage\_volume\_number\_weigher.html /admin-guide/blockstorage-volume-number-weigher.html

redirect 301 /admin-guide/cli\_admin\_manage\_environment.html /admin-guide/cli-admin-manage-environment.html

redirect 301 /admin-guide/cli\_admin\_manage\_ip\_addresses.html /admin-guide/cli-admin-manage-ip-addresses.html

redirect 301 /admin-guide/cli\_admin\_manage\_stacks.html /admin-guide/cli-admin-manage-stacks.html

redirect 301 /admin-guide/cli\_analyzing\_log\_files\_with\_swift.html /admin-guide/cli-analyzing-log-files-with-swift.html

redirect 301 /admin-guide/cli\_cinder\_quotas.html /admin-guide/cli-cinder-quotas.html

redirect 301 /admin-guide/cli\_cinder\_scheduling.html /admin-guide/cli-cinder-scheduling.html

redirect 301 /admin-guide/cli\_keystone\_manage\_services.html /admin-guide/cli-keystone-manage-services.html

redirect 301 /admin-guide/cli\_manage\_flavors.html /admin-guide/cli-manage-flavors.html

redirect 301 /admin-guide/cli\_manage\_projects\_users\_and\_roles.html /admin-guide/cli-manage-projects-users-and-roles.html

redirect 301 /admin-guide/cli\_manage\_services.html /admin-guide/cli-manage-services.html

redirect 301 /admin-guide/cli\_manage\_shares.html /admin-guide/cli-manage-shares.html

redirect 301 /admin-guide/cli\_networking\_advanced\_quotas.html /admin-guide/cli-networking-advanced-quotas.html

redirect 301 /admin-guide/cli\_nova\_evacuate.html /admin-guide/cli-nova-evacuate.html

redirect 301 /admin-guide/cli\_nova\_manage\_projects\_security.html /admin-guide/cli-nova-manage-projects-security.html

redirect 301 /admin-guide/cli\_nova\_manage\_services.html /admin-guide/cli-nova-manage-services.html

redirect 301 /admin-guide/cli\_nova\_migrate.html /admin-guide/cli-nova-migrate.html

redirect 301 /admin-guide/cli\_nova\_migrate\_cfg\_ssh.html /admin-guide/cli-nova-migrate-cfg-ssh.html

redirect 301 /admin-guide/cli\_nova\_numa\_libvirt.html /admin-guide/cli-nova-numa-

libvirt.html

redirect 301 /admin-guide/cli\_nova\_specify\_host.html /admin-guide/cli-nova-specify-host.html

redirect 301 /admin-guide/cli\_set\_compute\_quotas.html /admin-guide/cli-set-compute-quotas.html

redirect 301 /admin-guide/cli\_set\_quotas.html /admin-guide/cli-set-quotas.html

redirect 301 /admin-guide/compute\_arch.html /admin-guide/compute-arch.html

redirect 301 /admin-guide/compute-numa-cpu-pinning.html /admin-guide/compute-cpu-topologies.html

redirect 301 /admin-guide/cross\_project.html /admin-guide/cross-project.html

redirect 301 /admin-guide/cross\_project\_cors.html /admin-guide/cross-project-cors.html

redirect 301 /admin-guide/dashboard\_admin\_manage\_roles.html /admin-guide/dashboard-admin-manage-roles.html

redirect 301 /admin-guide/dashboard\_admin\_manage\_stacks.html /admin-guide/dashboard-admin-manage-stacks.html

redirect 301 /admin-guide/dashboard\_manage\_flavors.html /admin-guide/dashboard-manage-flavors.html

redirect 301 /admin-guide/dashboard\_manage\_host\_aggregates.html /admin-guide/dashboard-manage-host-aggregates.html

redirect 301 /admin-guide/dashboard\_manage\_images.html /admin-guide/dashboard-manage-images.html

redirect 301 /admin-guide/dashboard\_manage\_instances.html /admin-guide/dashboard-manage-instances.html

redirect 301 /admin-guide/dashboard\_manage\_resources.html /admin-guide/dashboard-manage-resources.html

redirect 301 /admin-guide/dashboard\_manage\_services.html /admin-guide/dashboard-manage-services.html

