



# Thoughts when dealing with Regions, Availability zones and supported services or resources.

First question comes as does this region supports availability zones? Use this to answer [List of Azure regions | Microsoft Learn](#). After you get an answer of this that yes the region supports availability zones then the second question is what product does this region supports? Use this to find out - [Product Availability by Region](#) . Then the 3rd question comes is what all resources supports availability zones or a better question would be what all resources could be spread across availability zones? The answer to this could be

1. May be this service can be deployed in 2 availability zones.
2. May be this is only available in all zones
3. May be this only supports regional deployment as of today



This is understood as there is a gradual release process that lends support of availability zones to the existing services and eventually service will be supported across all zones. After this the next question comes how can I find out If my interested service is supported across all availability zones? If the support is not across all availability zones then the resource can be deployed only supported availability zones or else a regional deployment is the only way to go. To check on this, Use Azure CLI -

Use this command to find list of SKU's supported with restrictions, if any

```
az vm list-skus --location centralus --resource-type virtualMachines --output table --query "[?family == 'standardDPSv5Family'].[name, family, tier, size, restrictions]"
```

Use this to check the full SKU availability -

```
az vm list-skus --location centralus --output json --query "[?name=='Standard_D8ps_v5'].restrictions"
```

If the results has restriction info that means any one of these - either due to subscription limits, regional capacity, or SKU availability.

If a SKU isn't available for your subscription in a location or zone that meets your business needs, submit a request to Azure Support. [SKU not available errors - Azure Resource Manager | Microsoft Learn](#)

