



# User Guide for Click2Cloud CaaS Image V3.6

CLICK2CLOUD CAAS IMAGE ON ALIBABA CLOUD  
CLICK2CLOUD INC



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# Introduction:

**Click2Cloud CaaS (Container as a Service) Image** is a container application platform running on Alibaba Cloud where developers and teams can build, test, deploy, and run their containerized applications. This image could be made available on all the regions of Alibaba Cloud (ECS).

The platform created using this image also support the [Click2Cloud OpenShift Extension for Visual Studio IDE](#) to manage your application lifecycle on Click2Cloud CaaS Server.

Following is a step-by-step guide that shows you how to create an ECS instance using this Click2Cloud CaaS Image, and; connect, create and deploy containerize applications on Alibaba Cloud.

# Installation:

## Pre-Requisites:

You should have the Alibaba Cloud access to create an ECS instance.

The firewall ports given below should be open from security groups (**Intranet/Internet Inbound**) to access the Click2Cloud CaaS Server Web Console.

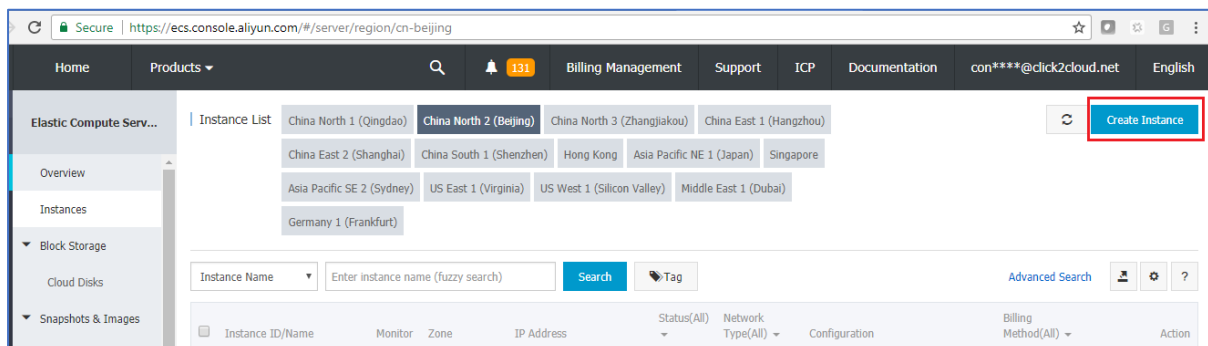
- 8443
- 53
- 80
- 443

## Create ECS Instance using Click2Cloud CaaS Image

1. Login to Alibaba Cloud

<https://account.alibabacloud.com>

2. Select Elastic Compute Services and Click on Create Instance.

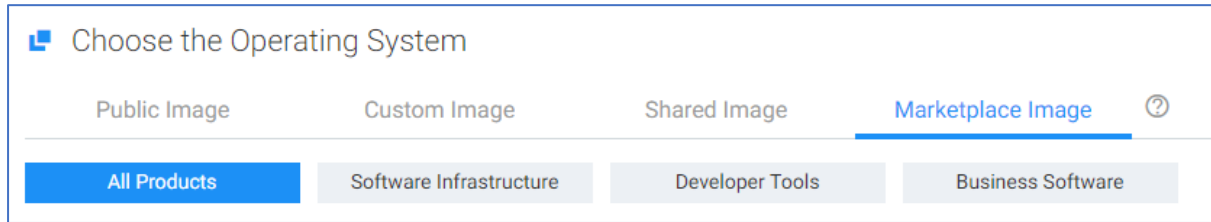


3. Choose; pricing model, region, instance type, network type, network bandwidth, etc.

### Recommended configuration for the image is:



- Instance Type: 2 Core, 8 GB RAM
- Network Type: Classic / VPC
- If using VPC: Class A (10.x.x.x) or Class C (192.168.x.x) are currently supported for click2cloud image.