redirect 301 /admin-guide/dashboard\_manage\_shares.html /admin-guide/dashboard-manage-shares.html

redirect 301 /admin-guide/dashboard\_manage\_volumes.html /admin-guide/dashboard-manage-volumes.html

redirect 301 /admin-guide/dashboard\_sessions.html /admin-guide/dashboard-sessions.html

redirect 301 /admin-guide/dashboard\_set\_quotas.html /admin-guide/dashboard-set-quotas.html

redirect 301 /admin-guide/dashboard\_view\_cloud\_resources.html /admin-guide/dashboard-view-cloud-resources.html

redirect 301 /admin-guide/identity\_auth\_token\_middleware.html /admin-guide/identity-auth-token-middleware.html

redirect 301 /admin-guide/identity\_concepts.html /admin-guide/identity-concepts.html

redirect 301 /admin-guide/identity\_keystone\_usage\_and\_features.html /admin-guide/identity-keystone-usage-and-features.html

redirect 301 /admin-guide/identity\_management.html /admin-guide/identity-management.html



```
.....
redirect 301 /admin-guide/identity_service_api_protection.html /admin-guide/identity-
service-api-protection.html
redirect 301 /admin-guide/identity_start.html /admin-guide/identity-start.html
redirect 301 /admin-guide/identity_troubleshoot.html /admin-guide/identity-
troubleshoot.html
redirect 301 /admin-guide/keystone_caching_layer.html /admin-guide/keystone-caching-
layer.html
redirect 301 /admin-guide/keystone_certificates_for_pki.html /admin-guide/keystone-
certificates-for-pki.html
redirect 301 /admin-guide/keystone_configure_with_SSL.html /admin-guide/keystone-
configure-with-SSL.html
redirect 301 /admin-guide/keystone_domain_specific_config.html /admin-guide/keystone-
domain-specific-config.html
redirect 301 /admin-guide/keystone_external_authentication.html /admin-guide/keystone-
external-authentication.html
redirect 301 /admin-guide/keystone_fernet_token_faq.html /admin-guide/keystone-fernet-
token-faq.html
redirect 301 /admin-guide/keystone_integrate_assignment_backend_ldap.html /admin-
guide/keystone-integrate-assignment-backend-ldap.html
redirect 301 /admin-guide/keystone_integrate_identity_backend_ldap.html /admin-
guide/keystone-integrate-identity-backend-ldap.html
redirect 301 /admin-guide/keystone_integrate_with_ldap.html /admin-guide/keystone-
integrate-with-ldap.html
redirect 301 /admin-guide/keystone_secure_identity_to_ldap_backend.html /admin-
guide/keystone-secure-identity-to-ldap-backend.html
redirect 301 /admin-guide/keystone_token_binding.html /admin-guide/keystone-token-
binding.html
redirect 301 /admin-guide/keystone_tokens.html /admin-guide/keystone-tokens.html
redirect 301 /admin-guide/keystone_use_trusts.html /admin-guide/keystone-use-trusts.html
redirect 301 /admin-guide/networking_adv-config.html /admin-guide/networking-adv-
config.html
redirect 301 /admin-guide/networking_adv-features.html /admin-guide/networking-adv-
features.html
redirect 301 /admin-guide/networking_adv-operational-features.html /admin-
guide/networking-adv-operational-features.html
redirect 301 /admin-guide/networking_arch.html /admin-guide/networking-arch.html
redirect 301 /admin-guide/networking_auth.html /admin-guide/networking-auth.html
redirect 301 /admin-guide/networking_config-agents.html /admin-guide/networking-config-
agents.html
redirect 301 /admin-guide/networking_config-identity.html /admin-guide/networking-config-
identity.html
```

redirect 301 /admin-guide/networking\_config-plugins.html /admin-guide/networking-config-plugins.html

redirect 301 /admin-guide/networking\_introduction.html /admin-guide/networking-introduction.html

redirect 301 /admin-guide/networking\_multi-dhcp-agents.html /admin-guide/networking-multi-dhcp-agents.html

redirect 301 /admin-guide/networking\_use.html /admin-guide/networking-use.html

redirect 301 /admin-guide/objectstorage\_account\_reaper.html /admin-guide/objectstorage-account-reaper.html

