



How to launch your First ECS Linux instance on Alibaba Cloud

Published on July 20, 2017



Ajay Pal | [Follow](#)
Sr. Solution Specialist at Tata Communications



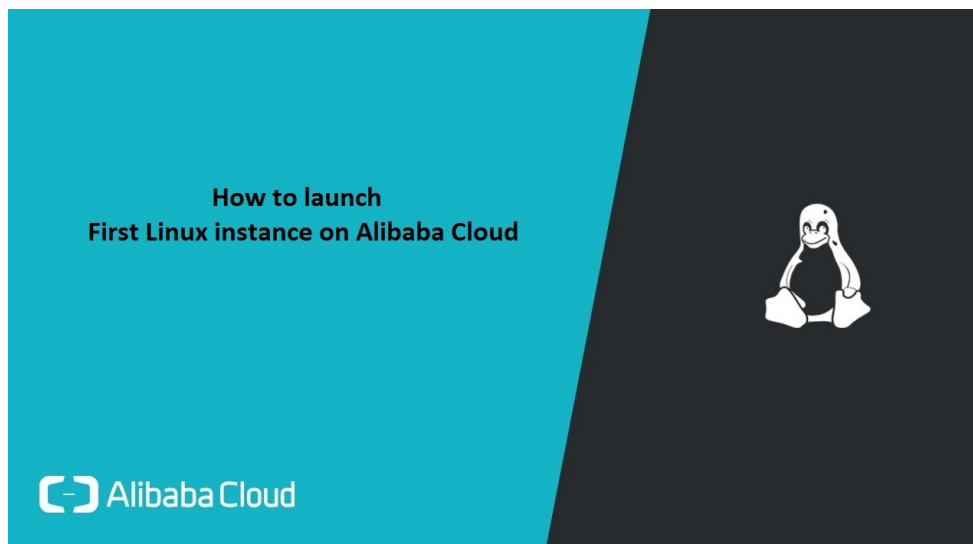
14



6



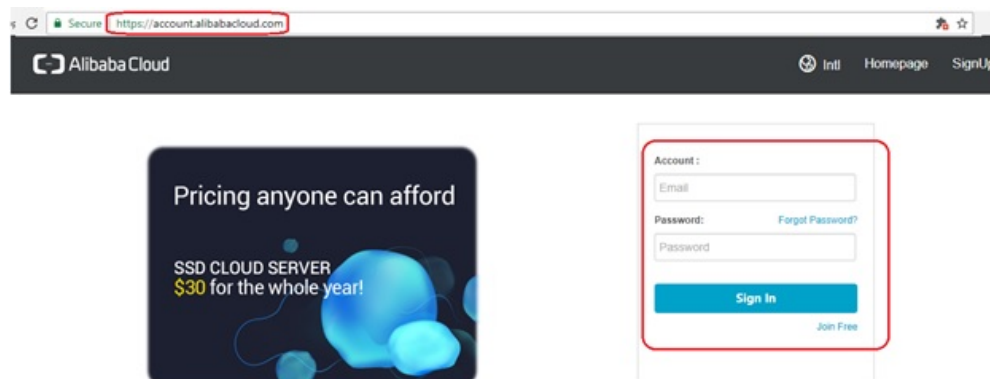
3

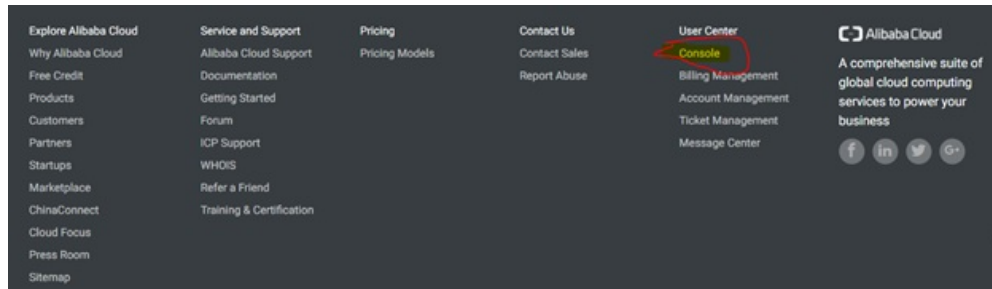


While the talks are around for Amazon EC2 instances, Azure Virtual Machine on Microsoft Azure and Google Compute Engine instances. Let us get our hands dirty by creating first instance on Alibaba Cloud.

