

Cloudify 4.0.1

(Service Pack - 8 May 2017)
Release Notes

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4.0.1 Service Pack (8-May-2017)

Highlights

- Support has been added for the complete uninstallation of Cloudify, using the `cfy teardown` command.
- Cloudify Manager no longer uses a `root` user for its operation.

Upgrading Cloudify Manager 4.0.0

Use the following procedure to upgrade Cloudify Manager 4.0.0, to version 4.0.1, or later:

Prerequisites

To work with existing agents, the broker credentials that you pass as inputs must be the same as those specified for the Manager that you are updating. Make a note of the credentials of the existing Cloudify Manager before you tear it down.

Procedure

1. Run the following command to take a snapshot of Cloudify Manager 4.0.0 and download it.:

```
cfy snapshots create my_snapshot
cfy snapshots download my_snapshot -o {{
/path/to/the/snapshot/file }}
```



2. (Optional) If you have Cloudify agents with which you want the new instance of Cloudify Manager to communicate, using SSH, on the Manager VM run the following command to save the SSL directory in another location (for example, the home directory:

```
cp -r /etc/cloudify/ssl {{ your home dir, I.E:  
/home/centos }}
```

3. Tear down Cloudify Manager 4.0.0, using the procedure described [here](#).
4. Bootstrap a new Cloudify Manager on the same VM.

To use the agents from the previous Cloudify Manager make sure that you pass the same `rabbitmq_username` and `rabbitmq_password` as you did when bootstrapping the original Manager. If you did not pass any username or password, do not pass them during bootstrapping the new Manager, in which case the default values will be used. If you used a Cloudify Manager 4.0.0 image,- both values are `cloudify`.

5. Run the following commands to restore the snapshot from the old Manager on the new Manager.

```
cfy snapshots upload {{ /path/to/the/snapshot/file }}  
--snapshot-id my_snapshot  
  
cfy snapshots restore my_snapshot
```

After the execution is complete, you can run the following command to check it's status:

```
cfy executions list --include-system-workflows
```

6. (Optional)) If you have Cloudify agents with which you want the new instance of Cloudify Manager to communicate, using SSH on the Manager VM run the following command to replace the new Manager's SSL directory with the one you copied from the previous Manager .

```
sudo rm -rf /etc/cloudify/ssl  
  
sudo cp -r {{ previously saved ssl dir, I.E:  
/home/centos/ssl }} /etc/cloudify
```

To ensure that the directory has Read permissions, run:

```
sudo chmod -R 644 /etc/cloudify/ssl
```

7. Reboot the Manager VM.

You can verify the changes have been successfully implemented by running `cfy status`.

Tearing Down Cloudify 4.0.0

This procedure describes how to tear down Cloudify Manager 4.0.0 while keeping the VM alive. You must use this procedure if you want to reinstall or upgrade Cloudify Manager 4.0.0 on the same VM.

Procedure

1. (Optional) To keep your existing data, take a snapshot and download it:

```
cfy snapshots create my_snapshot
cfy snapshots download my_snapshot -o {{
/path/to/the/snapshot/file }}
```
2. Using SSH, on the Manager VM run the following commands to download the teardown script and run it as `sudo`.

```
curl -o ~/cfy_teardown_4_0_0.sh
https://raw.githubusercontent.com/cloudify-cosmo/cloudify-dev/master/scripts/cfy\_teardown\_4\_0\_0.sh
sudo bash cfy_teardown_4_0_0.sh (You must supply a -f flag.)
```
3. It is recommended that you remove the profile directory of this Manager from your local `~/.cloudify/profiles` directory:

```
rm -rf ~/.cloudify/profiles/{{ your Manager's ip }}
```

The Manager is removed from the VM, and you can bootstrap a new Manager of version 4.0.0, or higher) on the same VM.

