

Topic 1

1. 4, isolated
2. Deployment, ScaledObject, Secret

Answer Area

```
az group create --location westeurope --name myResourceGroup
az webapp
az appservice plan create
az webapp deployment
az group delete
```

```
--name $webappname --resource-group myResourceGroup --
az webapp create
az appservice plan create
az webapp deployment
az group delete
```

```
--repo-url $gitrepo --branch master --manual-integration
git clone $gitrepo
--plan $webappname
```

```
source config --name $webappname
az webapp
az appservice plan create
az webapp deployment
az group delete
```

```
--resource-group myResourceGroup
--repo-url $gitrepo --branch master --manual-integration
git clone $gitrepo
--plan $webappname
```

- 3.
4. B
5. No
6. No
7. No
8. No

Answer Area

Property	Value
Client certificate location	<div style="border: 1px solid black; padding: 5px; display: inline-block;"><div style="background-color: #e0f2e0; color: black; padding: 2px;">HTTP request header</div><div style="background-color: #d9eaf7; color: black; padding: 2px;">Client cookie</div><div style="background-color: #fff; color: black; padding: 2px;">HTTP message body</div><div style="background-color: #fff; color: black; padding: 2px;">URL query string</div></div>
Encoding type	<div style="border: 1px solid black; padding: 5px; display: inline-block;"><div style="background-color: #e0f2e0; color: black; padding: 2px;">HTML</div><div style="background-color: #fff; color: black; padding: 2px;">URL</div><div style="background-color: #fff; color: black; padding: 2px;">Unicode</div><div style="background-color: #e0f2e0; color: black; padding: 2px;">Base64</div></div>

9.

Azure CLI Commands

az group create
az group update
az webapp update
az webapp create
az appservice plan create

Answer Area

az group create
az appservice plan create
az webapp create



10.

11. 4312

Azure CLI Commands	Answer Area
<pre>az webapp config container set --docker-custom-image-name \$dockerHubContainerPath --name \$appName --resource-group fourthCoffeePublicWebResourceGroup</pre>	<pre>#/bin/bash appName="FourthCoffeePublicWeb\$random" location="WestUS" dockerHubContainerPath="FourthCoffee/publicweb:v1" fqdn="http://www.fourthcoffee.com">www.fourthcoffee.com</pre>
<pre>az webapp config hostname add --webapp-name \$appName --resource-group fourthCoffeePublicWebResourceGroup \ --hostname \$fqdn</pre>	<pre>az webapp create --name \$appName --plan AppServiceLinuxDockerPlan --resource-group fourthCoffeePublicWebResourceGroup</pre>
<pre>az webapp create --name \$appName --plan AppServiceLinuxDockerPlan --resource-group fourthCoffeePublicWebResourceGroup</pre>	<pre>az webapp config container set --docker-custom-image-name \$dockerHubContainerPath --name \$appName --resource-group fourthCoffeePublicWebResourceGroup</pre>
<pre>#!/bin/bash appName="FourthCoffeePublicWeb\$random" location="WestUS" dockerHubContainerPath="FourthCoffee/publicweb:v1" fqdn="http://www.fourthcoffee.com">www.fourthcoffee.com</pre>	<pre>az webapp config hostname add --webapp-name \$appName --resource-group fourthCoffeePublicWebResourceGroup \ --hostname \$fqdn</pre>

12. 1. Create Azure Function with a Premium Plan as we need to connect to a VNet

2. Create a system assigned managed identity
3. Create an access policy in the Key Vault

13. D

Answer Area

```
gitrepo=https://github.com/Contoso/webapp
```

```
webappname=businesswebapp
```

```
resourcegroupname=BusinessAppResourceGroup
```

```
az group create --location centralus --name $resourcegroupname
```

```
group  
webapp  
appservice plan  
webapp deployment slot  
webapp deployment source
```

```
az appservice plan create --name $webappname --resource-group $resourcegroupname
```

```
group  
webapp  
appservice plan  
webapp deployment slot  
webapp deployment source
```

```
az webapp create --name $webappname --resource-group $resourcegroupname
```

```
group  
webapp  
appservice plan  
webapp deployment slot  
webapp deployment source
```

```
az webapp deployment slot create --name staging --resource-group $resourcegroupname
```

```
group  
webapp  
appservice plan  
webapp deployment slot  
webapp deployment source
```

```
az webapp deployment slot config --name staging --resource-group $resourcegroupname
```

```
group  
webapp  
appservice plan  
webapp deployment slot  
webapp deployment source
```

14.