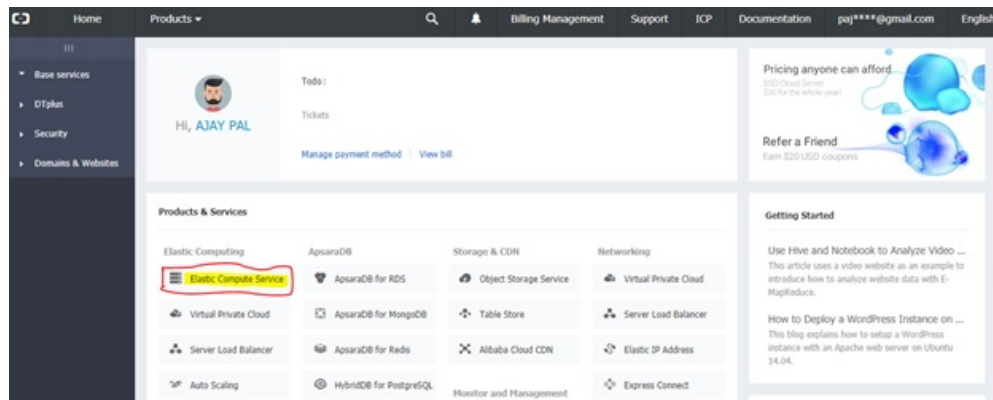
Unlike any other Cloud platform the very first step before you spin your Virtual machine instance is to create a Free trial account. Please refer [article](#)

1. Login to Alibaba Cloud console using a the free trial account credentials.

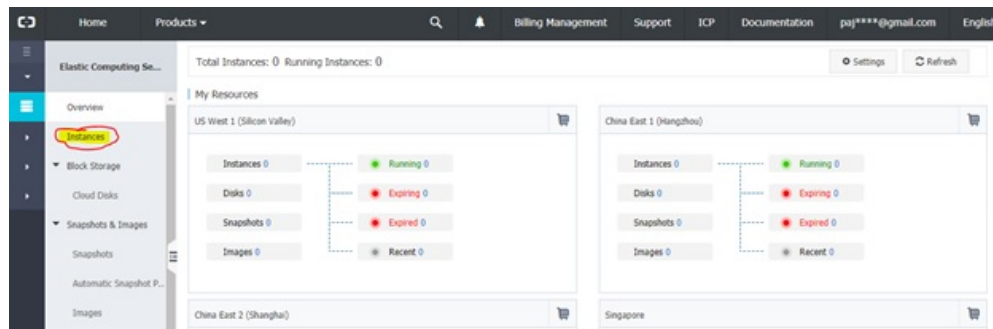




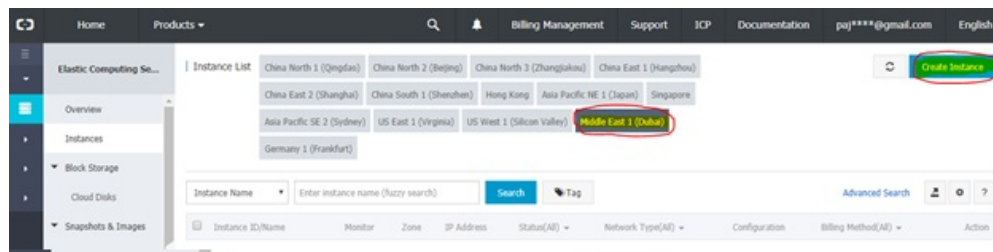
3. Click on the Elastic Compute Service under Product & Services.



