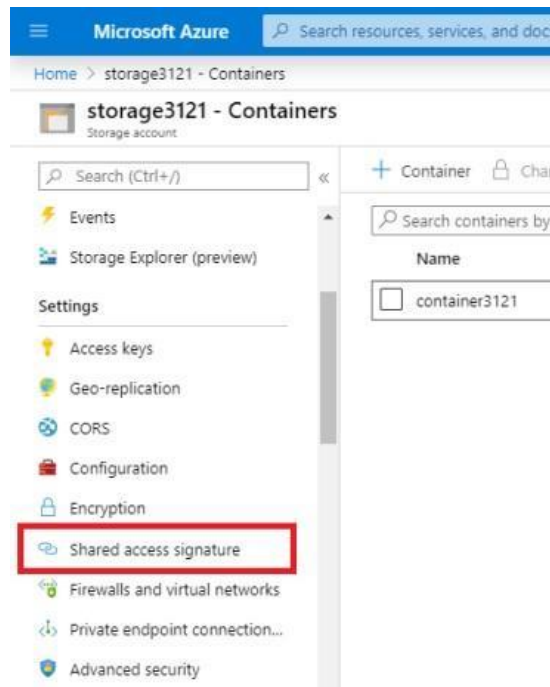


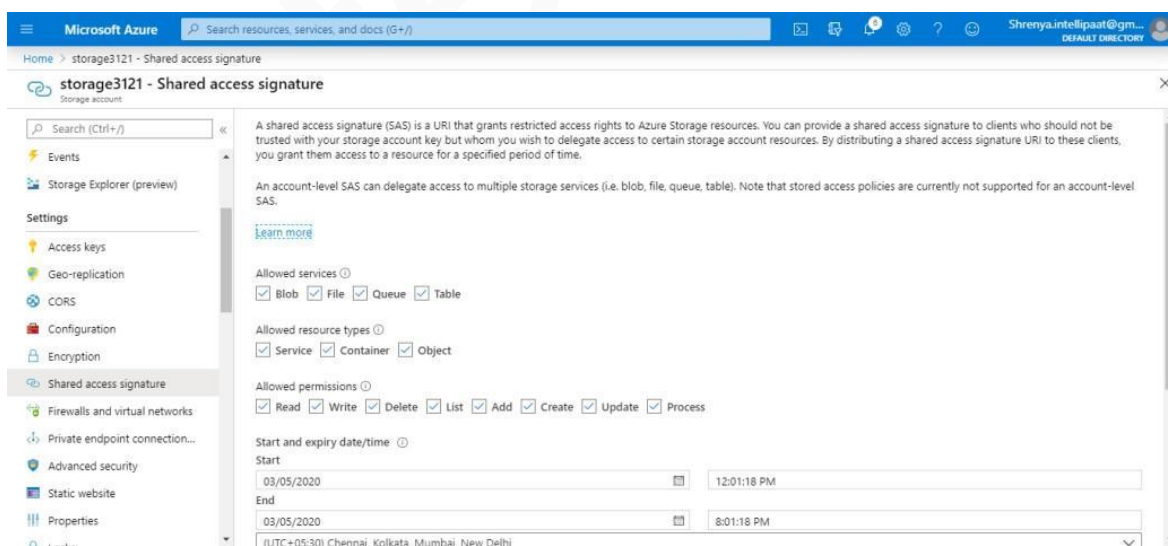


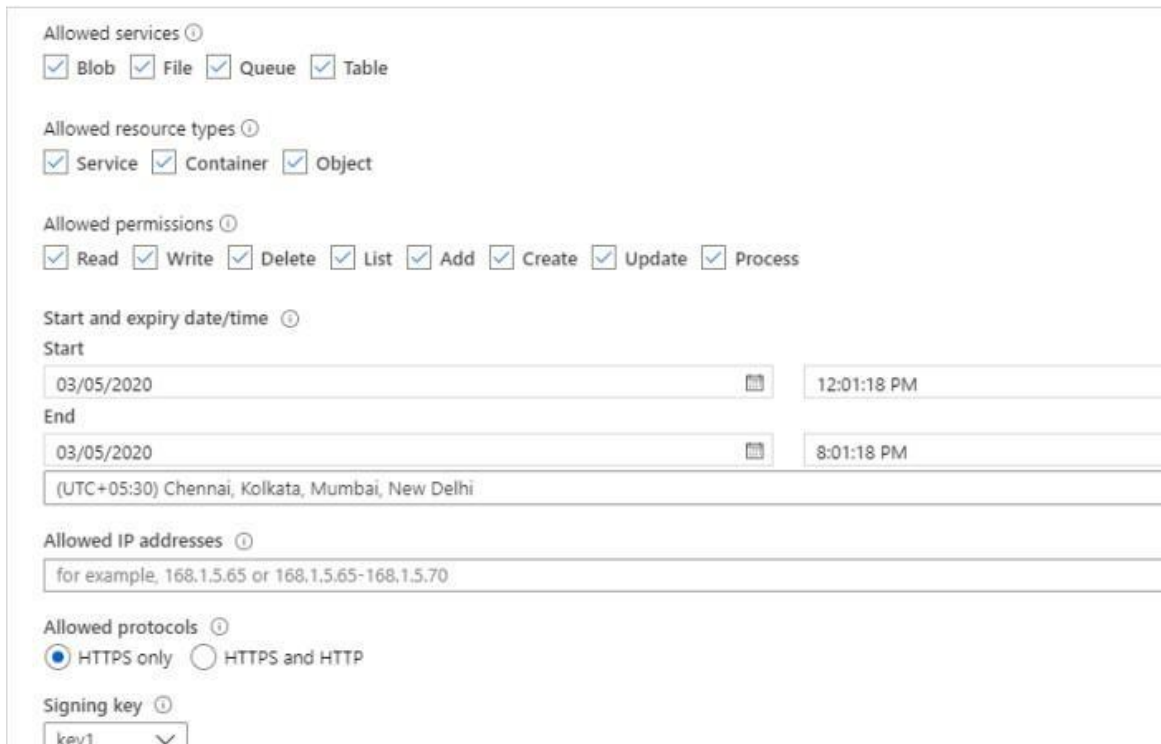
## **Module 3: Hands-On: Generating a Shared Access Signature**

**Step 1:** In portal search for storage account, go to the storage account you want to generate the SAS token for. On the sidebar, Click on 'Shared access signature'



**Step 2:** The wizard for SAS will show up:



**Step 3:** Enter details of all the requirements that are to be shared as required

Allowed services ⓘ

☒ Blob ☒ File ☒ Queue ☒ Table

Allowed resource types ⓘ

☒ Service ☒ Container ☒ Object

Allowed permissions ⓘ

☒ Read ☒ Write ☒ Delete ☒ List ☒ Add ☒ Create ☒ Update ☒ Process

Start and expiry date/time ⓘ

Start

03/05/2020 12:01:18 PM

End

03/05/2020 8:01:18 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses ⓘ

for example, 168.1.5.65 or 168.1.5.65-168.1.5.70

Allowed protocols ⓘ

☒ HTTPS only ☐ HTTPS and HTTP

Signing key ⓘ

key1

**Step 4:** Click on 'Generate SAS and connection String'. The links will come up as per your requirements.

03/05/2020 8:01:18 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses ⓘ

for example, 168.1.5.65 or 168.1.5.65-168.1.5.70

Allowed protocols ⓘ

☒ HTTPS only ☐ HTTPS and HTTP

Signing key ⓘ

key1

**Generate SAS and connection string**

Connection string

