

# Azure Portal Overview

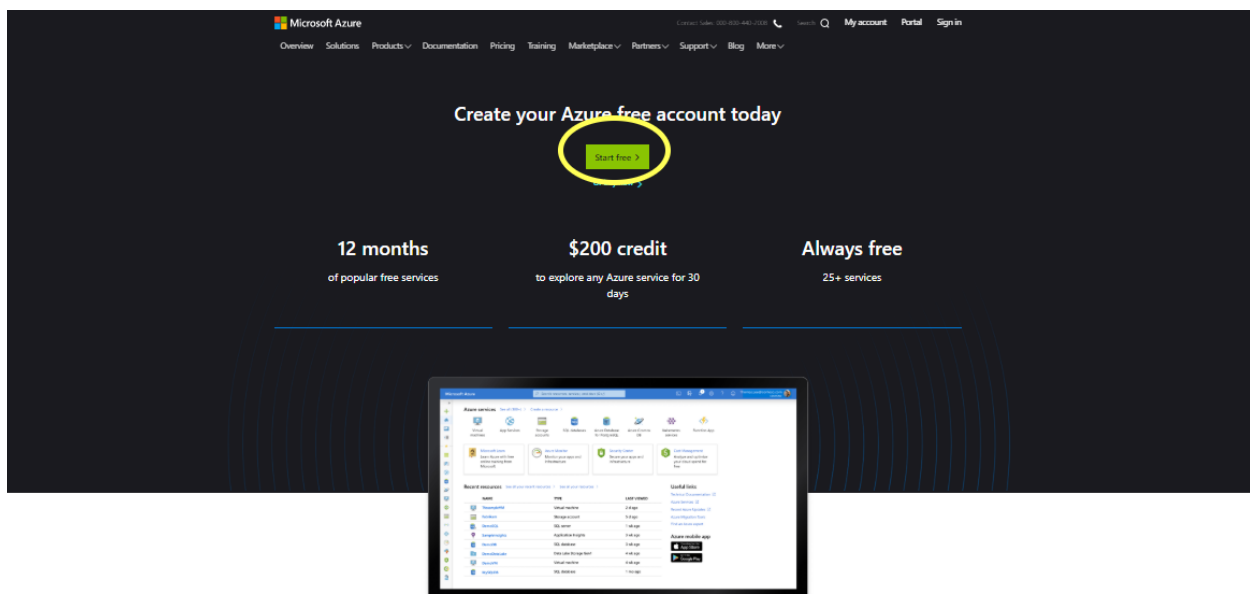
Azure portal is a platform where we can access and manage all our applications at one place. We can build, manage, and monitor everything from simple web-apps to complex cloud applications using a single console.

So, first of all, to log into the Azure portal, we need to register. And, if we are registering for the first time, we will get 12 months of popular free services. And also, depending on the country, we will get some amount of free credit that needs to be consumed within 30 days. And in addition to all these things, we will get some services that are free forever.

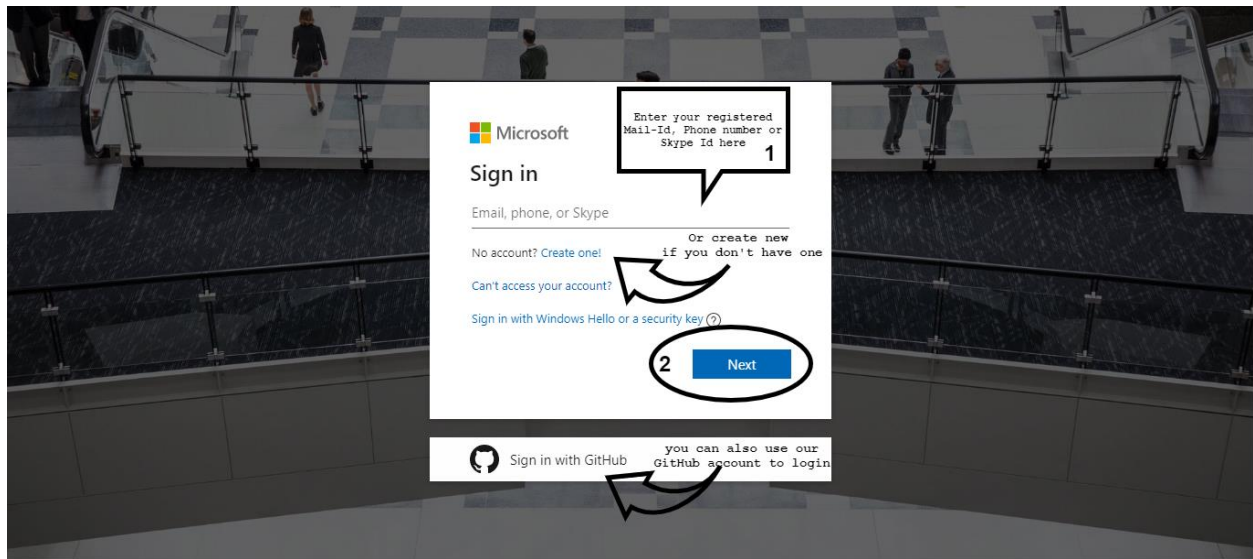
So, make sure you are completely ready to try all the services before you register for Azure because that credit is only available for 30 days.