redirect 301 /admin-guide/objectstorage\_arch.html /admin-guide/objectstorage-arch.html

redirect 301 /admin-guide/objectstorage\_auditors.html /admin-guide/objectstorage-auditors.html

redirect 301 /admin-guide/objectstorage\_characteristics.html /admin-guide/objectstorage-characteristics.html

redirect 301 /admin-guide/objectstorage\_components.html /admin-guide/objectstorage-components.html

redirect 301 /admin-guide/objectstorage\_EC.html /admin-guide/objectstorage-EC.html

redirect 301 /admin-guide/objectstorage\_features.html /admin-guide/objectstorage-features.html

redirect 301 /admin-guide/objectstorage\_intro.html /admin-guide/objectstorage-intro.html

redirect 301 /admin-guide/objectstorage\_large-objects.html /admin-guide/objectstorage-large-objects.html

redirect 301 /admin-guide/objectstorage\_replication.html /admin-guide/objectstorage-replication.html

redirect 301 /admin-guide/objectstorage\_ringbuilder.html /admin-guide/objectstorage-ringbuilder.html

redirect 301 /admin-guide/objectstorage\_tenant\_specific\_image\_storage.html /admin-guide/objectstorage-tenant-specific-image-storage.html

redirect 301 /admin-guide/shared\_file\_systems.html /admin-guide/shared-file-systems.html

redirect 301 /admin-guide/shared\_file\_systems\_cgroups.html /admin-guide/shared-file-systems-cgroups.html

redirect 301 /admin-guide/shared\_file\_systems\_crud\_share.html /admin-guide/shared-file-systems-crud-share.html

redirect 301 /admin-guide/shared\_file\_systems\_intro.html /admin-guide/shared-file-systems-intro.html

redirect 301 /admin-guide/shared\_file\_systems\_key\_concepts.html /admin-guide/shared-file-systems-key-concepts.html

redirect 301 /admin-guide/shared\_file\_systems\_manage\_and\_unmanage\_share.html /admin-guide/shared-file-systems-manage-and-unmanage-share.html

redirect 301 /admin-guide/shared\_file\_systems\_manage\_shares\_cli.html /admin-guide/shared-file-systems-manage-shares-cli.html

```
file-systems-manage-shares-cli.html
redirect 301 /admin-guide/shared_file_systems_multi_backend.html /admin-guide/shared-file-
systems-multi-backend.html
redirect 301 /admin-guide/shared_file_systems_network_plugins.html /admin-guide/shared-
file-systems-network-plugins.html
redirect 301 /admin-guide/shared_file_systems_networking.html /admin-guide/shared-file-
systems-networking.html
redirect 301 /admin-guide/shared_file_systems_quotas.html /admin-guide/shared-file-
systems-quotas.html
redirect 301 /admin-guide/shared_file_systems_scheduling.html /admin-guide/shared-file-
systems-scheduling.html
redirect 301 /admin-guide/shared_file_systems_security_services.html /admin-guide/shared-
file-systems-security-services.html
redirect 301 /admin-guide/shared_file_systems_services_manage.html /admin-guide/shared-
file-systems-services-manage.html
redirect 301 /admin-guide/shared_file_systems_share_management.html /admin-guide/shared-
file-systems-share-management.html
redirect 301 /admin-guide/shared_file_systems_share_networks.html /admin-guide/shared-
file-systems-share-networks.html
redirect 301 /admin-guide/shared_file_systems_share_replication.html /admin-guide/shared-
file-systems-share-replication.html
redirect 301 /admin-guide/shared_file_systems_share_resize.html /admin-guide/shared-file-
systems-share-resize.html
redirect 301 /admin-guide/shared_file_systems_share_types.html /admin-guide/shared-file-
systems-share-types.html
redirect 301 /admin-guide/shared_file_systems_snapshots.html /admin-guide/shared-file-
systems-snapshots.html
redirect 301 /admin-guide/shared_file_systems_troubleshoot.html /admin-guide/shared-file-
systems-troubleshoot.html
redirect 301 /admin-guide/ts_cinder_config.html /admin-guide/ts-cinder-config.html
redirect 301 /admin-guide/ts_multipath_warn.html /admin-guide/ts-multipath-warn.html
redirect 301 /admin-guide/ts_no_emulator_x86_64.html /admin-guide/ts-no-emulator-x86-
64.html
redirect 301 /admin-guide/ts_non_existent_host.html /admin-guide/ts-non-existent-host.html
redirect 301 /admin-guide/ts_non_existent_vlun.html /admin-guide/ts-non-existent-vlun.html
redirect 301 /admin-guide/ts_vol_attach_miss_sg_scan.html /admin-guide/ts-vol-attach-miss-
sg-scan.html
```