4. Choose the Operating System from Marketplace and search for Click2Cloud CaaS Image.



5. Once all the information is provided, Click on Buy Now to create instance. It will take few mins to spin up Click2Cloud CaaS Server.

6. Once it gets in running state, you can login to the instance using public or private ip.

Instance ID/Name	Monitor	Zone	IP Address	Status(All)	Network Type(All)	Configuration	Billing Method(All)	Action
i-2ze73j4wx217xrcuj6fy Click2Cloud-CaaS-Lab		China North 2 Zone C	47.94.191.36(Internet IP Address) 10.25.158.211(Intranet IP Address)	 Running	Classic	CPU: 2 Core(s) Memory: 8 GB (I/O Optimized) 20 Mbps ( peak value )	Pay-As-You-Go 17-09-11 17:08 created	Manage   Connect More

# Click2Cloud CaaS Platform

After creating instance, you can use it as described below;

## Login to Click2Cloud CaaS Server

You can login it from putty or your shell terminal to connect using your public or private ip.

1. Once login you will get the information on terminal as shown below.

```
*****
*
* Welcome to Click2Cloud CaaS Platform on Alibaba Cloud
*
* << Instructions >>
*
* ## Login to WebConsole
* CaaS URL : https://47.94.191.36:8443
* Username : demo
* Password : demo@123
*
* ## To access the applications (2 options)
* 1. you can set these dns ip to your primary dns:
* > dns ip : 47.94.191.36
* ## OR ##
* 2. provide your own subdomain by running c2c command:
* > c2c-subdomain
*
* > For more details or any queries:
* mailto : contact@click2cloud.net
*
*****
```

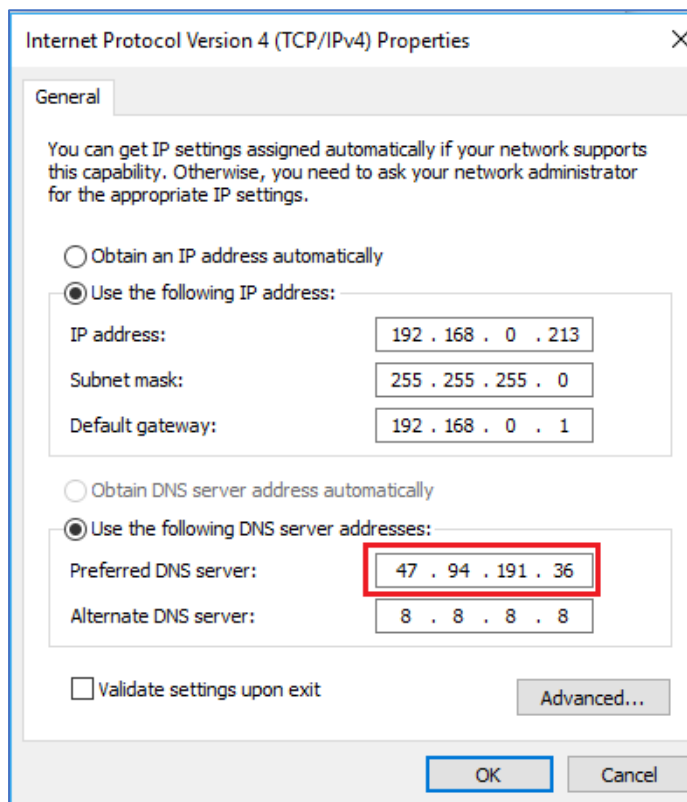
## DNS Settings to access the containerize applications.

There are two ways to access your containerize applications using subdomain.