15. 3 1 1

16. A

17. A

18. B

19. A

20. B

21. - FROM- WORKDIR - COPY - RUN - CMD

22. D

23. copyIndex, copy, DependsOn.

Answer Area

Yes No

The code will log the time that the order was processed from the queue.

When the ProcessOrders function fails, the function will retry up to five times for a given order, including the first try.

When there are multiple orders in the queue, a batch of orders will be retrieved from the queue and the ProcessOrders function will run multiple instances concurrently to process the orders.

24. The ProcessOrders function will output the order to an Orders table in Azure Table Storage.

Consistency levels

Strong	Bounded Staleness
Consistent Prefix	Eventual

Answer Area

Return the most recent patient status.

Return health monitoring data that is no less than one version behind.

After patient is discharged and all charges are assessed, retrieve the correct billing data with the final charges.

25.

Answer Area

Action

Generalize the VM.

Tool or service

Azure PowerShell
Visual Studio command prompt
Azure Migrate
Azure Backup

Store images.

Azure Blob Storage
Azure Data Lake Storage
Azure File Storage
Azure Table Storage

26.

27. B,D

28. Export Create Modify Deploy AZ copy

29. 1. Run Command 2. Customer Script Extension

Answer Area

```
$gitrepo="https://github.com/TailSpinToys/webapp"
$webappname="TailSpinToysWeb"
$location="WestUS2"
New-AzResourceGroup -Name myResourceGroup -Location $location
New-AzWebAppSlot
New-AzWebApp
New-AzAppServicePlan
New-AzResourceGroup
New-AzWebAppSlot
New-AzWebApp
New-AzAppServicePlan
New-AzResourceGroup
New-AzWebAppSlot
New-AzWebApp
New-AzAppServicePlan
New-AzResourceGroup
New-AzWebAppSlot
New-AzWebApp
New-AzAppServicePlan
New-AzResourceGroup
$PropertiesObject = @{repoUrl = "$gitrepo";branch = "master";}
Set-AzResource -PropertyObject $PropertiesObject -ResourceGroupName myResourceGroup -ResourceType Microsoft.Web/sites/slots/sourcecontrols -ResourceName $webappname/review/web -ApiVersion 2015-08-01 -Force
Switch-AzWebAppSlot -Name $webappname -ResourceGroupName myResourceGroup
-SourceSlotName review -DestinationSlotName production
```

30.

31. IdentityType, SystemAssigned

32. B

33. Yes

Answer Area

Statements	Yes	No
------------	-----	----

A log alert is created that sends an email when the CPU percentage is above 60 percent for five minutes.

A log alert is created that sends an email when the number of virtual machine heartbeats in the past hour is less than five.

The log alert is scheduled to run every two hours.

34.

Features

Extension bundle
Runtime
Policy
Hosting plan

Answer Area

Requirement

Enable developers to write the functions by using the Rust language.

Feature

Custom handler

Declaratively connect to an Azure Blob Storage account.

Trigger

35.

Answer Area

App setting	Value
LOCALAPPDATA	true
WEBSITE_LOCALCACHE_ENABLED	
DOTNET_HOSTING_OPTIMIZATION_CACHE	
WEBSITES_ENABLE_APP_SERVICE_STORAGE	
DIAGDATA	

36.

