

## Devsops Training- Prerequisites

- Administrator access on the laptop/desktop (64 bit Machine)
- Guest Operating Systems – Preferably minimum Windows10 .
- Access to open internet
- Access to RDP and SSH for accessing Remote Machines – Remote Desktop Service must be enabled and port 3389,22 must be open
- Putty and Puttygen tools on participants systems (If participants are using Windows OS). Screenshots have been provided in the 2<sup>nd</sup> page for installation
- Latest Java to be installed on the systems
- ssh client (If participants are using Linux/Mac OS). I can also help the participants if required on the first day of the class.
- Latest Docker toolbox along with Oracle Virtualbox to be installed on Windows OS  
**Link :** [https://docs.docker.com/toolbox/toolbox\\_install\\_windows/](https://docs.docker.com/toolbox/toolbox_install_windows/)
- Latest git bash and git GUI to be installed
- **Eclipse IDE** to be installed and configured on the systems. Please refer the link :  
<http://www.eclipse.org/downloads/packages/release/oxygen/r/eclipse-ide-java-ee-developers>
- **All the labs will be done on personal AWS Cloud Free Account (Debit or Credit Card is required) – Screenshots are provided in 2<sup>nd</sup> and 3<sup>rd</sup> page**
- Ports to be opened – 22, 3389, 80, 443,8080, 8443, 3306, 5985,8140,3000 ,8443,
- OpenInternet must be allowed to play course and technical videos
- Audio speakers if possible

## Appendix:

### Installing Putty:

Logon to [www.putty.org](http://www.putty.org) and click on here button as given below



#### Download PuTTY

PuTTY is an SSH and telnet client, developed originally by Simon Tatham for the Windows platform. PuTTY is open source software that is available with source code and is developed and supported by a group of volunteers.

You can download PuTTY [here](#).

In the next screen , please click on either 32-bit or 64-bit msi installer file , it will ask you to save file. Save and run the file

#### Package files

You probably want one of these. They include all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

##### MSI ('Windows Installer')

32-bit: [putty-0.70-installer.msi](#) [\(or by FTP\)](#) [\(signature\)](#)

64-bit: [putty-64bit-0.70-installer.msi](#) [\(or by FTP\)](#) [\(signature\)](#)

##### Unix source archive

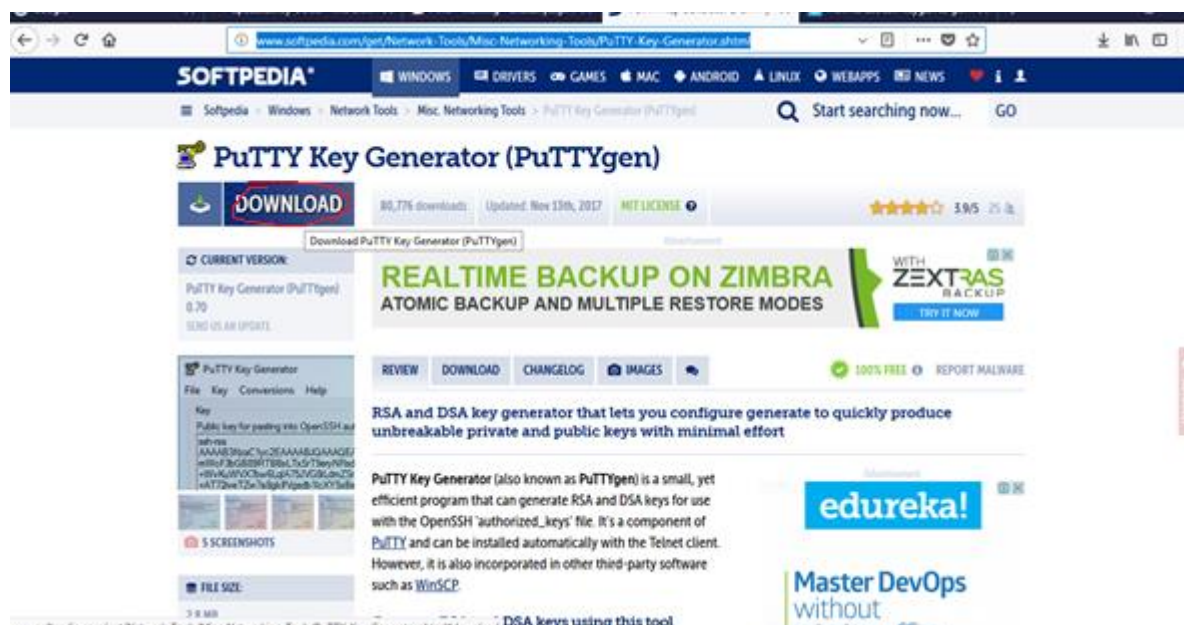
.tar.gz: [putty-0.70.tar.gz](#) [\(or by FTP\)](#) [\(signature\)](#)

