AWS 101 + IAM Tutorials

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# 1: Setup Personal AWS

**Required Knowledge:**Read cloud essential guide by AWS  
<https://aws.amazon.com/getting-started/cloud-essentials/>   
Look up what is available for full-free  
[https://aws.amazon.com/free/?pg=cloudessentials&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=tier%23always-free&awsf.Free%20Tier%20Categories=\*all#Free\_Tier\_details](https://aws.amazon.com/free/?pg=cloudessentials&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=tier%23always-free&awsf.Free%20Tier%20Categories=*all#Free_Tier_details)

**Activities:**  
  
1) sign up for a personal AWS account  
<https://aws.amazon.com/getting-started/guides/setup-environment/module-one/>

*ALT: if this guide is not easy, alternative guide to creating an aws account*  
main page: <https://aws.amazon.com/free/>

# 2: Create first IAM user

**Required Knowledge:**   
Watch the introduction to AWS Management Console (requires signup , 15 mins)  
<https://aws.amazon.com/getting-started/hands-on/getting-started-with-aws-management-console/?pg=gs&sec=gtkaws>

Watch the introduction to AWS IAM (requires signup)  
<https://explore.skillbuilder.aws/learn/course/external/view/elearning/120/introduction-to-aws-identity-and-access-management-iam>   
  
  
Read up on IAM on AWS  
<https://docs.aws.amazon.com/IAM/latest/UserGuide/intro-structure.html>

**Activities:**  
  
1) Follow AWS guide to create your first IAM user  
<https://aws.amazon.com/getting-started/guides/setup-environment/module-two/>

ps this is a Admin user, know that normally corporate provisioned users have far less access

*ALT: if this guide is not easy, alternative guide to creating a admin user*  
<https://docs.aws.amazon.com/IAM/latest/UserGuide/getting-started_create-admin-group.html>

# 3: Setup AWS CLI

**Required Knowledge:**Watch the AWS CLI 101 (setup your vscode)  
<https://www.youtube.com/watch?v=q-23BunTJCY>   
  
Read up on the AWS CLI  
<https://aws.amazon.com/cli/>   
  
**Activities:**  
1) Install the AWS CLI using the setup guide  
<https://aws.amazon.com/getting-started/guides/setup-environment/module-three/>

*note you should use the IAM user you created previously****NOT THE ROOT ACCOUNT!*** *ALT: if this guide is not easy, alternative guide to setting up your cli*<https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html>

2) Read up and install the VSCode plugin for VSCode  
<https://aws.amazon.com/visualstudiocode/>

# 4: My first Static Website with Amplify

**Required Knowledge:***none*   
  
**Activities:**  
1) Follow amplify, my first website guide

<https://aws.amazon.com/getting-started/hands-on/host-static-website/>

*Advice: use github instead of AWS CodeCommit for version control (it’s much better, believe me)*

2) Remember to delete the resources after testing it’s working!

# 5: My first API with Lambda

**Required Knowledge:***none*   
  
**Activities:**  
1) Follow lambda, my first api guide

<https://aws.amazon.com/getting-started/hands-on/run-serverless-code/>

*Advice: use github instead of AWS CodeCommit for version control (it’s much better, believe me)*

2) Remember to delete the resources after testing it’s working!

# 6: My first Database with RDS

**Required Knowledge:***none*   
  
**Activities:**  
1) Follow RDS, my first database guide

<https://aws.amazon.com/getting-started/hands-on/create-connect-postgresql-db/>

*Advice: use github instead of AWS CodeCommit for version control (it’s much better, believe me)*

2) Remember to delete the resources after testing it’s working!

# 7: My first VM with EC2

**Required Knowledge:***none*  
  
**Activities:**  
1) Follow EC2, my first Elastic-VM guide

<https://aws.amazon.com/getting-started/hands-on/remotely-run-commands-ec2-instance-systems-manager/?trk=gs_card>

*Advice: use github instead of AWS CodeCommit for version control (it’s much better, believe me)*

2) Remember to delete the resources after testing it’s working!

# 8: My first VM with lightsail

**Required Knowledge:***none*  
  
**Activities:**  
1) Follow lightsail, my first Windows-VM guide

<https://aws.amazon.com/getting-started/hands-on/launch-windows-vm/>

*Advice: use github instead of AWS CodeCommit for version control (it’s much better, believe me)*

2) Remember to delete the resources after testing it’s working!

**CONGRATS THAT’S YOU FINISHED ALL THE 101 TUTORIALS, ONTO PROPER OFF-ROAD AWS COMPUTE**