37. A D

38. No

Topic 2

Answer Area

Statements	Yes	No
SaveScore will work with Cosmos DB.	<input checked="" type="radio"/>	<input type="radio"/>
SaveScore will update and replace a record if one already exists with the same playerId and gameId.	<input type="radio"/>	<input checked="" type="radio"/>
Leader board data for the game will be automatically partitioned using gameId.	<input type="radio"/>	<input checked="" type="radio"/>
SaveScore will store the values for the gameId and playerId parameters in the database.	<input checked="" type="radio"/>	<input type="radio"/>

1.

Answer Area

Statement	Yes	No
The code creates an infinite lease	<input checked="" type="radio"/>	<input type="radio"/>
The code at line 06 always creates a new blob	<input type="radio"/>	<input checked="" type="radio"/>
The finally block releases the lease	<input checked="" type="radio"/>	<input type="radio"/>

2.

3. B

Answer Area

```
resourceGroupName='airlineResourceGroup'  
name='docdb-airline-reservations'  
databaseName='docdb-tickets-database'  
collectionName='docdb-tickets-collection'  
consistencyLevel=
```

Strong
Eventual
ConsistentPrefix
BoundedStaleness

```
az cosmosdb create \  
--name $name \  

```

```
--enable-virtual-network true \  
--enable-automatic-failover true \  
--kind 'GlobalDocumentDB' \  
--kind 'MongoDB' \  

```

```
--resource-group $resourceGroupName \  
--max-interval 5 \  

```

```
--locations 'southcentralus'  
--locations 'eastus'  
--locations 'southcentralus=0 eastus=1 westus=2'  
--locations 'southcentralus=0'
```

4. --default-consistency-level = \$consistencylevel

5. 4 3 3

6. 1) Service bus queue 2) Active message count 3) Average 4) Less than or equal
to 5) Decrease count by

7. FetchAttributesAsync -> Metadata.Add -> SetMetadataAsync

8. B

9. A

10. - Upgrade the existing one to GPv2 -

Create a new GPv2 standard account with default access level to cool

- And then copy archive data to the GPv2 and delete the data from original
storage account

11. C

12. A

Code segment 1

`http://localhost:50342/oauth2/token`

`http://169.254.169.254:50432/oauth2/token`

`http://localhost/metadata/identity/oauth2/token`

Code segment 2

`XDocument.Parse(payload);`

`new MultipartContent(payload);`

`new NetworkCredential("Azure", payload);`

Answer Area

```
var url = " http://169.254.169.254/metadata/identity/oauth2/token " ;  
var queryString = "...";  
var client = new HttpClient();  
var response = await client.GetAsync(url + queryString);  
var payload = await response.Content.ReadAsStringAsync();  
  
return JsonConvert.DeserializeObject<Dictionary<string, string>>(payload);
```

13.

14. compositeIndexes, asending

15. 6 highway

Answer Area

Components

Action

Component

Helm

Draft

Deploy solution.

Helm

Brigade

View cluster and external IP addressing.

KubeCtl

KubeCtl

Implement a single, public IP endpoint that is routed to multiple microservices.

Ingress Controller

CoreDNS

Virtual Kubelet

16.

17. - Correlation filter - SQL filter - SQL filter - SQL filter - No filter

Actions	Answer Area
If no edge servers in the POP have the image in cache, the POP requests the file from the origin server.	A user requests the image from the CDN URL. The DNS routes the request to the best performing POP location.
A user requests the image from the CDN URL. The DNS routes the request to the best performing POP location.	If no edge servers in the POP have the image in cache, the POP requests the file from the origin server.
Subsequent requests for the file may be directed to the same POP using the CDN logo image URL. The POP edge server returns the file from cache if the TTL has not expired.	The origin server returns the logo image to an edge server in the POP. An edge server in the POP caches the logo image and returns the image to the client.
The origin server returns the logo image to an edge server in the POP. An edge server in the POP caches the logo image and returns the image to the client.	Subsequent requests for the file may be directed to the same POP using the CDN logo image URL. The POP edge server returns the file from cache if the TTL has not expired.

18.

19. DE

Answer Area

Statements	Yes	No
A database named SalesOrders is created. The database will include two containers.	<input checked="" type="radio"/>	<input type="radio"/>
Container1 will contain two items.	<input type="radio"/>	<input checked="" type="radio"/>
Container2 will contain one item.	<input checked="" type="radio"/>	<input type="radio"/>

20.