Fixed Issues

- [CFY-6794](#) - You can now use `teardown` to uninstall Cloudify.
- [CFY-6740](#) - Ctx runtime properties now work as expected in Cloudify Manager blueprints.
- [CFY-6718](#) - `restore snapshot` now works with different schemas.
- [CFY-6711](#) - Cloudify Manager image configuration restarts the rabbitmq service after certificates creation on first boot.
- [CFY-6663](#) - The issue in which a `user` saw an incorrect number of `node-instances` in the Cloudify Web interface has been addressed.
- [CFY-6660](#) - The issue in which the ``_include=created_by`` property in the REST API did not work, has been addressed.
- [CFY-6709](#) - The issue in which the Events API did not filter responses has been addressed.
- [STAGE-308](#) - The issue in which the Cloudify Web interface failed to scale a simple “hello world” blueprint has been addressed.
- [STAGE-262](#) - An environment variable has been added to enable certificate authentication in the Cloudify Web interface.



- [STAGE-299](#) - You cannot restore snapshots from the Cloudify Web interface.

Tasks

- [CFY-6828](#) - Add stage DB migration revision to snapshot metadata.
- [CFY-6775](#) - When you create a snapshot, the Cloudify Manager certificate is also saved.
- [CFY-6744](#) - Encryption keys are autogenerated on the master node of a cluster.
- [CFY-6722](#) - Multiple local profiles are supported by default.
- [CFY-6245](#) - REST service logging configuration should be parameterized.
- [STAGE-267](#) - In the Cloudify Web interface Deployments page, node statuses that have no nodes (number is 0) are gray.
- [STAGE-258](#) - Only blueprint samples are displayed in the Blueprint Catalog repository.
- [STAGE-225](#) - You can use `""` as an empty string for input values.
- [STAGE-190](#) - A `creator` field has been added to blueprints, deployments, snapshots, plugins and executions resources.

Known Issues

- [STAGE-312](#) - In the Cloudify Web interfaces, if you view a workflows that requires inputs in the `Execute workflow`, and you do not refresh the page, when you attempt to run the `install` workflow, the execution fails.
- [CFY-6726](#) - You should use `--allow-custom-parameters` to uninstall blueprints that import `types.yaml` earlier than version 4.0.

4.0 GA (4-April-2017)

Fixed Issues

- [CFY-6652](#) - Timestamp in logs has been changed to system time.
- [CFY-6667](#) - `ctx.download_resource` no longer generates an incorrect file server path on Windows.
- [CFY-6601](#) - Snapshots can now be used in HA mode.
- [CFY-6619](#) - It is now possible to upgrade machines that have more than one agent.
- [CFY-6606](#) - The issue in which a new active manager was not triggered on a cluster in the event that the Nginx server stopped on the current active manager has been addressed.



- [CFY-6657](#) - The issue in which, if you added a node to a cluster using the same name as a different machine which is no longer part of the cluster, the cluster did not work has been addressed.
- [CFY-6635](#) - Userdata agent installation is broken due to SSL certificate validation
- [CFY-6577](#) - You can now run an agent upgrade following a snapshot restore.
- [CFY-6684](#) - Snapshots in which the deployment or node ID contains an underscore (_) no longer fail.

Tasks

- [CFY-6280](#) - PostgreSQL is used in snapshots code.
- [CFY-6645](#) - A number of new fields have been added to events/logs that are returned by the REST service.
- [CFY-6648](#) - The implementation for the events endpoint in the API implementation (v.3) has been updated to return a flat dictionary response.
- [CFY-6618](#) - Refine rest-location for HA modes
- [CFY-6622](#) - The `upgrade` command has been removed from `cfy` for this release.

4.0 RC1 (23-March-2017)

Highlights

- **Secrets storage** - You now have the ability to store secrets in Cloudify Manager and refer to them using an intrinsic function in blueprints.
- Private key file content can be passed to the compute node `agent_config` property.
- RabbitMQ is encrypted by default.

New Features

- [CFY-6495](#) - Secrets API has been added with `create`, `update` and `get` functions.
- [CFY-6538](#) - `list` and `delete` to functions are add to the secrets API.
- [CFY-6530](#) - `get_secret` has been added as an intrinsic function in the blueprints.
- [CFY-6531](#) - Agent config can receive the SSH key as a string (the content).