*# Redirect renamed User Guide pages*

```
redirect 301 /user-guide/cli_swift_pseudo_hierarchical_folders_directories.html /user-
guide/cli-swift-pseudo-hierarchical-folders-directories.html
```

guide/cli-swift-pseudo-hierarchical-folders-directories.html

redirect 301 /user-guide/sdk\_configure\_access\_security\_instances.html /user-guide/sdk-configure-access-security-instances.html

redirect 301 /user-guide/cli\_create\_and\_manage\_networks.html /user-guide/cli-create-and-manage-networks.html

redirect 301 /user-guide/cli\_stop\_and\_start\_an\_instance.html /user-guide/cli-stop-and-start-an-instance.html

redirect 301 /user-guide/configure\_access\_and\_security\_for\_instances.html /user-guide/configure-access-and-security-for-instances.html

redirect 301 /user-guide/dashboard\_create\_networks.html /user-guide/dashboard-create-networks.html

redirect 301 /user-guide/sdk\_install.html /user-guide/sdk-install.html

redirect 301 /user-guide/create\_db.html /user-guide/create-db.html

redirect 301 /user-guide/cli\_manage\_shares.html /user-guide/cli-manage-shares.html

redirect 301 /user-guide/cli\_swift\_discoverability.html /user-guide/cli-swift-discoverability.html

redirect 301 /user-guide/cli\_access\_instance\_through\_a\_console.html /user-guide/cli-access-instance-through-a-console.html

redirect 301 /user-guide/cli\_search\_instance\_with\_ip\_address.html /user-guide/cli-search-instance-with-ip-address.html

redirect 301 /user-guide/manage\_db\_config.html /user-guide/manage-db-config.html

redirect 301 /user-guide/cli\_reboot\_an\_instance.html /user-guide/cli-reboot-an-instance.html

redirect 301 /user-guide/set\_up\_replication.html /user-guide/set-up-replication.html

redirect 301 /user-guide/cli\_manage\_bare\_metal\_nodes.html /user-guide/cli-manage-bare-metal-nodes.html

redirect 301 /user-guide/cli\_ceilometer.html /user-guide/cli-ceilometer.html

redirect 301 /user-guide/cli\_nova\_launch\_instance\_from\_volume.html /user-guide/cli-nova-launch-instance-from-volume.html

redirect 301 /user-guide/cli\_nova\_launch\_instance\_using\_ISO\_image.html /user-guide/cli-nova-launch-instance-using-ISO-image.html

redirect 301 /user-guide/backup\_db.html /user-guide/backup-db.html

redirect 301 /user-guide/cli\_nova\_launch\_instance\_from\_image.html /user-guide/cli-nova-launch-instance-from-image.html

redirect 301 /user-guide/dashboard\_log\_in.html /user-guide/dashboard-log-in.html

redirect 301 /user-guide/cli\_provide\_user\_data\_to\_instances.html /user-guide/cli-provide-user-data-to-instances.html

redirect 301 /user-guide/cli\_swift\_static\_website.html /user-guide/cli-swift-static-website.html

redirect 301 /user-guide/dashboard\_manage\_shares.html /user-guide/dashboard-manage-shares.html

redirect 301 /user-guide/cli\_swift\_manage\_access\_swift.html /user-guide/cli-swift-manage-access-swift.html

redirect 301 /user-guide/cli\_swift\_large\_object\_creation.html /user-guide/cli-swift-large-object-creation.html

redirect 301 /user-guide/cli\_cheat\_sheet.html /user-guide/cli-cheat-sheet.html

redirect 301 /user-guide/dashboard\_manage\_lbaasv2.html /user-guide/dashboard-manage-lbaasv2.html