- a) You can use default DNS i.e. aliapps.example.com. To access your application on default DNS, you have to configure the public IP as a primary DNS.

```
*****
*
*   Welcome to Click2Cloud CaaS Platform on Alibaba Cloud
*
*   << Instructions >>
*
*   ## Login to WebConsole
*   CaaS URL : https://47.94.191.36:8443
*   Username : demo
*   Password : demo@123
*
*   ## To access the applications (2 options)
*   1. you can set these dns ip to your primary dns:
*   > dns ip : 47.94.191.36
*   ## OR ##
*   2. provide your own subdomain by running c2c command:
*   > c2c-subdomain
*
*   > For more details or any queries:
*   mailto : contact@click2cloud.net
*
*****
```

Copy these public IP to your network adapter and set is as primary DNS.



b) You can use your public subdomain.

```
*****
*
* Welcome to Click2Cloud CaaS Platform on Alibaba Cloud
*
* << Instructions >>
*
* ## Login to WebConsole
* CaaS URL : https://47.94.191.36:8443
* Username : demo
* Password : demo@123
*
* ## To access the applications (2 options)
* 1. you can set these dns ip to your primary dns:
* > dns ip : 47.94.191.36
* ## OR ##
* 2. provide your own subdomain by running c2c command:
* > c2c-subdomain
*
* > For more details or any queries:
* mailto : contact@click2cloud.net
*
*****
```

Run the **c2c-subdomain** command from CaaS Server:

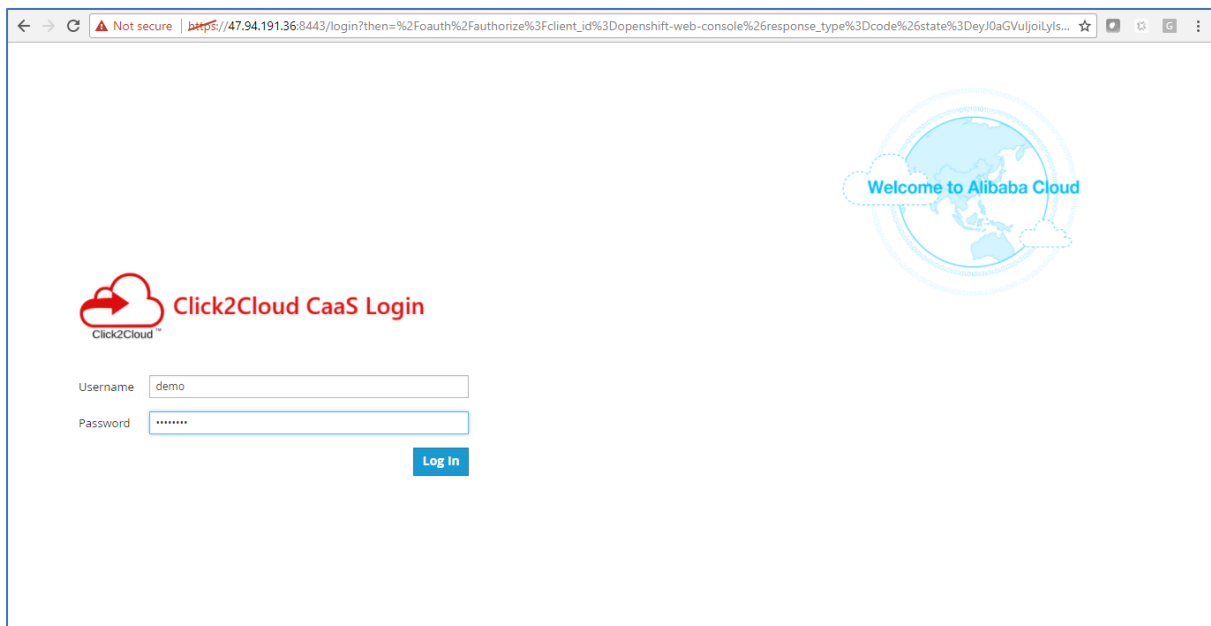
```
[root@c2c-oslab ~]# c2c-subdomain

Please enter your subdomain name : apps.click2cloud.net
You have entered 'apps.click2cloud.net' subdomain for your application.
Press Y to continue : y
Subdomain updated successfully.
Master service restarted successfully.
```



## Login to Click2Cloud CaaS Web Console

1. Copy the CaaS URL and paste it to browser to login Click2Cloud CaaS Platform. Use the login user and password displayed on the screen.