Fixed Issues

- [CFY-6395](#) - Filtering is now possible by either events or logs.

- [CFY-6557](#) - Empty values are supported in rangeable decorator.
- [CFY-6408](#) - Events filter fields are no longer ignored.
- [CFY-6516](#) - The REST service to be unresponsive when deployments are deleted in parallel .
- [CFY-6581](#) - Teardown is now possible in the event of an unsuccessful bootstrap.
- [CFY-6614](#) - The CLI documentation for the `-a` and `-e` flags of `cfy ldap set` command has been clarified.
- [CFY-6578](#) - The `-t` flag in the `cfy snapshot restore` command is more fully explained.
- [CFY-6562](#) - The error that occurred when bootstrapping SSL-enabled, with auto generated certificates has been addressed.
- [CFY-6560](#) - `cfy status` now returns "Cloudify Stage" instead of "Cloudify UI".
- [CFY-6617](#) - When LDAP integration is being used it is no longer possible to create users or add them to groups/tenants via Cloudify.
- [CFY-6600](#) - The name of the node to remove from a cluster is now an argument and not an option.
- [CFY-6595](#) - The CLI now returns an appropriate error message in the event that, when requesting `cfy cluster nodes list`, there are no Cloudify Managers online in the HA cluster.
- [CFY-6597](#) - A relevant error message is now returned in the CLI if you try to remove a non-existent node from an HA cluster.
- [CFY-6550](#) The `cfy cluster set-active` function no longer breaks.
- [CFY-6549](#) - An error no longer occurs when you attempt to include only `blueprint_id` in deployment results.

Tasks

- [CFY-6481](#) - RabbitMQ is now configured to use SSL, with the same certificate as REST
- [CFY-6535](#) - Maintenance mode can only be enabled/disabled by an `admin` user.
- [CFY-6612](#) - RBAC commands are not included in the 4.0 release.
- [CFY-6475](#) - Requests dependencies have been updated to `>= 2.7.0, < 3.0.0`.
- [CFY-6569](#) - Network components have been added to the node cellar OpenStack example.
- [CFY-6434](#) - The OpenStack plugin has been changed to version 2.0.1 in CLI packages and examples.



- [CFY-6507](#) - A secure `internal_api_token` has been created.
- [CFY-6545](#) - Consul bin and synching bin have been moved to `/opt/consul`.
- [CFY-6526](#) - Handle manager certificate in cluster, in agents

Known Issues

- [CFY-6660](#) - If you make a REST API call using the `_include=created_by` argument, you will receive a corrupted response.
- [CFY-6616](#) - If you delete a Cloudify Manager and you are using the CLI as a client, you must delete the CLI profile of the manager.

4.0 M15 (9-March-2017)

Highlights

- Encrypted communication between agents/management worker and manager (REST API + File server).

New Features

- [CFY-6382](#) - Add a `service_name` property to Cloudify's agent AgentConfig data type
- [CFY-6367](#) - All internal (agent/mgmtworker to rest service) REST communications are now SSL encrypted over port 53333
- [CFY-6492](#) - File server access is now possible only through port 53333 (with the suffix ``/resources``) and is also SSL encrypted

Fixed Issues

- [CFY-6517](#) - `cfy status` doesn't show active manager ip
- [CFY-6500](#) - Standby manager start original db after reboot
- [CFY-6501](#) - ``cfy status`` shows postgresql service as dead in HA
- [CFY-6510](#) - `cfy resource list` returns 'NoneType' object has no attribute 'get'
- [CFY-6511](#) - Vague error message when missing ssh credentials
- [CFY-6504](#) - Offline bootstrap fails due to `dsl_resources` input bug
- [CFY-6498](#) - Unable to specify a file path for `manager_resources_package`
- [CFY-6496](#) - Fixed security groups in manager blueprints