## Creating an Azure Account

**Step 1:** Open <https://azure.microsoft.com/en-us/free/> then click on *Start free*; it will redirect you to the next step.



**Step 2:** It will ask you to login with your Microsoft account. If you already have a Microsoft account, you can fill the details and login. And if you don't have one, you must signup first to proceed further.



**Step 3:** After logging in to your Microsoft Account. You will be redirected to the next page, as shown below. Here you need to fill the required fields, and they will ask for your credit card number to verify your identity and to keep out spam and bots. **You won't be charged unless you upgrade to paid services.**

Microsoft Azure

ankitshah102@gmail.comSign out

Try Azure for free

Follow these steps to get started. We ask for these details to protect your account and information. There are no upfront charges or fees.

1 About you

Country/Region ⓘ

India

First name

Ankit

Last name

Shahi

Email address ⓘ

Phone

Example: 81234 56789

Organization

PAN ID ⓘ

Optional

Next

Enter all the required details

You will be redirected to following steps

2 Identity verification by phone

3 Identity verification by card

4 Agreement

What's included

✓ 12 months of free products

Get free access to popular products like *virtual machines*, *storage*, and *databases* in your first 30 days, and for 12 months after you upgrade your account to pay-as-you-go pricing.

✓ ₹13,300 credit

Use your ₹13,300 credit to experiment with any Azure service in your first 30 days—beyond the free product amounts.

✓ 25+ always-free products

Take advantage of more than 25 products, including *serverless*, *containers*, and *artificial intelligence*, that are always free. Get these in your first 30 days, and always—once you choose to upgrade.

✓ No automatic charges

You won't be charged unless you choose to upgrade. Before the end of your first 30 days, you'll be notified and have the chance to upgrade and start paying only for the resources you use beyond the free amounts.

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**Step 4:** After filling all the details, it will ask you to check the privacy and agreement. Click the checkbox and then click on Sign up.

