# Cloudify openstack on rackspace

**Cloudify** is an openstack ,cloudify takes an existing application and manage it on private or public cloud , without code changing .it takes already existing application and without changing code it stores in private or public cloud

In cloudify developers can build their application with any tool or framework and cloudify handles the deployment, scaling and management on the rackspace cloud without any application code changes

**RACKSPACE:** it means in cloudify it stores exististing application that should be stored in private or public cloud .without code changing , that stored data is managed by rackspace

**Cloudify for OpenStack:-**

Open stack cloudify has two part process

1. Integrating with open stack and

2. Core services

In cloudify, we took this need seriously and have rewritten our entire product in Python, and have implemented a similar stack and architecture to easily fit right in with an Open Stack project.

**How cloudify works:-**

Cloudify is an orchestrator for apps on the cloud that will deploy, manage and scale the full application stack. The cloudify manager processes the orchestration plan(aka: blueprints), monitors the state of the application and deploys that serve as execution units for carrying out the managers instructions, Cloudify’s open architecture allows us to create and use custom types, workflows and plugins to create an environment that works to us.

**Cloudify Editions:-**

In cloudify editions there are of two types :

1. Free open source edition

In free open source edition we can download it,fork it and make it our own.Support packages are available to accompany the free edition.

Features highlights:-

* Network Orchestratin
* Management and Monitoring
* Support for multiple Iaas Platforms
* Open, Pluggable Architecture
* Integration with any tool chain, such as chef, puppet and other

Premium Edition:

In premium edition it includes everything in the free edition,plus specific features for advanced deployments.The cost of the premium edition is based on the number of nodes & support requirements of our organization.

**Features highlights:**

* Enterprise-Grade support
* Advanced management & monitoring with comprehensive webUI
* Blueprint catalog
* Premium plug-ins
* Advanced Blueprints.

**Application:-**

* + Cloudify enables you to on-board any application onto any Cloud.
  + It automates any process we need to perform with regard to our applications on any cloud.
  + Cloudify can work on any environment i.e,,IaaS virtualized even non-virtualized.
  + Cloudify executes automation process using any tool we choose i.e from shell to chef,Puppet etc.
  + It provides infrastructure setup
  + It also provides application installation,upgrades etc.

**CONCLUSION:-** since the Cloudifyia an open source available in cloud ,it helps us to store all existing applications in private or public cloud without changing code because of these we store our data more securely

now a days Most of all companys works on cloud . we can take any open cloud sources to develop our applications( customer applications) cloudify open stack on rackspace is a fantatical open source present in cloud