2. Click on Create Project and provide the project name and other details.

### Create Project

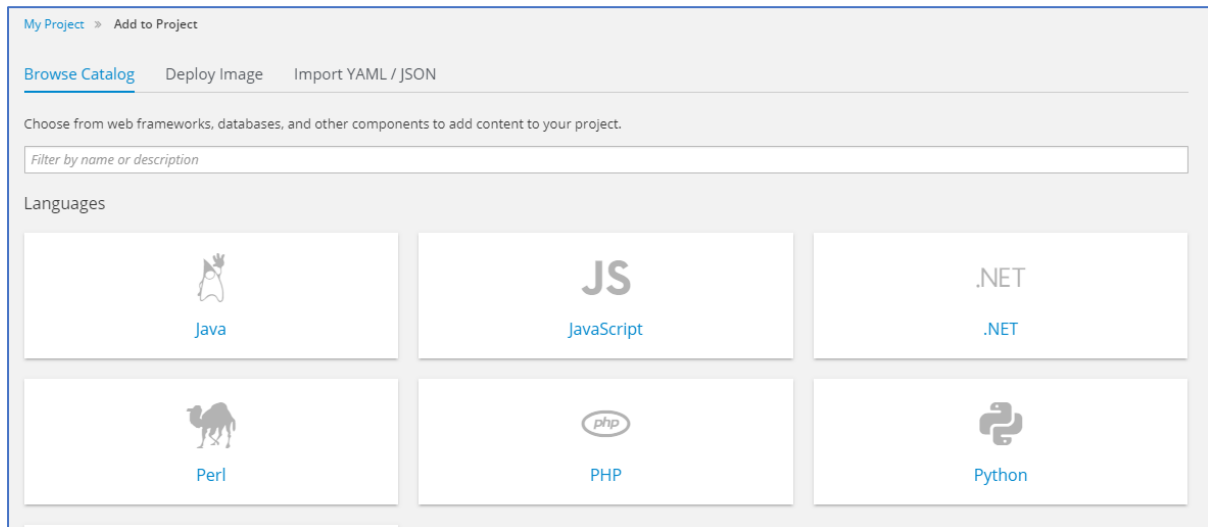
**\* Name**

A unique name for the project.