4. Click on Instances at the left hand side.



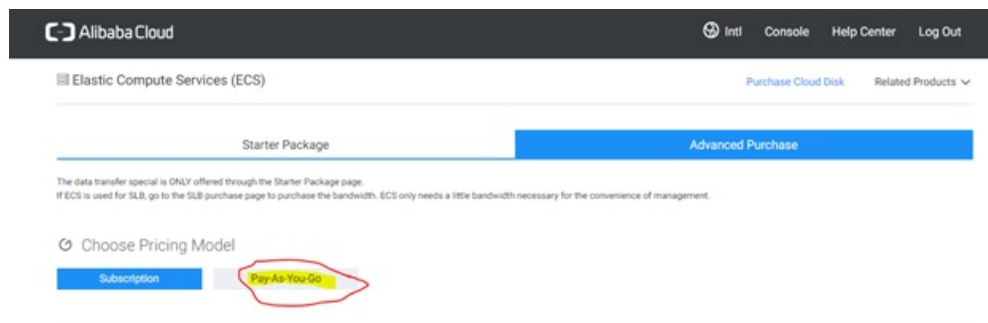
5. Select the Region this is for management console and not for the ECS VM deployment and click on Create Instance.



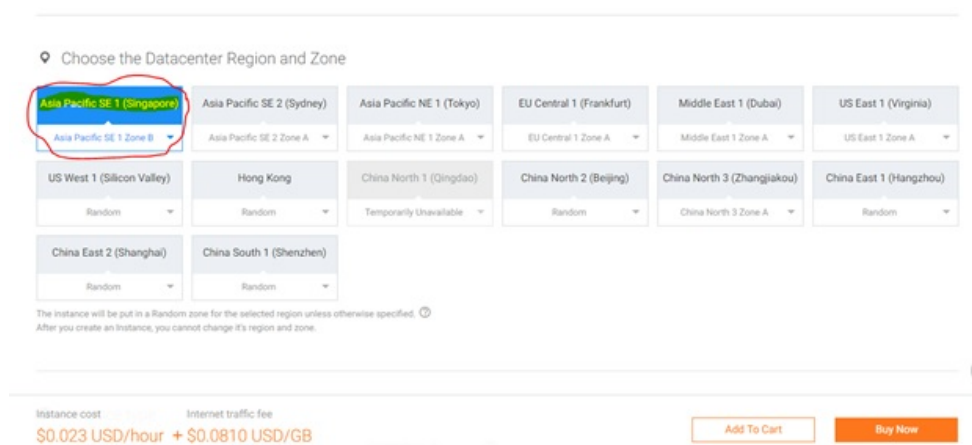
6. Click on Advanced Purchase & choose the pricing model as "Pay-As-you-Go".
PAYG model pricing is based on the usage and no. of hours the instance is turned ON.



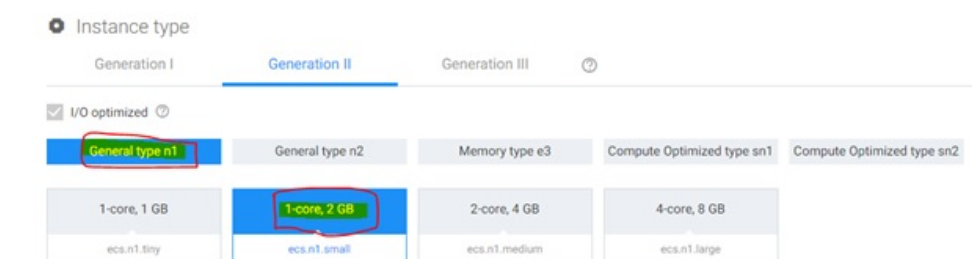
account balance.