Components

Answer Area	Requirement	Component
	Store the data from which the change feed is generated.	Monitored container
	Coordinate processing of the change feed across multiple workers.	Lease container
	Use the change feed processor to listen for changes.	Host
	Handle each batch of changes.	Delegate

21.

Topic 3:

1. 1 Select AD instance

2 In App Registration, select new registration

3 Create a new application and provide the name

2. BC

3. C

4. B

5. A

6. A

Features	Answer Area	Action	Feature
Access policy		Enable retention period and accidental deletion.	Soft delete
Purge protection		Enforce retention period and accidental deletion.	Purge protection

7.

8. AC

Settings	Answer Area	API	Permission	Type
client_id		Azure Storage	user_impersonation	delegated
profile		Microsoft Graph	User.Read	delegated

9.

10. Use Authentication, Use Authorization, Use AzureAppConfiguration.

11. A

12. A

13. B

14. B

Answer Area

```

az provider register -n Microsoft.KeyVault
resourcegroup="myResourceGroup"
az group create --name $resourcegroup --location westus
keyvault_name=myvaultname$RANDOM
az [▼] create \
    vm
    keyvault
    keyvault key
    vm encryption
--name $keyvault_name \
--resource-group $resourcegroup \
--location eastus \
--enabled-for-disk-encryption True
az [▼] create \
    vm
    keyvault
    keyvault key
    vm encryption
--vault-name $keyvault_name \
--name Name1 \
--protection software
az [▼] create \
    vm
    keyvault
    keyvault key
    vm encryption
--resource-group $resourcegroup \
--name Name2 \
--image Canonical:UbuntuServer:16.04-LTS:latest \
--admin-username azureuser \
--generate-ssh-keys \
--data-disk-sizes-gb 5
az [▼] enable \
    vm
    keyvault
    keyvault key
    vm encryption
--resource-group $resourcegroup \
--name Name2 \
--disk-encryption-keyvault $keyvault_name \
--key-encryption-key Name1 \
--volume-type
    all
    data
    os

```

15.

16. C

Powershell commands

```

$secretvalue = ConvertTo-SecureString
$storAcctkey -AsPlainText
-Force
Set-AzKeyVaultSecret -VaultName
$VaultName -Name $secretName
-SecretValue $secretvalue

Get-AzStorageAccountKey -
ResourceGroupName $resGroup -Name
$storAcct

Set-AzContext -SubscriptionId
$subscriptionID

Get-AzKeyVaultSecret -VaultName
$VaultName

Get-AzSubscription

```

Answer Area

```

Get-AzSubscription

Set-AzContext -SubscriptionId
$subscriptionID

Get-AzStorageAccountKey -
ResourceGroupName $resGroup -Name
$storAcct

$secretvalue = ConvertTo-SecureString
$storAcctkey -AsPlainText
-Force
Set-AzKeyVaultSecret -VaultName
$VaultName -Name $secretName
-SecretValue $secretvalue

Get-AzKeyVaultSecret -VaultName
$VaultName

```

17.

18. B

19. B

20. 1 mobile 2 DeliveryRulesDeviceConditionParameters 3 HTTP_USER_AGENT 4

DeliveryRuleRequestHeaderConditonParameters 5 IPhone

21. B

22. A

23. 1) groupMembershipClaims 2) oauth2IdTokenClaimFilter

24. B

25. A

26. D

27. D

28. Inbound Inbound Inbound Outbound

Code segments

ClientSecretCredential
CloudClients

Answer Area

```
string var1 = Environment.GetEnvironmentVariable("KEY_VAULT_URI");
var var2 = new SecretClient ( new Uri(var1), new DefaultAzureCredential () );
```

29.

30. AB

31. AD

Actions

Create a custom policy definition in Azure Policy.

Run the az keyvault key restore command.

Answer Area

Generate a Key Exchange Key (KEK).

