Setting up AWS account

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What is AWS

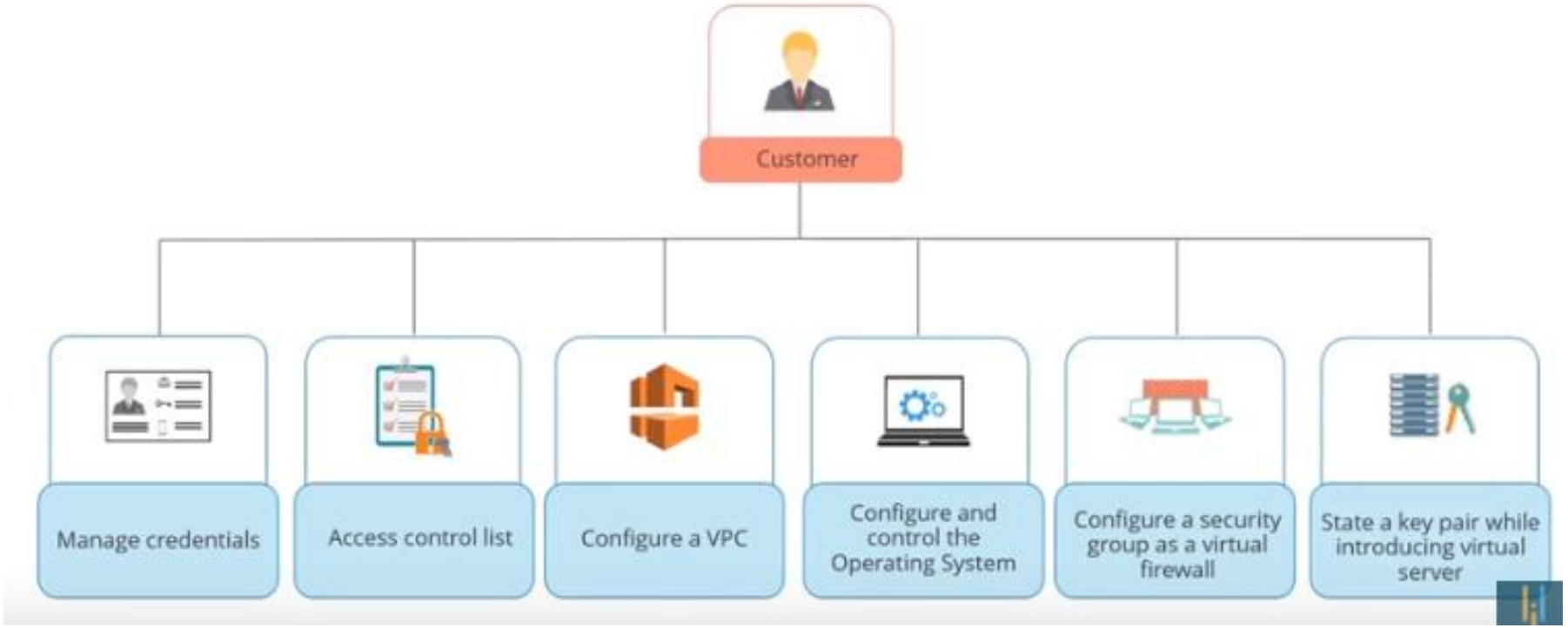
- It is global cloud platform which allows to host applications and services on the internet.
- Used by around 80% of fortune 500 companies to host the infrastructure
- They provide the IaaS, PaaS (java,php,ruby), SaaS (email)
- Hosting provider

Why it is such a hit?

- The billing - Per hour billing, Micro billing
- Easy signup process
- Simple billing dashboard
- Services are stable
- Trusted vendor

Why AWS?


Development Platforms
Computing
Pay-As-You-Go
Networking
Programming Models
Database Storage


Customer
Manage credentials
Access control list
Configure a VPC
Configure and control the Operating System
Configure a security group as a virtual firewall
State a key pair while introducing virtual server

Service overview

- EC2 – bare service, a machine can be launched
- VPC- virtual private cloud
- S3- simple storage service – upload and share files
- RDS- run and manage databases on the cloud – Mysql, Oracle, Postgresql
- Route 53 – DNS service
- Auto scaling – capacity to scale on the fly
- ELB- Elastic load balancing – scale up in multiple traffic

How much it costs

- Per hour billing for almost everything
- Region specific pricing –Virginia-cheapest
- Term specific pricing – year pricing is cheap (has discounts)
- Spot resources

How big is it?