redirect 301 /user-guide/sdk\_assign\_cors\_headers.html /user-guide/sdk-assign-cors-headers.html

redirect 301 /user-guide/cli\_swift\_bulk\_delete.html /user-guide/cli-swift-bulk-delete.html

redirect 301 /user-guide/cli\_nova\_configure\_access\_security\_for\_instances.html /user-guide/cli-nova-configure-access-security-for-instances.html

redirect 301 /user-guide/backup\_db\_incremental.html /user-guide/backup-db-incremental.html

redirect 301 /user-guide/cli\_manage\_instances\_hosts.html /user-guide/cli-manage-instances-hosts.html

redirect 301 /user-guide/cli\_delete\_an\_instance.html /user-guide/cli-delete-an-instance.html

redirect 301 /user-guide/cli\_swift\_env\_vars.html /user-guide/cli-swift-env-vars.html

redirect 301 /user-guide/cli\_swift\_create\_containers.html /user-guide/cli-swift-create-containers.html

redirect 301 /user-guide/sdk\_neutron\_apis.html /user-guide/sdk-neutron-apis.html

redirect 301 /user-guide/dashboard\_manage\_images.html /user-guide/dashboard-manage-images.html

redirect 301 /user-guide/dashboard\_stacks.html /user-guide/dashboard-stacks.html

redirect 301 /user-guide/cli\_swift\_large\_lists.html /user-guide/cli-swift-large-lists.html

redirect 301 /user-guide/dashboard\_databases.html /user-guide/dashboard-databases.html

redirect 301 /user-guide/cli\_swift\_archive\_auto\_extract.html /user-guide/cli-swift-archive-auto-extract.html

redirect 301 /user-guide/cli\_swift\_set\_object\_versions.html /user-guide/cli-swift-set-object-versions.html

redirect 301 /user-guide/sdk\_compute\_apis.html /user-guide/sdk-compute-apis.html

redirect 301 /user-guide/cli\_create\_and\_manage\_stacks.html /user-guide/cli-create-and-manage-stacks.html

redirect 301 /user-guide/cli\_change\_the\_size\_of\_your\_server.html /user-guide/cli-change-the-size-of-your-server.html

redirect 301 /user-guide/cli\_swift\_serialized\_response\_formats.html /user-guide/cli-swift-serialized-response-formats.rhtml

redirect 301 /user-guide/sdk\_authenticate.html /user-guide/sdk-authenticate.html

redirect 301 /user-guide/cli\_use\_snapshots\_to\_migrate\_instances.html /user-guide/cli-use-snapshots-to-migrate-instances.html

redirect 301 /user-guide/sdk\_manage\_images.html /user-guide/sdk-manage-images.html

```
redirect 301 /user-guide/sdk_overview.html /user-guide/sdk-overview.html
redirect 301 /user-guide/cli_manage_images_curl.html /user-guide/cli-manage-images-
curl.html
redirect 301 /user-guide/cli_config_drive.html /user-guide/cli-config-drive.html
redirect 301 /user-guide/cli_launch_instances.html /user-guide/cli-launch-instances.html
redirect 301 /user-guide/cli_manage_ip_addresses.html /user-guide/cli-manage-ip-
addresses.html
redirect 301 /user-guide/set_up_clustering.html /user-guide/set-up-clustering.html
redirect 301 /user-guide/sdk_create_legacy_novaclient.html /user-guide/sdk-create-legacy-
novaclient.html
redirect 301 /user-guide/sdk_schedule_objects_for_deletion.html /user-guide/sdk-schedule-
objects-for-deletion.html
redirect 301 /user-guide/dashboard_launch_instances.html /user-guide/dashboard-launch-
instances.html
redirect 301 /user-guide/dashboard_manage_containers.html /user-guide/dashboard-manage-
containers.html
redirect 301 /user-guide/cli_swift_manage_objects.html /user-guide/cli-swift-manage-
objects.html
redirect 301 /user-guide/dashboard_manage_volumes.html /user-guide/dashboard-manage-
volumes.html
```