Retrieve the Key Exchange Key (KEK) public key.

Generate a key transfer blob file by using the HSM vendor-provided tool.

Run the az keyvault key import command.

32.

33. A

Answer Area

Yes **No**

Block blobs prefixed with container1/salesorders or container2/inventory which have not been modified in over 60 days are moved to cool storage. Blobs that have not been modified in 120 days are moved to the archive tier.

Blobs are moved to cool storage if they have not been accessed for 30 days.

Blobs will automatically be tiered from cool back to hot if accessed again after being tiered to cool.

All block blobs older than 730 days will be deleted.

34.

35. C,D

Answer Area

Yes No

The minimum throughput for the container is 400 R/Us.

The first query statement is an in-partition query.

36.

The second query statement is a cross-partition query.

Answer Area

```
AuthenticationConfig config = AuthenticationConfig.ReadFromJsonFile("appsettings.json");
X509Certificate2 certificate = ReadCertificate(config.CertificateName);
var app = ConfidentialClientApplicationBuilder
    .Create(config.ClientId)
    .WithCertificate(certificate)
    .WithAuthority(new Uri(config.Authority))
    .Build();
string[] scopes = new string[] { $"{config.ApiUrl}.default" };
AuthenticationResult result = await app.AcquireTokenForClient(
    scopes
    .ExecuteAsync();
```

37.

Topic 4

1. BD
2. Yes, no, yes

Answer Area

Setting	Action
---------	--------

Caching behavior	<div style="border: 1px solid black; padding: 5px; display: inline-block;">▼</div>
------------------	--

Bypass cache
Override
Set if missing

Cache expiration duration	<div style="border: 1px solid black; padding: 5px; display: inline-block;">▼</div>
---------------------------	--

1 second
1 minute
1 hour
1 day

Query string caching behavior	<div style="border: 1px solid black; padding: 5px; display: inline-block;">▼</div>
-------------------------------	--

Ignore query strings
Bypass caching for query strings
Cache every unique URL

3.

4. Configure the web app to the Standard App Service Tier

Enable autoscaling on the web app

Add a Scale condition

Add a scale rule

5. B

6. A

7. Database cache = Connection.GetDatabase(); cache.KeyDelete("teams")

8. 1. Create blank logic app

2. Add logic app trigger when one or more messages arrive in the queue

3. Action to read IoT Temp data

4. Compare upper and lower temp

5. Send emails

9. 1 Funnels 2 Impact 3. Retention 4 User flow

10. A

11. AD

12. A

13. A

Answer Area

```

let startTimestamp =
    ago(1d)
    since(1d)
    totimespan(1d)
    date(now() - 1d)

let ContainerIDs = KubePodInventory
| where ClusterName == "Cluster1"
| top ContainerID
| union ContainerID
| sample ContainerID
| distinct ContainerID

ContainerLog
| fork containerIDs
| where ContainerID in (ContainerIDs)
| restrict ContainerID in (ContainerIDs)
| join ContainerID == ContainerIDs ContainerID
| where TimeGenerated > startTimestamp
| where LogEntrySource == "stderr"
| project by Computer
| summarize by Computer
| partition count() by Computer
| summarize count() by Computer

```

14.

15. config docker - container - logging webapp tail

16. BC

17. External Private Authorization

18. B

19. B

Actions

Answer Area

Register the application with the Microsoft identity platform.

Build a client by using the client app ID.

>Create an authentication provider.

Create a new instance of the GraphServiceClient.

Invoke the request to the Microsoft Graph API.

20.

Actions	Answer Area
Create action groups and alert rules.	Create a Log Analytics workspace.
	Install the Logic Apps Management solution.
	Add a diagnostic setting to the Azure Logic App.
Add a diagnostic setting to the Azure Function App.	
Create an Azure storage account.	

21.

Actions	Answer Area
	Create a Log Analytics workspace.
	Add a VMInsights solution.
Send console logs.	Install agents on the VM and VM scale set to be monitored.
	Create an Application Insights resource.

22.

