

## 1. Login and Set Subscription

```
az login
az account set --subscription "<your-subscription-id>"
```

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## 2. Create a Resource Group

```
az group create \
  --name FuncDemoRG \
  --location westeurope
```

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## 3. Create Storage Account

Functions require a backing storage account.

```
az storage account create \
  --name funcdemostorage$RANDOM \
  --location westeurope \
  --resource-group FuncDemoRG \
  --sku Standard_LRS
```

Take note of the storage account name.

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## 4. Create a Cosmos DB (SQL API)

```
az cosmosdb create \
  --name funcdemocosmos$RANDOM \
  --resource-group FuncDemoRG \
  --kind GlobalDocumentDB
```

Get a key + endpoint:

```
az cosmosdb keys list \
  --name <cosmos-name> \
  --resource-group FuncDemoRG \
  --type keys

az cosmosdb show \
  --name <cosmos-name> \
  --resource-group FuncDemoRG \
  --query documentEndpoint
```

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## 5. Create Function App

Pick Node runtime (adjust if Python/C#):

```
az functionapp create \
  --resource-group FuncDemoRG \
  --consumption-plan-location westeurope \
```

```
--runtime node \  
--functions-version 4 \  
--name func-demo-$(RANDOM) \  
--storage-account <storage-name>
```

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## 6. Configure Settings

Inject the Cosmos connection string:

```
az functionapp config appsettings set \  
  --name <function-app-name> \  
  --resource-group FuncDemoRG \  
  --settings "CosmosDBConnection=AccountEndpoint=<endpoint>;AccountKey=<key>;"
```

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## 7. Deploy Code

From inside your project folder:

```
func azure functionapp publish <function-app-name>
```

This will bundle all functions (HttpStarter, QueueWorker, BlobProcessor, CosmosWatcher) and push them into Azure.

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## 8. Test Live

Check your deployed endpoint:

```
curl -X POST https://<function-app-name>.azurewebsites.net/api/HttpStarter \  
  -H "Content-Type: application/json" \  
  -d '{"task":"production-test","priority":"urgent"}'
```

Then watch in the **Azure Portal**:

- Storage → Blob containers → see processed/...json.
  - Cosmos DB → MyDB/Items container → see docs appear.
  - Function App → Monitor → logs show CosmosWatcher firing.
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## 9. Clean Up (optional)

When done testing:

```
az group delete --name FuncDemoRG --yes --no-wait
```