Tasks

- [CFY-6381](#) - Create cloudify agent storage directory under %PROGRAMDATA%
- [CFY-6380](#) - Cloudify agent installations on Windows should be located under %PROGRAM FILES%. (only 4.0 part, 3.4.2 was submitted in previous cycle)
- [CFY-6508](#) - Remove cloudify-aria-extensions dependency from 4.0
- [CFY-6497](#) - Generate internal SSL certificates on Cloudify manager image first boot
- [CFY-6486](#) - Remove cfy recover command
- [CFY-6472](#) - Set a default number for workflow operation retries
- [CFY-6092](#) - Remove Elasticsearch from manager bootstrap
- [CFY-6442](#) - The creator of a resource should be visible whenever listing/getting resources
- [CFY-6443](#) - Change manager's certificate location
- [CFY-6484](#) - Generate internal_api_token per user
- [CFY-6526](#) - Handle manager certificate in cluster
- [CFY-6514](#) - Sync security configuration files
- [CFY-6502](#) - Support `cfy cluster set-active` command
- [CFY-6499](#) - Move lock file into /tmp
- [CFY-6527](#) - Create Stage db in manager

4.0 M14 (23-February-2017)

Fixed Issues

- [CFY-6473](#) - An infinite loop no longer occurs in dispatch if the workflow executor reaches an invalid state.
- [CFY-6412](#) - By default, when you generate the list of users, tenants, or user-groups only the number of linked resources are displayed. You can retrieve full details with the use of a `--include-users`, `--include-tenants`, or `--include-groups` flag.
- [CFY-6437](#) - The issue related to creating and restoring snapshots has been addressed.
- [CFY-6476](#) - The issue related to source plugin TAR creation when uploading a blueprint has been addressed.

Tasks



- [CFY-6405](#) - Cloudify CLI on a Cloudify Manager image has been created for a root user.
- [CFY-6157](#) - An OpenStack `hello world` example that is compatible with the `simple-manager-blueprint.yaml` has been created.
- [CFY-6365](#) - Automatically-generated SSL certificates are passed from Cloudify Manager to the agent during the agent's creation.
- [CFY-6433](#) - The name of the administrator role in Cloudify has been changed from `administrator` to `admin`.
- [CFY-6273](#) - It is possible to have a cluster operation without a majority of the cluster being available. The Cloudify Manager with the most-recently updated data will be selected as the active manager.
- [CFY-6370](#) - Permissions are verified for every file server request.
- [CFY-6413](#) - Credential headers are only added to a request when necessary.
- [CFY-6435](#) - To enable secure communication between the agent and the Cloudify Manager, file server credentials are passed to the agent.

4.0 M13

Highlights

- The multi tenancy REST API is now documented.
- The new Cloudify user interface (stage) is functional and running on Cloudify Manager.

New Features

- [CFY-6356](#) - In the event that the uninstall workflow fails, a message is displayed that includes a solution to the problem.

Fixed Issues

- [CFY-6388](#) - The situation in which ``logstash`` failed to fetch logs and events that were written after exchanges from logs and events were deleted has been addressed.
- [CFY-6333](#) - The situation in which the ``create snapshot`` command failed when the snapshot file was too big has been addressed.



Tasks

- [CFY-6129](#) - The `logstash jdbc` and `postgresql` plugins have been added to the Cloudify Manager resources file.
- [CFY-6349](#) - During boot-up, if the `set_manager_ip_on_boot` parameter is set to `true`, the Cloudify Manager image updates the private IP address of Cloudify Manager, assuming that `admin_password` has been specified..
- [CFY-6389](#) - The `CloudifySettings` Blueprint has been removed from Cloudify Manager images.
- [CFY-6364](#) - An SSL certificate for Cloudify Manager/agent communication is automatically generated during bootstrapping.
- [CFY-6369](#) - An API call has been created that validates the permission of a user to access a file server resource.
- [CFY-6350](#) - The `get Cloudify version`, `get user tenants` and `get user token` requests can be implemented without a specific tenant needing to be provided.
- [CFY-6185](#) - The multi tenancy REST API is now documented.