Topic 5

Policy types	Answer Area	Policy type
Inbound	Requirement Rewrite the request URL to match the format expected by the web service.	Inbound
Outbound	Remove formatting text from responses.	Outbound
Backend	Forward the user ID that is associated with the subscription key for the original request to the back-end service.	Inbound
1.		
2. C		
3. BOX 1: Recurrence BOX 2: Condition BOX 3: Timer blob BOX 4: Put a message on a queue BOX 5: List blob2 ==> check the next one		
4. A		
5. B		
6. B		
7. B		

Answer Area

Tools	Functionality	Tool
Logic Apps Designer	Edit B2B workflows	Enterprise Integration Pack
Code View Editor	Edit definitions in JSON	Code View Editor
Enterprise Integration Pack	Visually add functionality	Logic Apps Designer
8.		
9. A		

Answer Area

Statement	Yes	No
The code configures the lock duration for the queue.	<input type="radio"/>	<input checked="" type="radio"/>
The last message read remains in the queue after the code runs.	<input checked="" type="radio"/>	<input type="radio"/>
10. The storage queue remains in the storage account after the code runs.	<input checked="" type="radio"/>	<input type="radio"/>
11. C	<input type="radio"/>	<input checked="" type="radio"/>
12. B	<input type="radio"/>	<input checked="" type="radio"/>
13. Create a single Service Bus Namespace.	<input type="radio"/>	<input checked="" type="radio"/>
Create a single Service Bus Topic.	<input type="radio"/>	<input checked="" type="radio"/>
Create a Service Bus subscription for each restaurant for which a driver can receive orders.	<input type="radio"/>	<input checked="" type="radio"/>

Answer Area

```

string notificationHubName = "contoso_hub";
string notificationHubConnection = "connection_string";
hub =
NotificationHubClient
NotificationHubClientSettings
NotificationHubJob
NotificationDetails
.
.
GetInstallation
CreateClientFromConnectionString
CreateOrUpdateInstallation
PatchInstallation
(notificationHubConnection, notificationHubName);
string windowsToastPayload =
@<toast><visual><binding template=""ToastText01""><text id=""1"">" +
@"New item to view" + @"</text></binding></visual></toast>";
try
{
var result =
await hub. (windowsToastPayload);
SendWindowsNativeNotificationAsync
SubmitNotificationHubJobAsync
ScheduleNotificationAsync
SendAppleNativeNotificationAsync
...
}
catch (System.Exception ex)
{
...
}
...
14. ...

```

15. AB

16. 1. https(s) endpoint, 2. Client cert

17. WebHook Event Delivery --- ValidationCode handshake

Topic publishing --- SAS Tokens

18. Yes, no, no

19. A C

20. D

21. B

22. B

Policy segments	Answer Area
server	< [on-error] >
context	<base />
on-error	<choose>
set-status	<when condition = " @ [context].Response.StatusCode == 500
when-error	&& [context].LastError.Message.Contains
override-status	" conflict = ")) " >
	<return-response>
	< [set-status] >
	</return-response>
	</when>
	<otherwise />
	</choose>
	< [on-error] >

23.

Code segments	Answer Area
raw	var endpoint = "..."; var payload = "..."; var request = new HttpRequestMessage(HttpMethod.Post, endpoint); request.Headers.Add("X-WNS-Type", "wns/raw"); request.Headers.Add("ServiceBusNotification-Format", " windows "); request.Content = new StringContent(payload, Encoding.UTF8, " application/octet-stream "); var client = new HttpClient(); await client.SendAsync(request);
windowsphone	
application/xml	
application/json	

24.