- 18 regions
- Global footprint – 1 million active customers in 190 countries, and steadily increasing
- Massive data centres (3000 – 5000)
- Multiple availability zones per region

AWS Free-Tier

Advantages

- 64 services currently
- Launching new services in all domains
- Focus on machine learning
- Focus on SAAS products
- Reduction in costs

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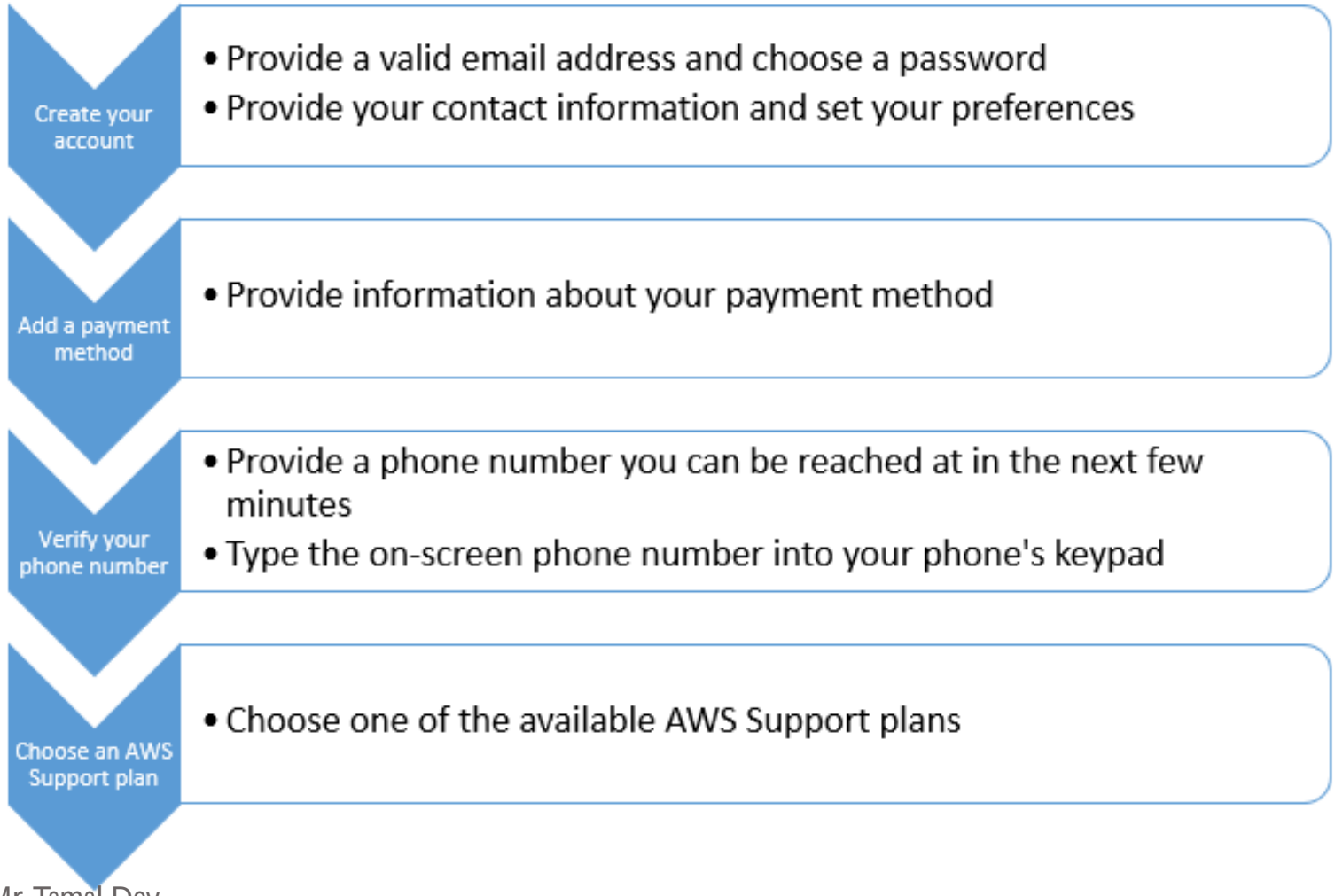

1. Go to the Amazon Web Services home page.
2. Choose Sign Up.
   Note: If you've signed in to AWS recently, it might say Sign In to the Console.
3. Type the requested account information, and then choose Continue.
   Note: If Create a new AWS account isn't visible, first choose Sign in to a different account, and then choose Create a new AWS account. When creating a new account, be sure that you enter your account information correctly, especially your email address. If you enter your email address incorrectly, you might not be able to access your account or change your password in the future.
4. Choose Personal or Professional.
   Note: These two account types are identical in functionality.
5. Type the requested company or personal information.
6. Read the AWS Customer Agreement, and then check the box.
7. Choose Create Account and Continue.
8. Note: After you receive an email to confirm that your account is created, you can sign in to your new account using the email address and password you supplied. However, you must continue with the activation process before you can use AWS services.