### *# Redirect renamed Ops Guide pages*

```
redirect 301 /ops-guide/app_crypt.html /ops-guide/app-crypt.html
redirect 301 /ops-guide/ops_advanced_configuration.html /ops-guide/ops-advanced-
configuration.html
redirect 301 /ops-guide/arch_provision.html /ops-guide/arch-provision.html
redirect 301 /ops-guide/ops_customize.html /ops-guide/ops-customize.html
redirect 301 /ops-guide/arch_example_neutron.html /ops-guide/arch-example-neutron.html
redirect 301 /ops-guide/arch_example_nova_network.html /ops-guide/arch-example-nova-
network.html
redirect 301 /ops-guide/ops_lay_of_the_land.html /ops-guide/ops-lay-of-the-land.html
redirect 301 /ops-guide/ops_maintenance_rabbitmq.html /ops-guide/ops-maintenance-
rabbitmq.html
redirect 301 /ops-guide/ops_customize_conclusion.html /ops-guide/ops-customize-
conclusion.html
redirect 301 /ops-guide/ops_maintenance_storage.html /ops-guide/ops-maintenance-
storage.html
redirect 301 /ops-guide/ops_maintenance_complete.html /ops-guide/ops-maintenance-
complete.html
redirect 301 /ops-guide/ops_logging_monitoring.html /ops-guide/ops-logging-monitoring.html
```

redirect 301 /ops-guide/ops\_logging.html /ops-guide/ops-logging.html

redirect 301 /ops-guide/ops\_maintenance\_slow.html /ops-guide/ops-maintenance-slow.html

redirect 301 /ops-guide/arch\_examples.html /ops-guide/arch-examples.html

redirect 301 /ops-guide/ops\_backup\_recovery.html /ops-guide/ops-backup-recovery.html

redirect 301 /ops-guide/ops\_maintenance\_configuration.html /ops-guide/ops-maintenance-configuration.html

redirect 301 /ops-guide/ops\_maintenance\_hardware.html /ops-guide/ops-maintenance-hardware.html

redirect 301 /ops-guide/ops\_customize\_dashboard.html /ops-guide/ops-customize-dashboard.html

redirect 301 /ops-guide/ops\_uninstall.html /ops-guide/ops-uninstall.html

redirect 301 /ops-guide/arch\_storage.html /ops-guide/arch-storage.html

redirect 301 /ops-guide/app\_roadmaps.html /ops-guide/app-roadmaps.html

redirect 301 /ops-guide/ops\_maintenance\_database.html /ops-guide/ops-maintenance-database.html

redirect 301 /ops-guide/ops\_maintenance\_hdmwy.html /ops-guide/ops-maintenance-hdmwy.html

redirect 301 /ops-guide/ops\_customize\_compute.html /ops-guide/ops-customize-compute.html

redirect 301 /ops-guide/arch\_cloud\_controller.html /ops-guide/arch-cloud-controller.html

redirect 301 /ops-guide/ops\_maintenance\_controller.html /ops-guide/ops-maintenance-controller.html

redirect 301 /ops-guide/ops\_customize\_development.html /ops-guide/ops-customize-development.html

redirect 301 /ops-guide/ops\_maintenance\_compute.html /ops-guide/ops-maintenance-compute.html

redirect 301 /ops-guide/app\_resources.html /ops-guide/app-resources.html

redirect 301 /ops-guide/ops\_projects.html /ops-guide/ops-projects.html

redirect 301 /ops-guide/arch\_compute\_nodes.html /ops-guide/arch-compute-nodes.html

redirect 301 /ops-guide/ops\_projects\_users.html /ops-guide/ops-projects-users.html

redirect 301 /ops-guide/ops\_quotas.html /ops-guide/ops-quotas.html

redirect 301 /ops-guide/arch\_network\_design.html /ops-guide/arch-network-design.html

redirect 301 /ops-guide/ops\_customize\_objectstorage.html /ops-guide/ops-customize-objectstorage.html

redirect 301 /ops-guide/arch\_scaling.html /ops-guide/arch-scaling.html

redirect 301 /ops-guide/ops\_user\_facing\_operations.html /ops-guide/ops-user-facing-operations.html

redirect 301 /ops-guide/ops\_maintenance\_determine.html /ops-guide/ops-maintenance-determine.html