## Installing Puttygen:

Logon to the below link

<http://www.softpedia.com/get/Network-Tools/Misc-Networking-Tools/PuTTY-Key-Generator.shtml>

Click on DOWNLOAD button in the below link



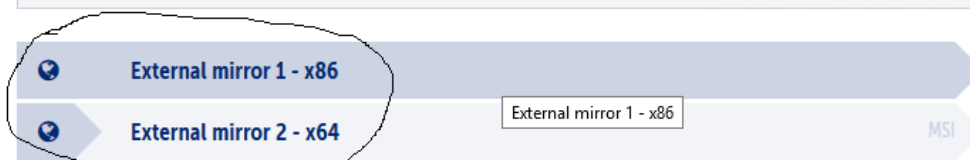
In the next screen which launches , click on either – External mirror 1 or External mirror based on the system architecture , download would start automatically. Save the file and run the file.

[Back to main page](#)

### PuTTY Key Generator (PuTTYgen) - Download locations

Advertisement

- 1 | **New Loggly 3.0** Loggly unifies log monitoring, analysis, and the ability to rewrite code in GitHub log-management.loggly.com
- 2 | **Submit Resume Now** Immediate Requirement. Sign up to Apply & Find Jobs monsterindia.com



2.8 MB file size This download is provided to you FREE of charge.

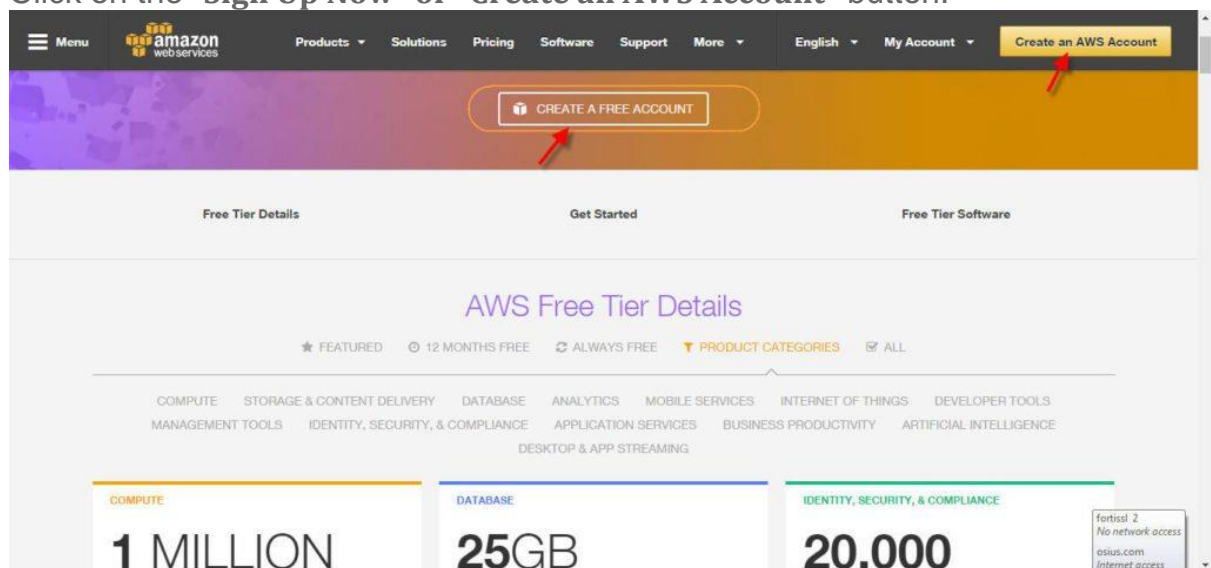
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## Creating AWS Free Root Account and Participant AWS Free Accounts (Ref: <https://devopsmates.com/how-to-create-a-new-aws-free-tier-account/>)