## 2 Agreement

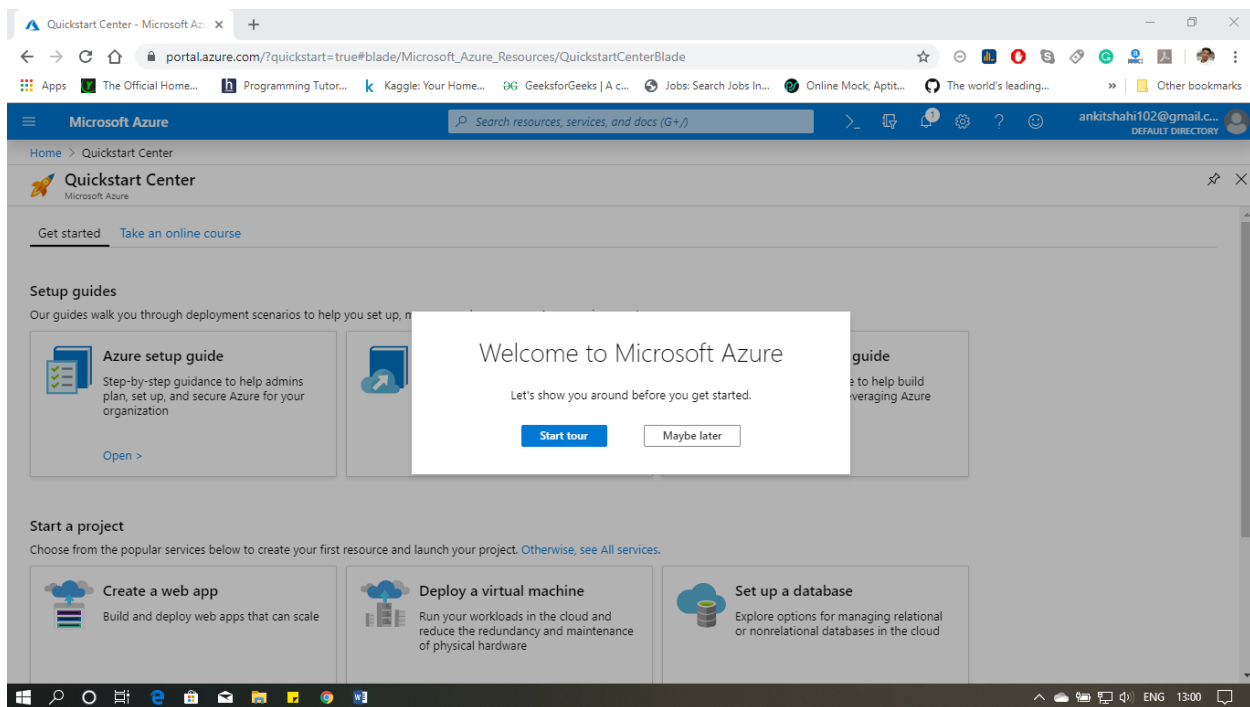
Click on these check boxes

- ☒ I agree to the [subscription agreement](#), [offer details](#), and [privacy statement](#).
- ☒ I would like information, tips, and offers from Microsoft or selected partners about Azure, including Azure Newsletter, Pricing updates, and other Microsoft products and services.

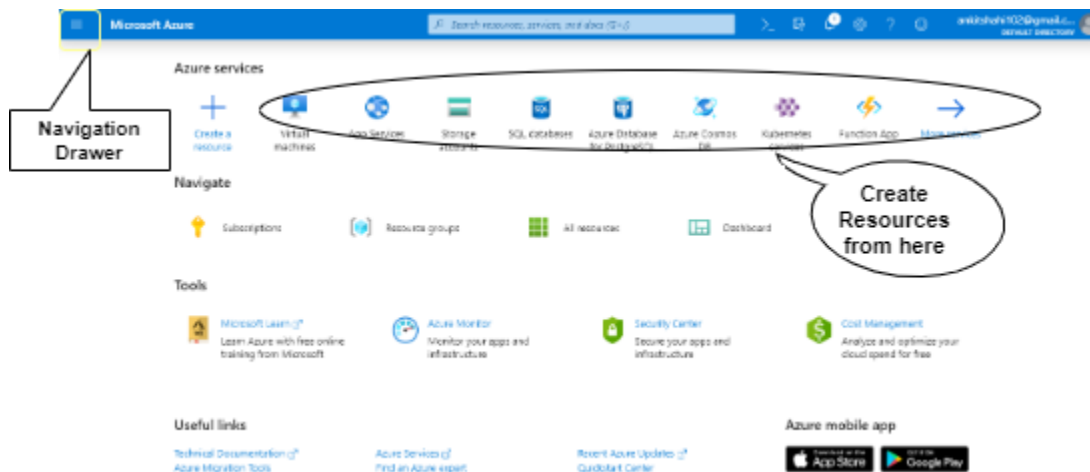
Finally click on Sign up to create your Azure account

Sign up

**Step 5:** Your free Account is created, and you will be redirected to the Azure homepage, as shown in the figure below. You can take a tour of Azure services.

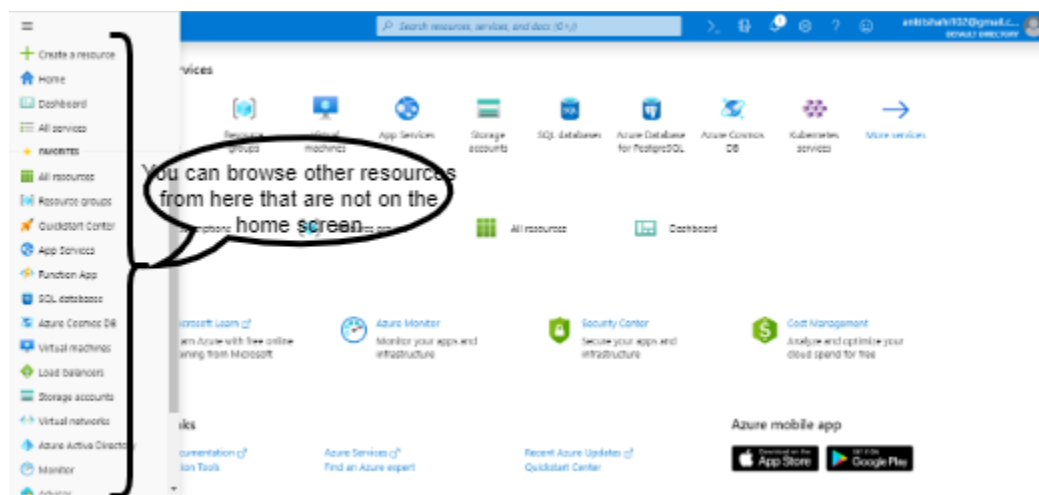


When you log-in to Azure for the first time. The Azure portal looks similar to the picture given below. We will see popular tools and services on the homepage.

