



Azure section 15 - Azure Functions

- These are the small action focused functions. They are best for event driven tasks.
- These tasks run on the result of some event. This is automatically managed by Azure.
- They are automatically started and stopped by Azure.
- When there is inactivity with the Azure functions then Azure stops the functions automatically.
- Then we need a lot of time to start it back. This time which we need to start it back is called as the cold start.
- When we request the start of the function at that time Azure allots the random server. Then this server is made ready depending on the functional responsibilities. Then all the files are read in the third stage. And in fourth stage these files are stored in memory and then the code is run.
- This is why it is called as cold start.

Triggers and Binding:

- Triggers are the one which makes the function run. These are integrated with the Azure services.
- Binding is something which helps us to connect the Azure services to the resources.
- Now when the event is triggered then there is a data generated and we can use binding to connect the Azure services to the resources. And once this connection is established we can then transfer the data (read and write to or from the Azure resources).
- There are three types of plans: Custom plan, Premium and dedicated plan.
- Custom have only 1.5 Gb of memory. Cold start will be there.

- Premium is expensive and have unlimited memory. And also there won't be any cold start.
- Dedicated has an option of keeping the azure service active.

Durable functions:

This functions are stateful functions. They interact with external resources.

This functions are used for the function channeling.

When one function is called the durable function is off and the function one interacts with the resource.

Then again the durable functions comes up and then the function 2 is called to access the resource.