redirect 301 /ops-guide/ops\_monitoring.html /ops-guide/ops-monitoring.html

redirect 301 /ops-guide/ops\_upgrades.html /ops-guide/ops-upgrades.html

redirect 301 /ops-guide/ops\_projects\_users\_summary.html /ops-guide/ops-projects-users-summary.html

```
redirect 301 /ops-guide/arch_example_thoughts.html /ops-guide/arch-example-thoughts.html
redirect 301 /ops-guide/ops_users.html /ops-guide/ops-users.html
redirect 301 /ops-guide/app_usecases.html /ops-guide/app-usecases.html
redirect 301 /ops-guide/ops_network_troubleshooting.html /ops-guide/ops-network-
troubleshooting.html
redirect 301 /ops-guide/ops_logging_monitoring_summary.html /ops-guide/ops-logging-
monitoring-summary.html
redirect 301 /ops-guide/ops_logging_rsyslog.html /ops-guide/ops-logging-rsyslog.html
redirect 301 /ops-guide/ops_maintenance.html /ops-guide/ops-maintenance.html
```

*# Since we don't have a direct match for all file, redirect to the index page.*

```
redirectmatch 301 "^/user-guide/content/. *$" /user-guide/index.html
redirectmatch 301 "^/user-guide-admin/. *$" /admin-guide/index.html
redirectmatch 301 "^/image-guide/content/. *$" /image-guide/index.html
redirectmatch 301 "^/arch-design/content/. *$" /arch-design/index.html
redirectmatch 301 "^/cli-reference/content/. *$" /cli-reference/index.html
redirectmatch 301 "^/admin-guide-cloud/. *$" /admin-guide/index.html
redirectmatch 301 "^/openstack-ops/content/. *$" /ops-guide/index.html
```

# Hot-guide has moved to heat repo

```
redirect 301 /user-guide/hot-guide/hot.html /developer/heat/template_guide/hot_guide.html
redirect 301 /user-guide/hot-guide/ /developer/heat/template_guide/
```

# All these files should be a direct match, file name for file name.

```
redirect 301 /hot-guide/content/ /developer/heat/template_guide/
```

# Redirect HOT reference guide to heat template guide

```
redirect 301 /hot-reference/content/ /developer/heat/template_guide/
```

# Redirect networking-guide since it is now versioned

```
redirect 301 /networking-guide/ /mitaka/networking-guide/
```

# Redirect nova/devref/

```
redirectmatch 301 ^/developer/nova/devref/(.+)$ /developer/nova/$1
redirect 301 /developer/nova/nova_concepts.html /developer/nova/
```

# Redirect API Quick Start after migration to RST

```
redirect 301 /api/quick-start/content/ http://developer.openstack.org/api-guide/quick-
start/
redirect 301 /de/api/quick-start/content/ http://developer.openstack.org/de/api-
```



```
guide/quick-start/
redirect 301 /ja/api/quick-start/content/ http://developer.openstack.org/ja/api-
guide/quick-start/
redirect 301 /ko_KR/api/quick-start/content/ http://developer.openstack.org/ko_KR/api-
guide/quick-start/
redirect 301 /zh_CN/api/quick-start/content/ http://developer.openstack.org/zh_CN/api-
guide/quick-start/

# Redirect old releases content to new location
redirectmatch 301 "^/releases.*$" http://releases.openstack.org$1

# Redirect outdated glossary to new location
redirectmatch 301 /glossary/content/glossary.html /user-guide/common/glossary.html

# Temporary redirect (307) until these guides are ready
redirectmatch 307 ^/mitaka/install-guide-debian/. *$ /mitaka/index.html

# Redirect old Configuration Reference pages to new location
redirect 301 /mitaka/config-reference/database-service/databaseservice_db.html
/mitaka/config-reference/database-service/database.html
redirect 301 /mitaka/config-reference/database-service/databaseservice_rpc.html
/mitaka/config-reference/database-service/rpc.html
redirect 301 /mitaka/config-reference/image-service/image_service_api.html /mitaka/config-
reference/image-service/api.html
redirect 301 /mitaka/config-reference/image-service/image_service_backends.html
/mitaka/config-reference/image-service/backends.html
redirect 301 /mitaka/config-reference/image-service/image_service_rpc.html /mitaka/config-
reference/image-service/rpc.html
redirect 301 /mitaka/config-reference/orchestration/orchestration_api.html /mitaka/config-
reference/orchestration/api.html
redirect 301 /mitaka/config-reference/orchestration/orchestration_clients.html
/mitaka/config-reference/orchestration/clients.html
redirect 301 /mitaka/config-reference/orchestration/orchestration_rpc.html /mitaka/config-
reference/orchestration/rpc.html
redirect 301 /mitaka/config-reference/telemetry/alarms_service_config_opts.html
/mitaka/config-reference/telemetry/alarms-config-options.html
redirect 301 /mitaka/config-reference/telemetry/telemetry_service_config_opts.html
/mitaka/config-reference/telemetry/telemetry-config-options.html

# Redirect networking guide content after reorganization (Patch ID 355672)
```