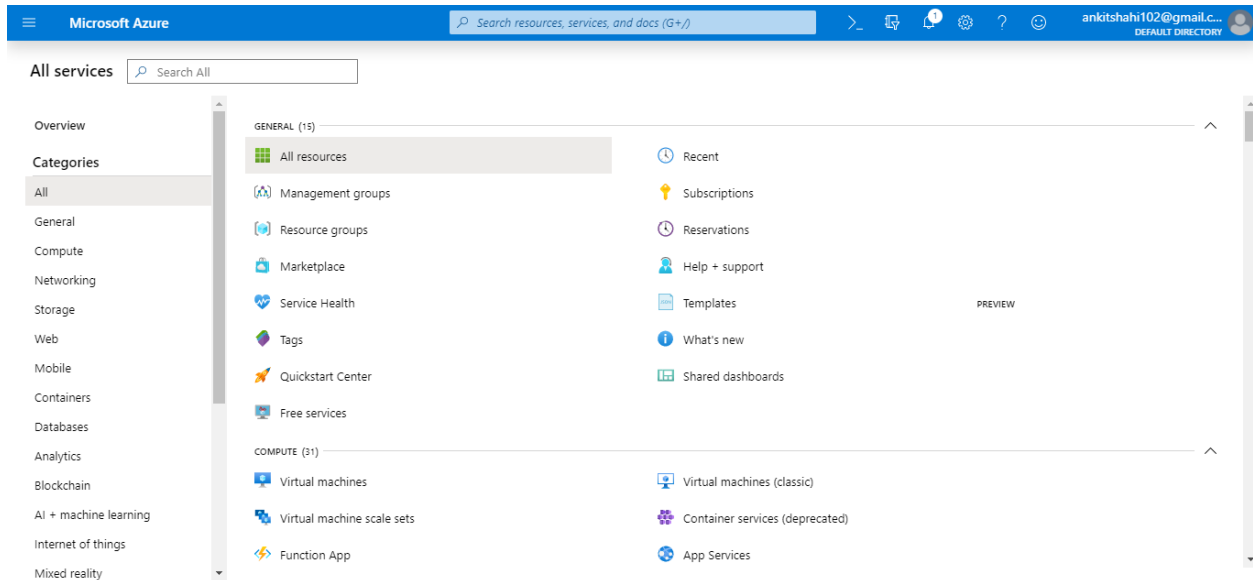


## Creating a Resource

To create a resource, you can select any resource form the homepage.



In case if you can't find the right resource in the navigation drawer, you may click on "All Service" in the navigation drawer, and the following window will appear with all the services available in Azure.



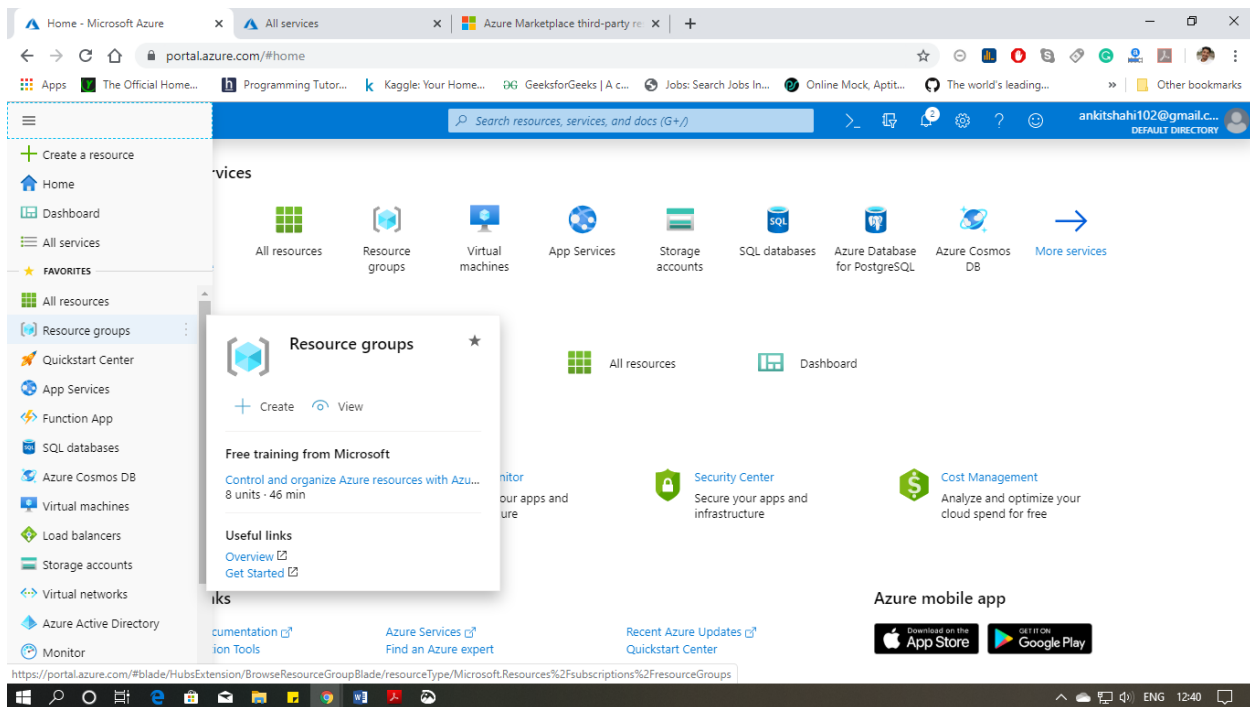
There is one more way to create a resource. Click on "Create a resource" and then type the desired resource name in the search box.