4.0 M12 (31-January-2017)

Highlights

- LDAP passwords are no longer stored in the Cloudify DB.
- The default tenant cannot be deleted.
- From this milestone, Cloudify premium is not uploaded to `pypi`. Only community releases will be uploaded.

New Features

- [CFY-6184](#) - LDAP passwords are no longer stored in the Cloudify DB.
- [CFY-6317](#) - The default tenant cannot be deleted.
- [CFY-6319](#) - You can generate random salt and secret key during bootstrapping.
- [CFY-6336](#) - The token API now returns a user's role.
- [CFY-6340](#) - It is possible to work with the bootstrap admin role, even when LDAP is configured.



Fixed Issues

- [CFY-6262](#) - Tenants are added to resource paths on the file server.
- [CFY-6341](#) - You can now create snapshots.
- [CFY-6299](#) - You can now sort by tenant name.
- [CFY-6337](#) - When users call the list of tenants to which they have access, tenants to which they have access through group membership is now displayed, in addition to the tenants to which they have direct access.
- [CFY-6346](#) - The issue in which only group information was returned instead of tenant information (including its groups), when running `client.tenants.add_group('group_1', 'default_tenant')` or `client.tenants.remove_group('group_1', 'default_tenant')` has been addressed.

Known Issues

- `cloudify-sta` does not work in this milestone.

4.0 M10 (29-December-2016)

What's new

- It is now possible to delete tenants, groups and users.
- An OpenStack Windows example!
- Improved LDAP integration.

New Features

- [CFY-6206](#) - Add support for deletion of tenants/groups/users
- [CFY-6236](#) - Validate manager credentials when using `cfy profiles set/unset`

Fixed Issues

- [CFY-6196](#) - Inappropriate error message when creating a user with an existing name



- [CFY-6221](#) - Check for existence of premium package doesn't work

Improvements

- [CFY-6145](#) - Guard on bootstrap admin (special user that can't be deleted/modified)
- [CFY-6146](#) - Only bootstrap admin can restore v4.x snapshots
- [CFY-6176](#) - Refactor rest-client add user to group
- [CFY-6199](#) - support user who want to get only resources for a specific tenant.
- [CFY-6208](#) - When using LDAP (such as AD), the user <-> user-groups association should be made only via LDAP

4.0 M9 (15-December-2016)

Fixed Issues

- [CFY-6052](#) - Bootstrap may fail if manager's VM image doesn't contain /root/.ssh
- [CFY-3902](#) - Diamond agent not started upon restart
- [CFY-4233](#) - Validate strings in blueprints and inputs do not contain unicode characters

Improvements

- [CFY-6162](#) - REST API results will be limited to 1000
- [CFY-6161](#) - Enforce an upper bound limit for the default number of unicorn workers.
- [CFY-6138](#) - Update cfy command for user assignment to groups.

4.0 M8 (1-December-2016)

What's new

- Per user/role access control for Cloudify resources.
- cfy use has been changed to "cfy profiles use".



New Features

- [CFY-6115](#) - Clients detection of active manager (managers cluster).
- [CFY-6096](#) - Add support for private resources and resource permissions
- [CFY-6193](#) - Add `tenant` and `permission` to REST/CLI responses

Fixed Issues

- [CFY-6156](#) - cfy blueprints upload from GitHub does not work
- [CFY-6128](#) - snapshot restore is broken

Improvements

- [CFY-6130](#) - Rearrange cfy profile commands
- [CFY-6135](#) - Consolidate cfy use and cfy profiles

4.0 M7 (20-November-2016)

What's new

- It is now possible to specify the number of gunicorn processes in bootstrap inputs.
- New cfy commands for manager cluster management (cfy cluster...).
- Premium cli packages are available. These packages include the following features: Multi Tenancy, Manager High Availability, LDAP Authentication.

