**CLOUD SOFTWARE- OPEN SHIFT**

* **What is openshift?**

OpenShift is a [cloud computing](http://en.wikipedia.org/wiki/Cloud_computing) [platform as a service](http://en.wikipedia.org/wiki/Platform_as_a_service) product from [Red Hat](http://en.wikipedia.org/wiki/Red_Hat).

**Features**

* It is a paas service.
* It allows developers to quickely develop,host and scale applications in a cloud environment.
* With open shift we have a choice off offerings, including online,on premis open source projects.
* Price is free because it is open source.
* It is useful for startups developers,small business .
* We can get it to it by sign up online.
* We can Download a free evaluation.
* We can download from GitHub.
* OpenShift have different styles of handling how traffic flows towards applications.
* With OpenShift every node has a public IP address and it integrates with your DNS.
* **STEPS TO INSTALL OPENSHIFT**
* I was trying to install openshift client tools on my new ubuntu 14.0, So I was searched the package “rubygems”. After few googling, I landed this page  <https://launchpad.net/ubuntu/trusty/i386/rubygems/1.8.24-1ubuntu2> ,
* **“This package provides Rubygems for Ruby 1.8. In Ruby 1.9.X, Rubygems is provided with the interpreter”. i.e  The package name is “rubygems-integration”**
* Now install the below packages

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| --- |
| **root@w3bootstrap.com:/home/sathish# apt-get install ruby-full rubygems-integration git-core** |

* After the installation, verify it

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| --- |
| **root@w3bootstrap.com:/home/sathish/openshift# ruby -e 'puts "Welcome to Ruby"'**  Welcome to Ruby  **root@w3bootstrap.com:/home/sathish/openshift# git --version**  **git version 1.9.1** |

* Now install openshift client tools

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| **root@w3bootstrap.com:/home/sathish/openshift# sudo gem install rhc** |

* After the installation, run the below command

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| **root@w3bootstrap.com:/home/sathish/openshift# rhc setup**    This wizard will help you upload your SSH keys, set your application namespace,  and check that other programs like Git are properly installed.    If you have your own OpenShift server, you can specify it now. Just hit enter to  use the server for OpenShift Online: openshift.redhat.com.  Enter the server hostname: |openshift.redhat.com|    You can add more servers later using 'rhc server'.    Login to openshift.redhat.com: shilpa@w3bootstrap.com  Password: \*\*\*\*\*\*\*\*\*\* |

* If everything goes well, you can run the rhc commands to access the openshift apps

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| --- |
| root@w3bootstrap.com:/home/shilpa/openshift# rhc  Usage: rhc [--help] [--version] [--debug] <command></command> [] |