This portal not only includes the services provided by Azure but also includes service provided by the third-party providers on the platform of Azure. They were using CPU or virtual machines of Azure and deployed their platform on it and offering that platform as a Service to you on a pay as you go basis.

**Resource Group:** A container that holds the related resources for an Azure solution. It can include all the resources for the solution or include only those resources which you want to manage as a group. Resource groups are containers of resources that have a common lifecycle or share an attribute such as "all SQL servers" or "Application Attendance".

## Creating a Resource Group

**Step 1:** Hover your cursor over the "Resource groups" button inside the navigation drawer, then click on "Create" in the appeared pop up.



**Step 2:** In the next window, you have to fill the "*Subscription*" type, Resource group name, and Region. Then click review + create or next (to add tags).

**Microsoft Azure** Search resources, services, and docs (G+//)

Home > Create a resource group

### Create a resource group

**Basics** Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

**Project details**

Subscription \*

Resource group \*

**Resource details**

Region \*

**Review + create** < Previous Next : Tags >

**Step 3:** You are now on the *Tags* window, where you can create a tag to organize Azure resources by categories logically. We have to give it a *name* and *value*. Click Next

Microsoft Azure

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>\_🔍🔔⚙️?😊

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DEFAULT DIRECTORY

Home > Create a resource group

Create a resource group

BasicsTagsReview + create

Apply tags to your Azure resources to logically organize them by categories. A tag consists of a key (name) and a value. Tag names are case-insensitive and tag values are case-sensitive. [Learn more](#)

Name	Value	Resource
DemoRG	Tutorial	Resource group
		Resource group

Review + create

< Previous

Next: Review + create >

**Step 4:** You are now on the Review + Create window, Check the details shown below, if they are correct, then click on create.

Microsoft Azure

Search resources, services, and docs (G+/I)

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Home > Create a resource group

Create a resource group

✓ Validation passed.

BasicsTagsReview + create

Basics

Subscription	Free Trial
Resource group	AzureLearning
Region	(Asia Pacific) Central India