7. Select the Datacenter Region and zone where actually the ECS instance will be created.



8. Select the instance type and instance configuration from the respective family.



9. Select Network type with default configuration and select Data Transfer model under Network Billing Type.



Network Type

VPC ⓘ

Default VPC ▾ Default VSwitch ▾

Network Billing Type

Data Transfer ⓘ

Network Bandwidth Peak

25M 50M 100M 1 Mbps

If "0M" bandwidth is selected, you cannot access the public network (no public IP). Please select "1M" bandwidth or above if you want public IP. You can purchase an Elastic IP [here](#). You can charge this instance's network usage to an existing Data Transfer plan. You can buy one [here](#).

Note: Under Network Bandwidth if you do not provide network bandwidth details, then no Public IP is assigned to the instance. You may not be able to access the instance over internet. So to access the instance over public network it is important to specify the bandwidth. Once you specify the bandwidth as 1Mbps public IP gets binded with the ECS instance.

10. Select the Operating System version, here you have the option to choose Windows, Linux (centOS, Ubuntu and other flavor of linux).

Choose the Operating System

Public Image Custom Image Shared Image Marketplace Image ⓘ

CentOS 7.3 Linux	Windows Server 2016 Data Center Edition 6...	Ubuntu 16.04 64bit	SUSE Linux Enterprise Server 12 SP1 6...	OpenSUSE 13.1 64bit	FreeBSD 10.1 64bit
Debian 8.8 64bit	CoreOS 681.2.0 64bit	Aliyun Linux 17.1 64bit			

At present, ECS instances in this region do not support interchange between Linux and Windows systems.

☒ Activate the Server Guard (Basic Version) for free. ⓘ

11. Select the Storage type, OS disk storage is installed on this storage. You have the option to select SSD Cloud Disk for faster OS to boot.(this will increase the instance pricing so kindly read the instance pricing section carefully in Production scenario). You can additional disk if required.

Choose Storage

System Disk

Ultra Cloud Disk 40 GB System device : /dev/xvda ⓘ

Ne Ultra Cloud Disk click here>>
SSD Cloud Disk

+ Add a disk. You can add up to another 4 disk(s).

12. Under Security Setting, you can set credentials for the access to the ECS instance for root user.



Set Authentication Method

Attach Key Pair

Set Password

Later

User Name: root

.....

.....

Please remember the password you set. If you forget it, You can reset it at anytime in the ECS console.

Please remember the password you set. If you forget it, You can reset it at anytime in the ECS console.

13. You can set custom user data information and Instance name like "TestServer" for you to identify.

User Data

Set User Data

Later

Now



Purchase Plan

Instance Name

testServer

Number of Instances

- 1 +

7 Unit(s) of ECS can be enabled at most, 3 Unit(s) enabled

14. In the overview pane, summary of the ECS instance is available, Click **Buy Now**.

Overview

Region Asia Pacific SE 1 (Singapore) (Asia Pacific SE 1 Zone B)

Configuration I/O Optimized 1-core, 2 GB (Standard type s1)

Operating System CentOS 7.3 64bit

Data Disk -

Network Bandwidth 1 Mbps (VPC)

Number 1 Unit(s)

Instance Cost Internet traffic fee

\$0.043 USD/hour + \$0.0810 USD/GB

Add To Cart

Buy Now

15. After clicking on Buy Now, confirmation page is displayed. Enable the check box for General terms and Click on **Activate**.



Product name	Instance configuration	Payment method	Subscription type	Number	Discount	Fee
ECS	Region: Asia Pacific SE 1 (Singapore) I/O Optimized: IO optimized instance Instance type: 1-core, 2 GB Network Type: VPC Bandwidth: 1Mbps (Data transfer usage) OS: CentOS 7.3 64bit System Disk: 40GB Ultra Cloud Disk Instance Name: testServer Server Guard: Yes Prompt: If you select 1M bandwidth or above, a public IP will be distributed, which is unable to unbind.	Pay-As-You-Go	-	1 unit(s)	-	\$0.043 USD /Hour Public traffic fee: \$ 0.081 USD/GB

☒ ECS Service Terms
 ☒ General Terms

[Activate](#)

16. On the activation page click on the Console tab, it will take you to the instance details.

Activated

Confirm order Order status

Activated

The instance you purchased is being created. It may take 1 to 5 minutes to complete. Please wait.