New Features

- [CFY-6070](#) - Provide manager input for number of gunicorn processes
- [CFY-6062](#) - Add unique storage IDs to all models to allow same-name resources on different tenants (also includes a giant refactor of the storage)
- [CFY-6009](#) - Support HA configuration
- [CFY-6075](#) - Add database replication in the HA configuration

4.0 M6 (6-November-2016)

Fixed Issues

- [CFY-6005](#) - Unclear error messages are printed when executing cfy teardown -f --ignore-deployments
- [CFY-5877](#) - Obscure, unhelpful message when agent installer fails to connect to VM

4.0 M5 (25-October-2016)

What's new

- Cloudify admin password is auto-generated on bootstrap if not specified by the user.

New Features

- [CFY-5979](#) - Support basic tenants commands
- [CFY-5988](#) - Create basic premium feature implementation, that will be available only for paying customers
- [CFY-5982](#) - Auto-generate password during bootstrap, and keep it in the CLI profile

Fixed Issues

- [CFY-6003](#) - cfy deployments create contains a redundant deployment-id argument.
- [CFY-6006](#) - Windows CLI package upload blueprint from secured URL fails on certificate verification.

4.0 M4 (October-2016)

What's new

- [CFY-6000](#) - Adding High Availability components to the manager

Fixed Issues

- [CFY-5995](#) - Dispatch evaluate_functions attempts to use ctx before it is set when using get_attribute in secured mode



- [CFY-6003](#) - cfy deployments create contains a redundant deployment-id argument

Known Issues

- [CFY-6006](#) - Windows CLI package upload blueprint from secured URL fails on certificate verification

4.0 M3 (02-October-2016)

Release Highlights

- Security (authorization) is on by default.

What's new

- [CFY-5972](#) - Add logging configuration (/etc/cloudify/logging.conf)
- [CFY-5948](#) - Enforce user authentication and authorization by default (replace flask_securest).
- [CFY-5821](#) - Handle snapshots with PostgreSQL and the ability to load older Elasticsearch based snapshots.

Fixes Issues

- [CFY-5971](#) - Backwards compatibility for installing agents on Windows hosts for pre-3.3.0 blueprints has been fixed.
- [CFY-5745](#) - Missing failure indication during bootstrap with no auth env variables
- [CFY-5995](#) - Dispatch evaluate_functions attempts to use ctx before it is set when using get_attribute in secured mode

Improvements

- [CFY-5950](#) - Refactor storage imports in the rest_service
- [CFY-5912](#) - Consolidate old non-SQLAlchemy models into the new ones
- [CFY-5926](#) - Refactor storage manager and blueprint manager

Known Issues

- [CFY-6006](#) – Windows CLI package upload blueprint from secured URL fails on certificate verification

4.0 M1 (31-August-2016)

Release Highlights

New CLI merged, changes summary:

- Add context. Commands will now be available according to whether you're using a manager or not.
- ``cfy init`` is no longer required before ``cfy use`` or ``cfy bootstrap``.
- Add flags to ``cfy use`` to set user and ssh-key path.
- Remove ``cfy local`` to consolidate its commands with "manager" commands.
- ``.cloudify`` now resides under `~`` unless an environment variable called ``CFY_WORKDIR`` is set in which case it will be switched to that dir.
- Introduce profiles. A profile will now be created per manager
- For that end, ``cfy profiles`` is introduced. Currently, it provides the ``list``, ``delete``, ``import`` and ``export`` commands.
- Importing and exporting of profiles can include ssh keys via the ``--include-keys`` flag.
- ``cfy init -r`` no longer resets logger and coloring configuration. You should provide the ``--hard`` flag to do that.
- Replace flags with positional arguments where necessary
- Solve flag naming consistency issues.
- Remove the ``--skip-logging`` from ``cfy init``.
- [CFY-5451](#) - ``cfy events list`` now includes logs by default. You can ask to not show logs via the ``--no-logs`` flag.
- Remove the ``--debug`` flag which is just an alias for ``-vvv``.
- Auto generate names for blueprints and deployments ALWAYS unless there is a

blueprint or deployment already with the same name. You can still provide them explicitly.