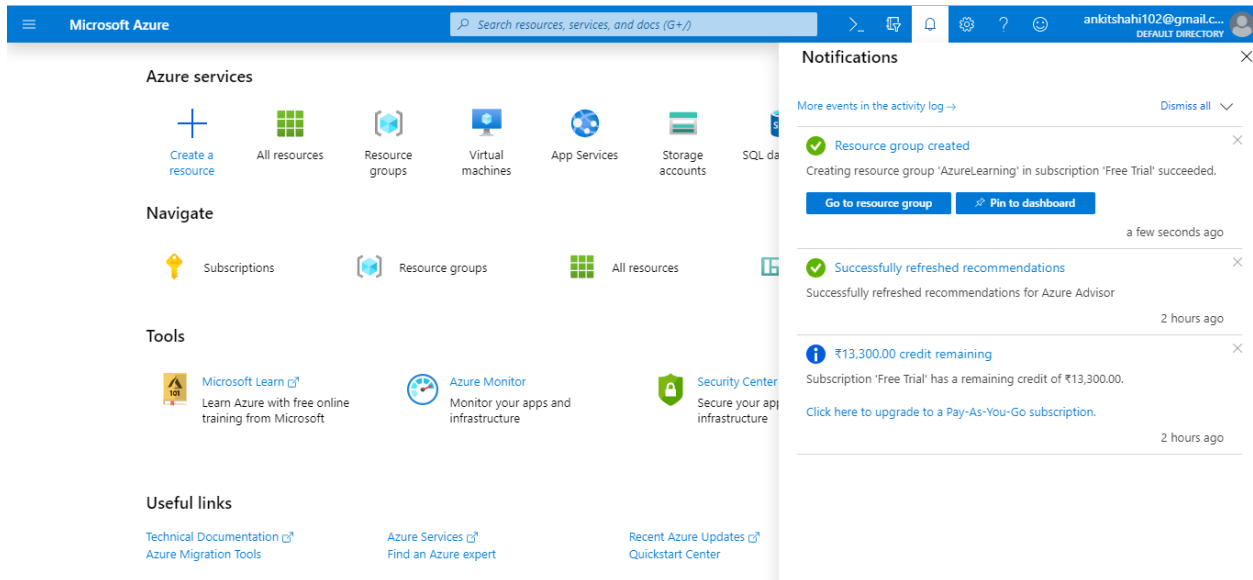
Create

< Previous

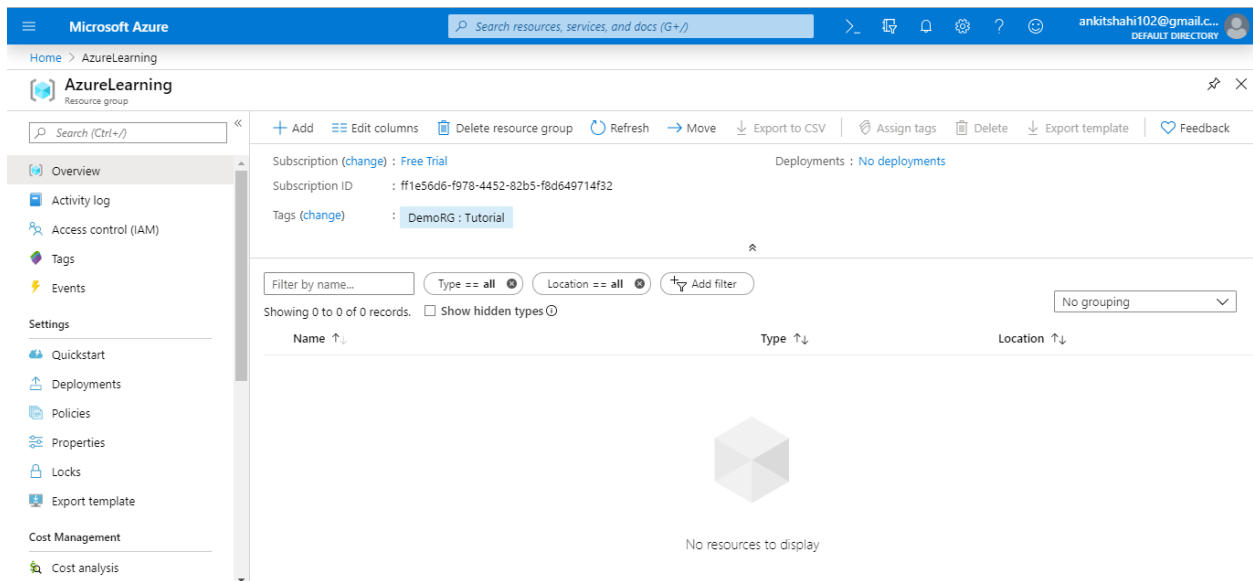
Next >

**Step 5:** You will be redirected to the homepage, and a notification will appear showing the Resource group is created.