**Step 1: First Open your web browser and navigate to <https://aws.amazon.com/free/>**

1. Click on the “Sign Up Now” or “Create an AWS Account” button.



2. If you already have an Amazon store account you can use the same account to log into Amazon Web services (AWS) and then register for the free tier. If you don't have an Amazon store account you can create a new account here by typing your valid email ID and selecting the “I am a new user” button. Then click the “Sign in using our secure server” button to continue to next

step.

amazon web services

## Sign In or Create an AWS Account

What is your email (phone for mobile accounts)?

E-mail or mobile number:

devopsmates@gmail.com

☒ I am a new user.

☐ I am a returning user and my password is:

Sign in using our secure server

[Forgot your password?](#)

Now Available:  
Amazon EBS Elastic Volumes

Dynamically modify capacity, performance, and volume types

[Learn More](#)

Learn more about [AWS Identity and Access Management](#) and [AWS Multi-Factor Authentication](#), features that provide additional security for your AWS Account. View full [AWS Free Usage Tier](#) offer terms.

3. **Login Credentials:** Provide the details which you want to use for login your AWS account.

amazon web services

## Login Credentials

Use the form below to create login credentials that can be used for AWS as well as Amazon.com.

My name is: DevOpsMates

My e-mail address is: devopsmates@gmail.com

Type it again: devopsmates@gmail.com

note: this is the e-mail address that we will use to contact you about your account

Enter a new password: .....

Type it again: .....

Create account

**About Amazon.com Sign In**

Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our [Terms of Use](#) and [Privacy Policy](#) linked below. Your use of Amazon Web Services products and services is governed by the [AWS Customer Agreement](#) linked below unless you purchase these products and services from an AWS Value Added Reseller.

4.

## Step 2: Contact Information

Select your AWS type, then Fill the correct information to validate your account if you're going to create personal use then click on "personal Account" else use "company Account".

**Contact Information**

☐ Company Account ☒ Personal Account

\* Required Fields

Full Name\*

Country\*

\* If you select India, your country selection cannot be changed after creating the account.

Address\*

City\*

State / Province or Region\*

Postal Code\*

Phone Number\*

Security Check

Please type the characters as shown above  
477p2a

**Amazon Internet Services Pvt. Ltd. Customer Agreement**  
Customers with an India contact address are now required to contract with Amazon Internet Service Private Ltd. (AISPL). AISPL is the local seller for AWS Infrastructure services in India.

☒ Check here to indicate that you have read and agree to the terms of the AISPL Customer Agreement

**Create Account and Continue**

Make sure provide proper contact details and mobile no. to get the call from AWS for verification. After completed the form enters the captcha code and click on “create the account and continue”.

### Step 3: Payment and PAN information:

In this step, you must fill in your credit card info and billing address. If you have PAN then fill those details here.

**amazon** AWS  
Amazon Web Services Sign Up

Contact Information | **Payment & PAN Information** | Identity Verification | Select Plan | Confirmation

**Payment Information**

Please enter your payment information below. You can be asked to do a small set of AWS products for free via the Free Tier. We will only bill your credit card for usage that is not covered by our Free Tier.

**Cardholder's Name**

**CreditCard Number**

**Expiration Date**   **CVV**

**Please Note:**  
As part of our card verification process, we will charge \$12 on your card when you create the account. This charge will be refunded once your card has been validated. Your card will be charged only once the refund is processed. We will not be able to refund this charge to your bank.

**PAN Information**

Do you have a PAN? ☒ Yes ☐ No

You can go to the "My Settings" page on Billing and Cost Management console to update your PAN information.

**Verify Card and Continue**

**Step4:** In this step, it will take you to the payment gateway to validate your payment information and for your credit card verification Amazon will charge the minimal price based on Country. Here I have provided India, so Amazon charged 2 INR.