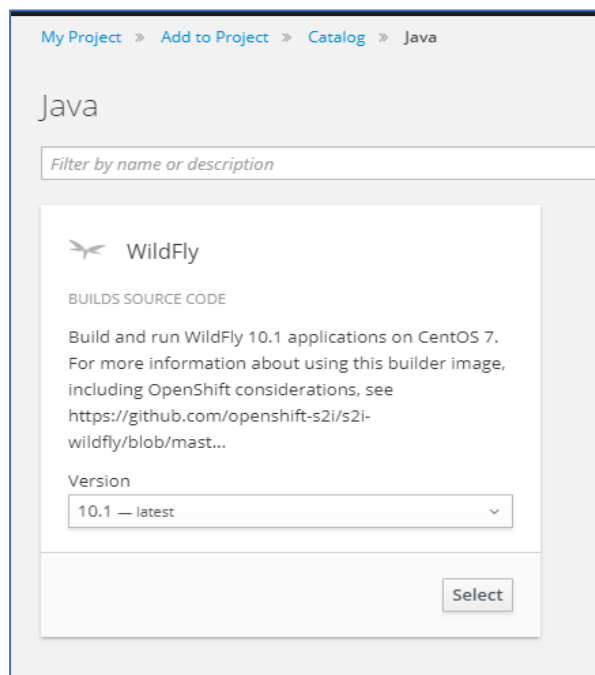
**Display Name**

**Description**

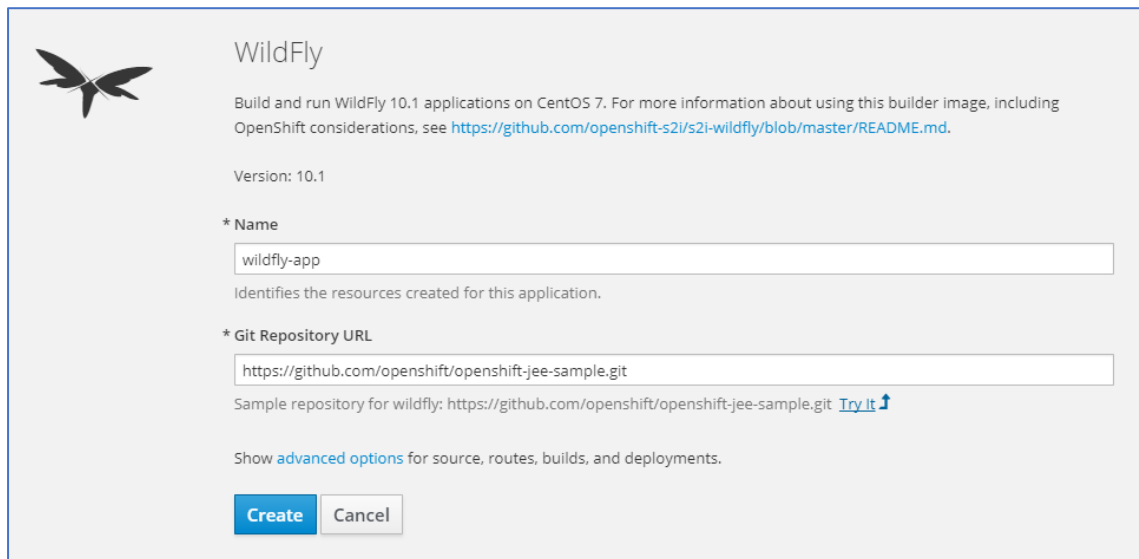
### 3. Select the Template to create your application.



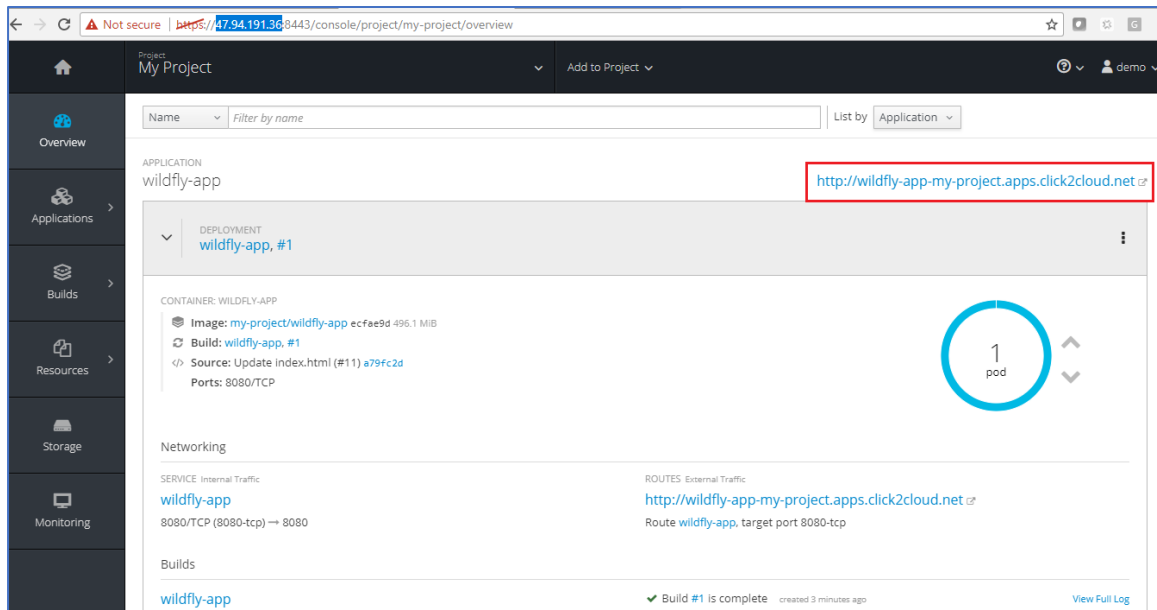
### 4. In this example, we have selected Java template and creating WildFly application.