**Step 6:** Click on *Go to Resource group* to view the resource group window.

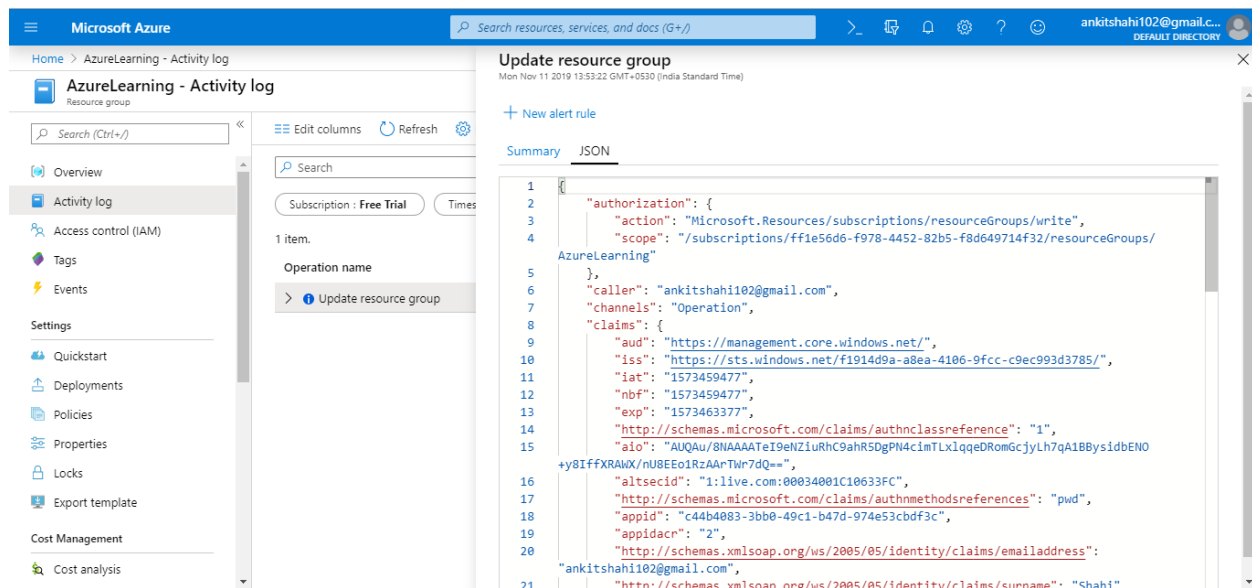


Let's have a quick look at the menu item of this page, but remember it may be different for different resources. For example, the configuration setting will be different for VMs as compared to databases.

1) **Overview:** On the overview pan, we can see all the resources that belong to that resource group and also some Metadata of the resource groups such as to which

subscription it belongs to, any tags associated with it, what deployments had been carried out, etc.

2) **Activity log:** It provides administrative activity data that has been carried out on that particular resource. So, in this case, we create a resource group. Hence we have one update resource succeeded. So when we click on it, we can see the Metadata associated with it, and when we click on JSON, we can see what operations have been carried-out (See figure below).



3) **Access control (IAM):** If we want to delegate access to any resource to somebody else, then we can assign a contributor role or owner role to any resource group to somebody.

4) **Tags:** We can assign Tags to any resource in Azure to classify them into categories.

5) **Events:** Any events that are happening in any particular resource group, we can subscribe to those events and do something with it. For example, a virtual machine has been started or stopped. In that case, we can capture the event and send an email to somebody.

6) **Deployment:** We can see any implementations that happened here.

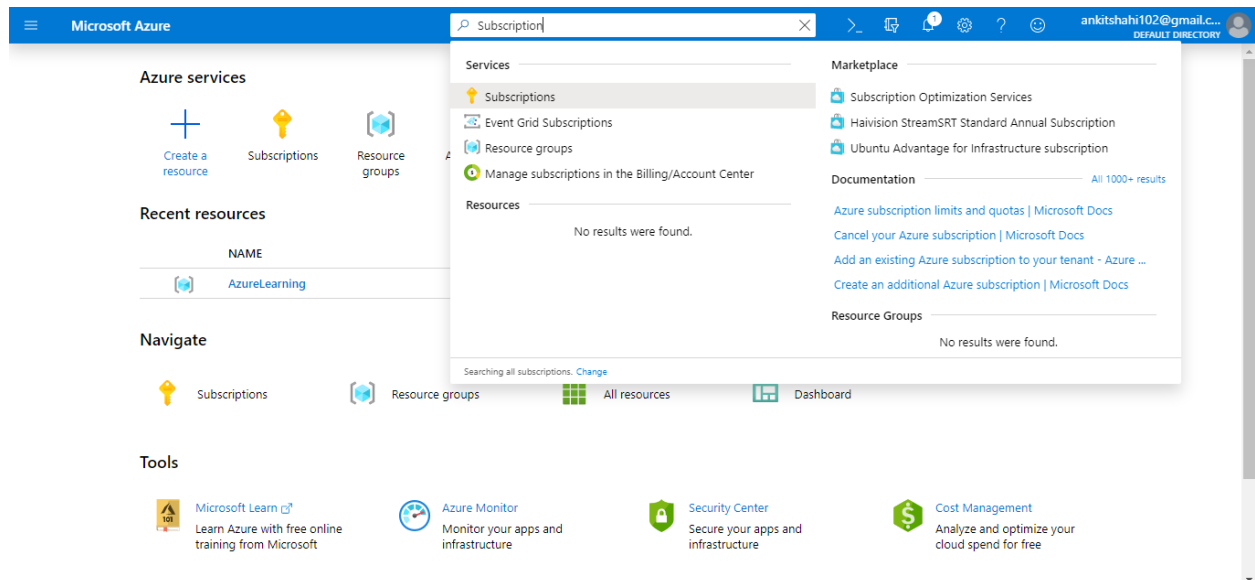
7) **Policies:** We can create and view policies here.

8) **Cost Management:** We can view the resource cost here.