VERIFIED by VISA 16 Feb 2017 15:23:29 citi

Card Number  
XXXX XXXX XXXX

Merchant  
AMAZON INTERNET SERVICES

Amount  
INR 2.00

PLEASE AUTHENTICATE THE TRANSACTION USING:

IPIN (Internet Pin) OTP (One Time Password)

Enter IPIN

Enter IPIN using virtual keyboard

NEXT CANCEL

citibank Citigroup Privacy Promise Terms, Conditions, Caveats and email print Copyright © 2015, Citigroup Symantec

Waiting for www.citibank.co.in...

### Step 5: Identity verification

Here you will be taken to an identity verification page that will already have your phone number, so you just have to click the “**Call me now**” button to continue the process.

Identity Verification

You will be called immediately by an automated system and prompted to enter the PIN number provided.

1. Provide a telephone number

Please enter your information below and click the “Call Me Now” button.

Security Check @

nb6d35

Refresh Image

Please type the characters as shown above

nb6d35

Country Code India (+91) Phone Number Ext

Call Me Now

### Step 6: Personal Identification number

After receiving a call from AWS, the next page will show your **PIN #** while a call is made to the phone number you have provided. When it ask you to type your **PIN #** the webpage is providing you for identity verification purposes.

The screenshot shows a progress bar at the top with five steps: Contact Information, Payment & PAN Information, Identity Verification, Support Plan, and Confirmation. The first three steps are marked with orange checkmarks, indicating they are complete. The 'Identity Verification' step is currently active, highlighted with a light blue background. Below the progress bar, the 'Identity Verification' section contains the following text: 'You will be called immediately by an automated system and prompted to enter the PIN number provided.' Below this, there are three numbered steps: 1. 'Provide a telephone number' with a checkmark, 2. 'Call in progress' with instructions to follow prompts on a telephone and enter a PIN, and 3. 'Identity verification complete'. A yellow box displays 'PIN: 2728'. A note below the box states: 'If you have not yet received a call at the number indicated above please wait. This page will automatically update with what you need to do next.'

### Step 7: Identity Verification complete

Once your verification is complete just click the “Continue” button

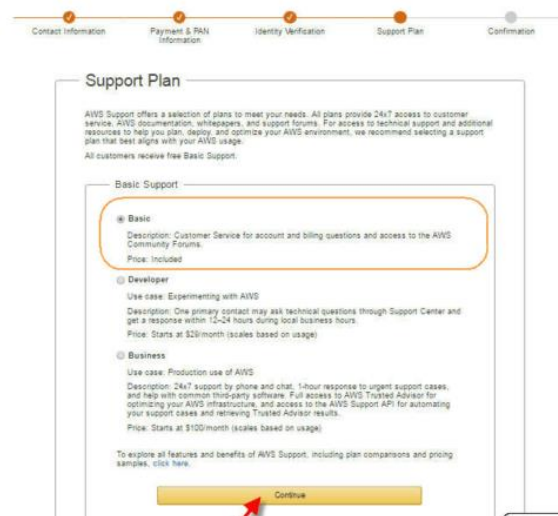
This screenshot shows the same 'Identity Verification' step as the previous one, but now step 2 'Call in progress' is also marked with a checkmark. Step 3 'Identity verification complete' is the active step, with the text 'Your identity has been verified successfully.' Below this, a yellow button labeled 'Continue to select your Support Plan' is visible. A red arrow points to this button.

### Step 8: Support plan

AWS support offers a selection of plans to meet your business needs. Select your suitable plan then click continue.



**Note:** All customers receive free basic support.



### Step 9: Registration Confirmation page.


Once you completed all the above steps and process. You'll get the confirmation page like below. Now your account will be processed for activation. It may take somewhere between 30 minutes to 1 hour for you to receive an email


confirmation that your Amazon Cloud Services account has been activated.



### Step 10: Check out Free Tutorials/Guides – 10 Minute Tutorials

This step will give you 10 minutes tutorials to get hands-on with AWS.

 Menu



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Sign In to the Console



**10-Minute Tutorial**  
Launch a Linux  
Virtual Machine  
using Amazon EC2



**10-Minute Tutorial**  
Launch a Windows  
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with Amazon EC2



**10-Minute Tutorial**  
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**10-Minute Tutorial**  
Deploy Docker  
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Service