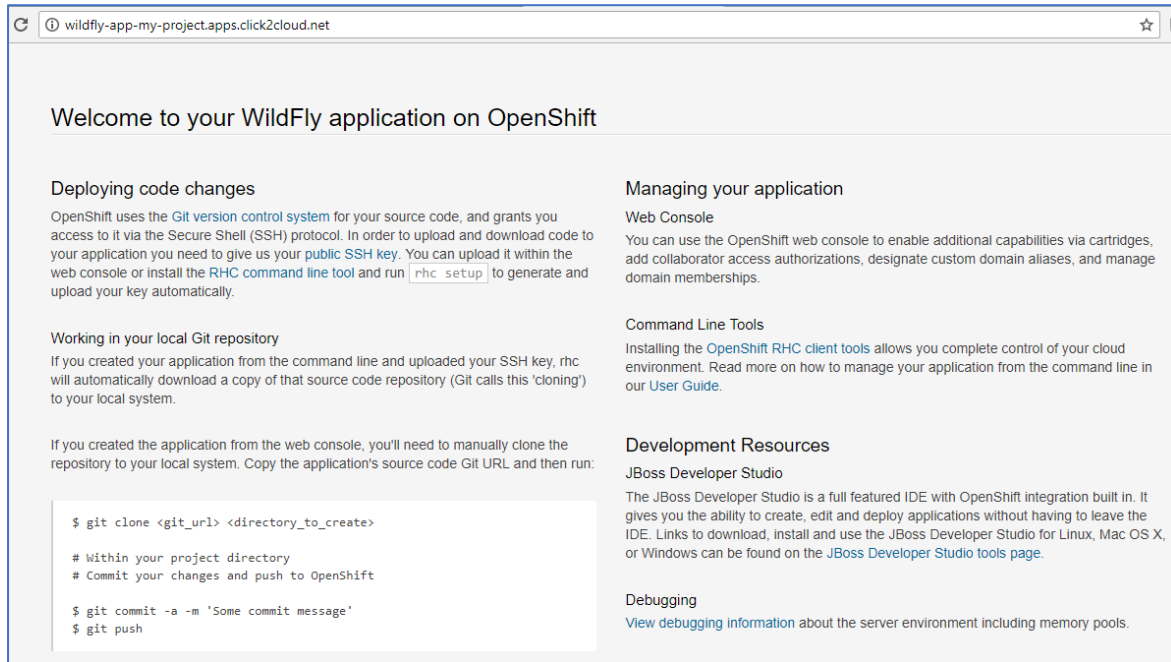
5. Provide name and GIT repository URL and click on Create.



6. It will take few mins and you will see the build is up and running.



7. Click on the link to browse the application, and you will see its up and running.



The screenshot shows a web browser window with the address bar containing "wildfly-app-my-project.apps.click2cloud.net". The main content area has a heading "Welcome to your WildFly application on OpenShift". Below this, there are several sections:

- Deploying code changes**: A paragraph explaining that OpenShift uses Git for source code and provides access via SSH. It mentions uploading a public SSH key and using the RHC command line tool.
- Working in your local Git repository**: A paragraph explaining how to clone the repository locally and push changes back to OpenShift.
- Managing your application**: A section with sub-sections:
  - Web Console**: Describes the OpenShift web console for managing capabilities, access, and domain memberships.
  - Command Line Tools**: Describes the OpenShift RHC client tools for complete control of the cloud environment.
  - Development Resources**: A sub-section for **JBoss Developer Studio**, describing it as a full-featured IDE with OpenShift integration.
  - Debugging**: A link to view debugging information about the server environment.

```
$ git clone <git_url> <directory_to_create>

# Within your project directory
# Commit your changes and push to OpenShift

$ git commit -a -m 'Some commit message'
$ git push
```