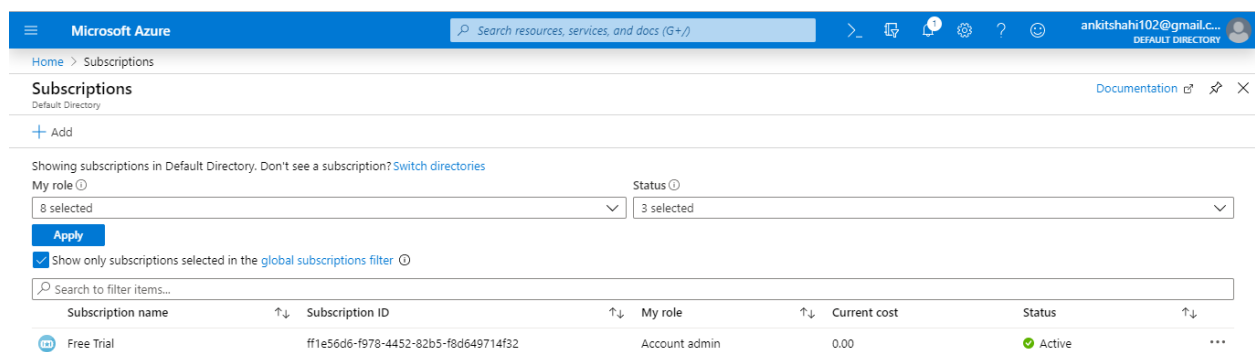
9) **Monitoring:** We can set alerts, see the metrics associated with this resource group, diagnostic settings, and so on.

## Subscription

To view subscription. Go on the search box and type subscription and click on "Subscription," as shown in the figure below. You can see the subscribed services here.



We are subscribed to the Free Trial here. See the figure below.



When you click on the subscription, you can view all the details, which includes the subscription name, Cost, ID, to which directory it belongs to, and billing period.

The screenshot shows the 'Free Trial' subscription details in the Microsoft Azure portal. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Diagnose and solve problems, Security, Events, Cost Management, Billing, and Partner information. The main content area displays subscription information: Subscription ID (ff1e56d6-f978-4452-82b5-f8d649714f32), Subscription name (Free Trial), Directory (Default Directory), My role (Account admin), Offer (Free Trial), Offer ID (MS-AZR-0044P), Current billing period (11/9/2019-12/8/2019), Currency (INR), and Status (Active). A warning banner indicates that the free credit expires in 28 days. Below this, a section titled 'Costs' shows a 'Costs by resource' chart with the message 'No active resource emitted usage yet. Click to view all active resources.'

There is an integrated management portal, which we need to see

The screenshot shows the 'Free Trial' subscription management portal. The left sidebar is the same as the previous screenshot. The main content area displays the 'Starting credit' (13.3 K INR), 'Credit remaining' (13.3 K INR), and 'Forecast' (0 INR). Below this, a table titled 'Free services for 12 months' lists various services and their usage/limits. The table has columns for Meter, Usage/Limit, and Status.

Meter	Usage/Limit	Status
Data Stored	0% 0 / 5 1 GB/Month	Not in use
100 RU/s	0% 0 / 2,976 1/Hour	Not in use
LRS Data Stored - Files	0% 0 / 5 1 GB/Month	Not in use
P6 Disks - Premium SSD Managed Disks	0% 0 / 2 1/Month	Not in use
LRS Snapshots - Standard HDD Managed Disks	0% 0 / 1 1 GB/Month	Not in use
Disk Operations - Standard HDD Managed Disks	0% 0 / 200 10K	Not in use
Hot LRS Data Stored - Tiered Block Blob	0% 0 / 5 1 GB/Month	Not in use


It is a portal where we can see all the subscriptions we have.


Microsoft Azure


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Portal 

 You will be redirected to the Azure portal for some features because they are deprecated in this portal. Click here to learn more about these features in the Azure portal.


 add subscription

 explore support options

Click a subscription to view details and usage.

 Free Trial

Active

 Your Free Trial expires in 27 day(s). Click here to automatically convert to Pay-As-You-Go and avoid service disruption.

So we can see here, we have one free subscription. If we click on Free Trial, we can see all the costs we have incurred, and we can see the billing history, and also we can set alerts. For example, if the cost is crossing a certain limit, then we will get alerted.

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subscriptions | marketplace | profile | preview features

Portal

## Summary for Free Trial

OVERVIEW | BILLING HISTORY

Your Free Trial expires in 27 day(s). Click here to automatically convert to Pay-As-You-Go and avoid service disruption.

You will be redirected to the Azure portal for some features because they are deprecated in this portal. Click here to learn more about these features in the Azure portal.

₹ 13,300.00

₹ 0.00

₹ 13,300.00

Based on your usage history (₹ 0.00/day), you might have sufficient credit for the remaining billing period.

Your monthly credit expires on 08-12-2019.

Pricing calculator

You have not used any services recently with this subscription.

SUBSCRIPTION STATUS

27

days left

₹ 13,300

credits remaining\*

Upgrade now

And on the right-hand side tile below, we have options to manage the payment methods, download the details of the uses, contact Microsoft support and change the subscription details, edit subscription details, change address, change partner, etc.

- Manage payment methods
- Download usage details
- Contact Microsoft Support
- Edit subscription details
- Change subscription address
- Partner information
- Cancel subscription

