

Azure Section 4: Basic concepts

Resource Groups:

A logical container of the resources. This is used for grouping the resource with the logical boundary. This is free.

There is a hierarchy of Resources in azure. And first in this hierarchy is management group, Subscriptions, Resource group and then at last comes the resources.

Management group is a place to handle subscriptions. If the organization has multiple subscriptions then it is managed at the management group level.

So we can see that the resource group is under the subscription. Subscription holds the account and billing. And hence under that the resource group is coming in.

Resource group has a naming convention that is it should contain “rg” or “RG” in the resource group name either at the end or at the start of the name.

Every resource is supposed to be placed under a resource group.

They allow us to organize our resources logically.

Cost:

Everything in the cloud cost money. With some resources in exception.

There are few pricing models under which we can pay money. Such as per resource, per consumption, Reservation.

Per Resource cost means we will pay for whatever resource we have created.

Per consumption cost means we will not pay for the creation but we will be paying for using them.

per Reservation means we will commit to the azure regarding the usage and will pay upfront amount for the resource we will reserve.

Setting Budget:

We have a budget of \$200 as a free tier account. So we need to keep it in check and make sure that we are not hitting the budget rapidly.

To do that search cost management and billing option. This is a central hub to manage anything which is cost related in azure.

To set a budget click on **cost management** which is under the left side menu on **cost management and billing page**.

Then this will take us to a separate page of cost management. There on left side we can see a option in the menu which is **budget**.

Budget is something which we will set so that when we will reach close to our spending target then we will get a notification.

Click on ADD. And define the budget which we will monitor.

Give the name to the budget.

Set the period depending on monthly, daily or annual.

Set a creation date and expiration date of the budget.

As we have free tier account we have \$200 for our annual use so we will be choosing annual option under period of budget.

Now click on next and it will take us to the page of setting an alert. here we can tell the system when we need to get notification regarding our expenses. This page is called as **set alert page**.

There it asks us to set the percentage of the expenses when it will notify us. Then give your email id on which you want to be notified and also select the language. And then create the budget.