redirect 301 /mitaka/networking-guide/intro-network-address-translation.html  
/mitaka/networking-guide/intro-nat.html

redirect 301 /mitaka/networking-guide/intro-networking-components.html /mitaka/networking-guide/intro-network-components.html

redirect 301 /mitaka/networking-guide/intro-tunnel-technologies.html /mitaka/networking-guide/intro-overlay-protocols.html

redirect 301 /mitaka/networking-guide/intro-networking.html /mitaka/networking-guide/intro.html

redirect 301 /mitaka/networking-guide/intro-os-networking-features.html  
/mitaka/networking-guide/config-auto-allocation.html

redirect 301 /mitaka/networking-guide/config-dns-res.html /mitaka/networking-guide/config-dns-resolution.html

redirect 301 /mitaka/networking-guide/migration-neutron-database.html /mitaka/networking-guide/migration-database.html

redirect 301 /mitaka/networking-guide/misc-neutron-purge.html /mitaka/networking-guide/ops-resource-purge.html

redirect 301 /mitaka/networking-guide/adv-config.html /mitaka/networking-guide/config.html

redirect 301 /mitaka/networking-guide/adv-config-address-scopes.html /mitaka/networking-guide/config-address-scopes.html

redirect 301 /mitaka/networking-guide/adv-config-availability-zone.html  
/mitaka/networking-guide/config-az.html

redirect 301 /mitaka/networking-guide/adv-config-bgp-dynamic-routing.html  
/mitaka/networking-guide/config-bgp-dynamic-routing.html

redirect 301 /mitaka/networking-guide/adv-config-dns.html /mitaka/networking-guide/config-dns-int.html

redirect 301 /mitaka/networking-guide/adv-config-dvr-ha-snat.html /mitaka/networking-guide/config-dvr-ha-snat.html

redirect 301 /mitaka/networking-guide/adv-config-ipam.html /mitaka/networking-guide/config-ipam.html

redirect 301 /mitaka/networking-guide/adv-config-ipv6.html /mitaka/networking-guide/config-ipv6.html

redirect 301 /mitaka/networking-guide/adv-config-lbaas.html /mitaka/networking-guide/config-lbaas.html

redirect 301 /mitaka/networking-guide/adv-config-mtu.html /mitaka/networking-guide/config-mtu.html

redirect 301 /mitaka/networking-guide/adv-config-net-ip-availability.html  
/mitaka/networking-guide/ops-ip-availability.html

redirect 301 /mitaka/networking-guide/adv-config-ovsfdriver.html /mitaka/networking-guide/config-ovsfdriver.html

redirect 301 /mitaka/networking-guide/adv-config-qos.html /mitaka/networking-guide/config-qos.html

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redirect 301 /mitaka/networking-guide/adv-config-rbac.html /mitaka/networking-guide/config-rbac.html

redirect 301 /mitaka/networking-guide/adv-config-service-chaining.html /mitaka/networking-guide/config-sfc.html

redirect 301 /mitaka/networking-guide/adv-config-sriov.html /mitaka/networking-guide/config-sriov.html

redirect 301 /mitaka/networking-guide/adv-config-subnet-pools.html /mitaka/networking-guide/config-subnet-pools.html

redirect 301 /mitaka/networking-guide/adv-config-tag.html /mitaka/networking-guide/ops-resource-tags.html