[Console](#) [View Order History](#)

17. Under Instance, you will be able to see the running instances details. Click on Running.

Home Products Search Billing Management Support ICP Documentation paj****@gmail.com

Total Instances: 1 Running Instances: 1

My Resources

Singapore

US West 1 (Silicon Valley)

Instances 1 Running 1

Disks 1 Expiring 0

Snapshots 0 Expired 0

Images 0 Recent 1

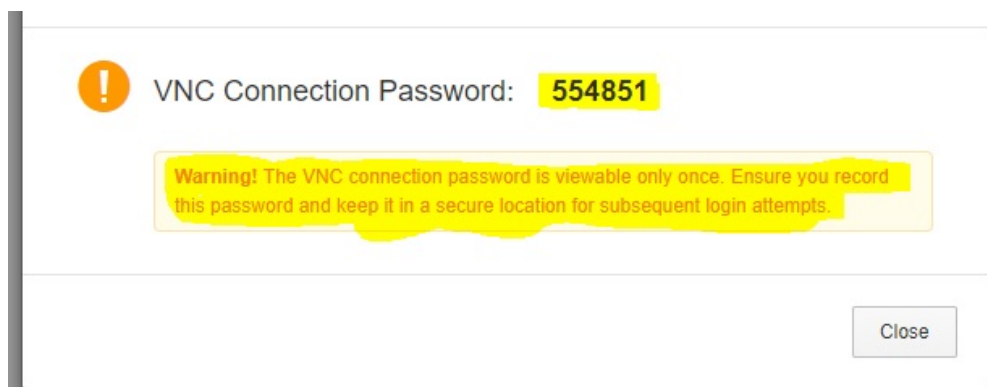
18. Running instance details is available with Public & Private IP. You may be able to connect to the running instance by clicking connect.

Instance Name Enter instance name (fuzzy search) Search Tag

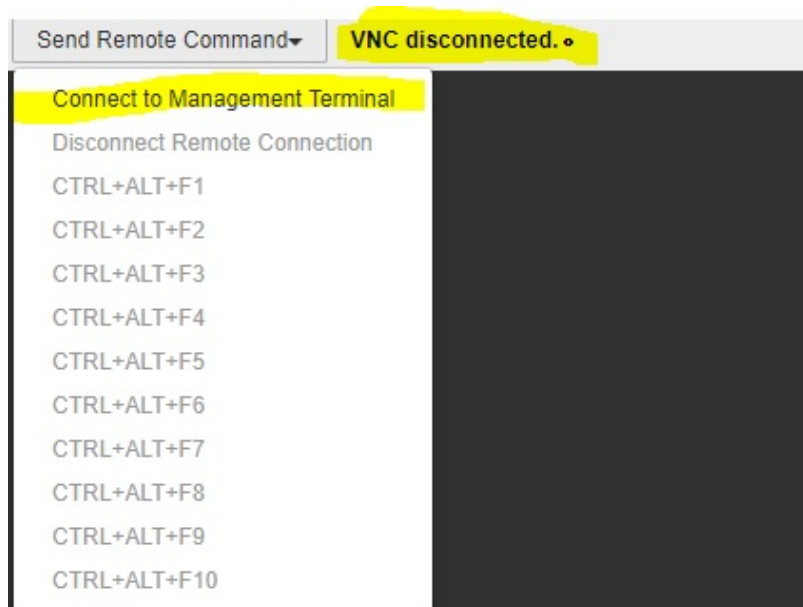
Advanced Search ?