BlobEndpoint=https://storage3121.blob.core.windows.net/;QueueEndpoint=https://storage3121.queue.core.windows.net/;FileEndpoint=https://storage3121.file.core.window...

SAS token ⓘ

?sv=2019-02-02&ss=b&srt=c&sp=rw&se=2020-03-05T14:31:18Z&st=2020-03-05T06:31:18Z&spr=https&sig=j%2BqibKQZlzebuTlICfIA0eCxdFxfk6T%2BEeGa2WvdV4%3D

Blob service SAS URL

https://storage3121.blob.core.windows.net/?sv=2019-02-02&ss=b&srt=c&sp=rw&se=2020-03-05T14:31:18Z&st=2020-03-05T06:31:18Z&spr=https&sig=j%2BqibKQZlzebu...

**Step 5:** The connection string will be divided into different path links as shown below. This is different from the SAS token.

```
BlobEndpoint=https://storage3121.blob.core.windows.net/;QueueEndpoint=https://storage3121.queue.core.windows.net/;

FileEndpoint=https://storage3121.file.core.windows.net/;

TableEndpoint=https://storage3121.table.core.windows.net/;

SharedAccessSignature=sv=2019-02-02&ss=b&srt=c&sp=rw&se=2020-03-05T14:31:18Z&st=2020-03-05T06:31:18Z&spr=https&sig=j%2BqibKQZlzebucT11Cf1A0eCxdFxfk6T%2BEeGa2WvdV4%3D
```

**Step 6:** Copy the SAS token and paste it into a notepad. Use the Azure PowerShell code as given below to create a new storage and container using the Shared Access Signature. Replace with the generated SAS token.

```
$StorageAccountName = 'Storage3121'
$ContainerName = 'blob3121'

$sastoken = '<Enter the SAS token>'
$StorageContext = New-AzStorageContext $StorageAccountName -SasToken $sastoken
```