- Add task retry related flags to `cfy teardown`.
- Remove `cfy blueprints publish-archive`. `cfy blueprints upload` can now receive a path to a local yaml, a path to a local archive or a url of an archive. If an archive is provided, the `--blueprint-filename` flag is now mandatory.
- Add `cfy inputs` for local context.
- [CFY-5470](#) - Fix issue where not providing a required input will not show which input was required.
- Rename all `output` flags to `output-path`.
- Rename all `--force` like flags to `--force`.
- Ignore bootstrap validations when `--skip-validations` is provided in `cfy upgrade`.
- Allow passing a `--skip-sanity` flag to the bootstrap process.
- `cfy install` and `cfy blueprints upload` can now receive either a local path to a yaml, local path to an archive, url to an archive and a Docker/Vagrant like string to a repository.
- `cfy profiles export` can now receive the `--include-keys` flag which includes the ssh keys (if applicable) of the profiles in the archive. `cfy profiles import` will import any keys in the archive and place them in their original paths.
- `cfy profiles get-active` prints out the currently used profile. `cfy profiles list` will now show an asterisk next to the active profile.
- `cfy blueprints upload` and `cfy install` will now auto generate blueprint and deployment names only once per blueprint.
- `cfy blueprints package` added which packages a blueprint into a tar.gz or zip archive according to the OS. This archive is installable or uploadable via `cfy install` and `cfy blueprints upload`.
- Setting the env var CFY_MULTIPLE_BLUEPRINTS to `true` will allow users to initialize multiple blueprints locally.

What's new

- [CFY-5802](#) - Add postgresSQL to manager
- [CFY-5639](#) - Manager should provide functionality to delete events/logs of deployments
- [CFY-5552](#) - Snapshots download should show progress indication
- [CFY-5509](#) - cfy plugins upload should support a URL
- [CFY-5508](#) - Add resource upload/download progress to CLI



- [CFY-5727](#) - Allow importing yaml files other than "blueprint.yaml" to composer
- [CFY-5798](#) - Add "ignore_failure" parameter to uninstall workflow.
- [CFY-5296](#) - Add sorting to "cfy * list".
- [CFY-4837](#) - Allow bootstrap to run on port != 22.
- [CFY-4986](#) - Add influxDB retention policy to manager
- First release of telegraf-plugin and filebeat-plugin
- CFY- New CLI merged. Changelog at: <https://goo.gl/A3Nz1t>

Fixed Issues

- [CFY-5464](#) - fix descending sort by time.
- [CFY-5493](#) - Fix scale workflow when scaling a node template that is part of a group and is contained in another node not part of that group.
- [CFY-5782](#) - Fix deployment update broken for deployments migrated from Cloudify 3.2.1
- [CFY-5453](#) - deployment's updated_at field isn't updated on a deployment update
- [CFY-5698](#) - mgmt worker sporadically doesn't restart after reboot
- [CFY-5589](#) - Workflow parameters types should be validated before attempting to execute the workflow.
- [CFY-5711](#) - Workflow parameters casting.
- [CFY-5699](#) - Blueprint parsing error - circular get_property detected although there isn't any.
- [CFY-5371](#) - Fixed filtering for snapshots endpoint (added decorator).
- [CFY-5631](#) - Fixed the dereferencing of anchors in blueprints. The behavior was inconsistent, and different values were set each time. This fixed [CFY-5561](#) (deployment update claims "unsupported changes" when there are no changes) as well.
- [CFY-5838](#) - Fixed the issue with workflow_test decorator (for uni-tests), checking for wrong dir path.

Tasks

- [CFY-5824](#) - Add PostgreSQL to the Integration Tests environment.
- [CFY-5606](#) - Increase node-instances auto-generated ID section's range
- [CFY-5298](#) - Maintenance mode system test
- [CFY-5665](#) - Remove transient deployment workers mode configuration from manager



blueprints

- [CFY-5845](#) - Add the ability to run a specific system test from an external repository.