Instance ID/Name	Monitor	Zone	IP Address	Status(Running)	Network Type(All)	Configuration	Billing Method(All)	Action
i-14nd512bmyn18369xrwsh testServer		Singapore Zone B	47.88.172.174(Internet IP Address) 172.21.24.90(Private IP Address)	Running	VPC	CPU: 1 Core(s) Memory: 2 GB (I/O Optimized) 1 Mbps (peak value)	Pay-As-You-Go 17-07-21 01:01 created	Manage Connect

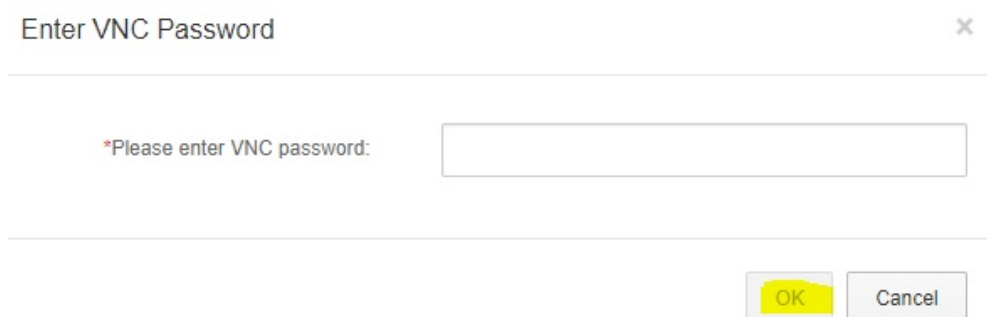
19. Once you click on Connect, it displays the VNC password. Please make a note of the VNC password, else you will not be able to login to the instance later in future.



20. You can connect to the Server Terminal by sending Remote Command.



21. It will ask for VNC password, please type the VNC password & click on OK.



22. After you provide the VNC password, you are connected to Server console. To Login to ECS Linux instance type the root login and credentials for the same.



Sign in

Join now

[illegible]

23. Once you type the credentials for the root login, you are logged into the ECS Linux instance Successfully. It displays a welcome message.

```
Welcome to Alibaba Cloud Elastic Compute Service !

[root@iZt4nd512bmyn18369xrwH2 ~]#
[root@iZt4nd512bmyn18369xrwH2 ~]#
[root@iZt4nd512bmyn18369xrwH2 ~]#
[root@iZt4nd512bmyn18369xrwH2 ~]#
```

By following the above steps you have successfully launched your First ECS Linux instance on Alibaba Cloud.

I hope the article was helpful and Thank You for reading the article.



Ajay Pal

Sr. Solution Specialist at Tata Communications

2 articles

Follow

6 comments

Newest ▾



[Sign in](#) to leave your comment



Bharat Gupta

Sr. Manager-IT Engineering (Product Engineering) at Netmagic Solutions (An NTT Communications...)

Superbly written Ajay ...great going

Like Reply

... 3w



Cloud, Data Protection Pre-Sales at Veeam (Ingram Micro)

Great work [Ajay Pal](#) . Keep sharing bro.

Like Reply

There are 4 other comments. [Show more.](#)

Top stories from Editors' Picks



Employees Have No Rights: The Real Google Lesson

Jeffrey Pfeffer on LinkedIn



Entrepreneurs Need More than Funding. They Need a Community.

Dustin McKissen on LinkedIn



Where Will the \$1.6 Billion Toyota-Mazda Plant Land?

Dean Barber on LinkedIn

Looking for more of the latest headlines on LinkedIn?

[Discover more stories](#)

[Sign up](#) | [Help Center](#) | [About](#) | [Careers](#) | [Advertising](#) | [Talent Solutions](#) | [Sales Solutions](#) | [Small Business](#) | [Mobile](#) | [Language](#) | [SlideShare](#) | [Online Learning](#)

[LinkedIn Influencers](#) | [Search Jobs](#) | [Directories](#) | [Members](#) | [Jobs](#) | [Pulse](#) | [Topics](#) | [Companies](#) | [Groups](#) | [Universities](#) | [Titles](#) | [ProFinder](#)

© 2017 | [User Agreement](#) | [Privacy Policy](#) | [Community Guidelines](#) | [Cookie Policy](#) | [Copyright Policy](#) | [Unsubscribe](#)