25. B

26. Source -> blob storage

Receiver -> event grid

Handler -> logic app

Topic 6

1. B
2. B
3. A
4. C
5. A
6. B
7. A
8. B
9. B
10. B
11. D
12. B
13. B
14. A
15. B
16. B
17. B
18. A
19. B
20. A
21. C
22. C
23. A
24. BD
25. B
26. A
27. B
28. C
29. B
30. B
31. A
32. B

33. C

34. C

35. B

36. B

37. B

38. A

39. A

40. B

41. D

42. B

43. C

Topic 7

1. Standard
2. Akamai
3. Dynamic Site Acceleration

Answer Area

Option	Value
Tier	Standard
Profile	Akamai
Optimization	dynamic site acceleration

Answer Area

Issue	Tool
Backup and Restore	Azure Site Recovery Azure Backup
Performance	Azure Network Watcher Azure Traffic Manager ExpressRoute Accelerated Networking

2.

Topic 8

Json segments	Answer Area
User	"appRoles": [
value	{ "allowedMemberTypes": [
role	"User"] ,
Application	"displayName": "ContentReviewer",
allowedMemberTypes	"id": "e1c2ade8-98f8-45fd-aa4a-6d24b512c22a",
allowedAccountTypes	"isEnabled": true,

1.

2. Box 1: "oauth2AccessTokenType": "ClientFlow": true

Box 2: "oauth2AlLowImplicitFlow": true

Answer Area

Technology	Value
SSL certificate	Valid root certificate Self-signed certificate
Proxy type	nginx Azure Application Gateway

3.

YAML segments	Answer Area
envVar	volumeMounts : - mountPath: /mnt/secrets name: accesskey
secretValues	volumes : - name: accesskey
environmentVariables	secret : key: TxkgZmlyc3Qgc2VjcmV0IEZPTwo=
...	...
...	...
...	...
...	...

4.

Answer Area

```
"optionalClaims": [  
    "acct",  
    "plaff",  
    "sid",  
    "tenant_ctry",  
    "sid",  
    "upn",  
    "email",  
    "enfpolids"],
```

5.

Topic 9

1. anonymous, jwt, http
2. B

Topic 10

1. Box 1: cpandl keyvault t
- Box 2: PostgreSQL Conn
- Box 3: Environment
2. • Generate a certificate

- Upload the certificate to Azure key vault
 - Import the certificate to Azure App Service
 - Add the certificate thumbprint to the WEBSITE_LOAD_CERTIFICATES app setting
3. Validate JWT, Inbound
 4. DE
 5. Anonymous, system assigned

Answer Area

Setting	Value
Tier	<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;"> Basic Standard Premium </div>
RBAC role	<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;"> Owner Contributor Azure Service Bus Data Owner Azure Service Bus Data Receiver </div>

6.

Topic 11:

Answer Area

```
var resolver = new KeyVaultKeyResolver(_keyVaultClient);
var keyBundle = await _keyVaultClient.GetKeyAsync("...", "...");
```

```
var key = keyBundle.Key;
var key = keyBundle.KeyIdentifier.Identifier;
var key = await resolver.ResolveKeyAsync("encrypt", null);
var key = await resolver.ResolveKeyAsync(keyBundle.KeyIdentifier.Identifier, CancellationToken.None);
```

```
var x = keyBundle.Managed;
var x = AuthenticationScheme.SharedKey;
var x = new BlobEncryptionPolicy(key, resolver);
var x = new DeleteRetentionPolicy {Enabled = key.Kid != null};
```

```
cloudBlobClient.AuthenticationScheme = x;
cloudBlobClient.DefaultRequestOptions.RequireEncryption = x;
cloudBlobClient.DefaultRequestOptions.EncryptionPolicy = x;
cloudBlobClient.SetServiceProperties(new ServiceProperties(deleteRetentionPolicy:x));
```

- 1.
2. d

Topic 12

1. C
2. D

Topic 13

1. A
2. shared access signature (SAS) token

change feed

Topic 14:

Code segment	Answer Area
All	{ "name": "newlogs", "properties": { "topic": "/subscriptions/. . ./providers/Microsoft.EventGrid/topics/. . .", "destination": { "endpointType" : "WebHook", "filter": { "subjectBeginsWith": "/blobServices/default/containers/logdrop/", "includedEventTypes": ["Microsoft.Storage.BlobCreated"] }, "labels": [], "eventDeliverySchema": "EventGridSchema" }, }, }
WebHook	
EventHub	
subjectEndsWith	
Microsoft.Storage	
subjectBeginsWith	
Microsoft.Storage.BlobCreated	
1.	
2. D	
Code segments	Answer Area
/health	public class Filter : ITelemetryProcessor { private readonly ITelemetryProcessor _next; public (Filter ITelemetryProcessor next) { _next = next; } public void Process(ITelemetry item) { var x = item as RequestTelemetry ; if (x?.Url.AbsolutePath == "/health") { return; } _next.Process(item); } }
/status	
RequestTelemetry	
PageViewTelemetry	
ITelemetryProcessor	
ITelemetryInitializer	
3.	
public class IncludeEventId : ITelemetryInitializer	
{	
public void Initialize (ITelemetry telemetry)	
{	
telemetry.Context.Properties["EventId"] = EventgridController.EventId.Value;	
}	
}	
https://docs.microsoft.com/en-us/azure/azure-monitor/app/api-custom-events-metrics#sampling-filtering-and-processing-telemetry	
https://docs.microsoft.com/en-us/dotnet/api/microsoft.applicationinsights.datacontracts.telemetrycontext.properties?view=azure-dotnet#Microsoft_ApplicationInsights_DataContracts_TelemetryContext_Properties	
4.	

Topic 15:

1. D
2. D
3. C

Topic 16:

1. CD
2. 1. Fixed 2. PT10S 3. 5

Topic 17

1. Create an integration account in the Azure portal.

Add partners, schemas, certificates, maps and agreements.

Link the Logic App to the integration account.

Update the Logic App to use the partners, schemas, certificates, maps and agreements.

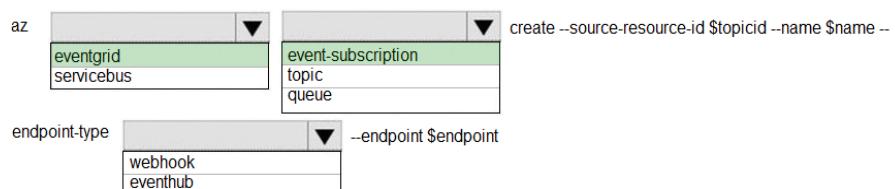
2. C

Topic 18

1. C

Topic 19

Answer Area



1.

2. C

Topic 20:

Code segments	Answer Area
topic	
status	
eventType	
Succeeded	
operationName	
resourceProvider	

1.

Answer Area

public string	(get; set;)
id	
eventType	
dataVersion	
metadataVersion	
public string	(get; set;)
id	
eventType	
dataVersion	
metadataVersion	
public string	(get; set;)
id	
eventType	
dataVersion	
metadataVersion	

2.

Answer Area

```
var client = new WebSiteManagementClient(. . .);
var id = ParseResourceId(resource);
var appSettings = new StringDictionary(name: "properties",
    properties: new Dictionary<string, string> {
        {"DIAGNOSTICS_AZUREBLOBCONTAINERSASURL", BlobStoreAccountsSAS("logs")},
        {"DIAGNOSTICS_AZUREBLOBRETENTIONINDAYS", "15"}
    });
client.WebApps.();
id.resourceGroup,
id.name, appSettings);
```

3.

Topic 21

1. AB

Topic 22

1. 1. ImagePushed 2. repository 3. topic
2. A

Topic 23

Actions	Answer area
Create an alias of the image with a new build number.	Build a new application image by using dockerfile.
	Create an alias of the image with the fully qualified path to the registry.
Download the image to your local computer.	Log in to the registry and push image.
1.	
2. C	

Topic 24

1. A C
2. A
3. 1- Queue Trigger[] 2- Blob[]

Topic 25

Create storage account

Basics Networking Advanced Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *	Visual Studio Enterprise
Resource group *	(New) cplcorporatesite
	Create new

Instance details

The default deployment model is Resource Manager, which supports the latest Azure features. You may choose to deploy using the classic deployment model instead. [Choose classic deployment model](#)

Storage account name ⓘ *	corporatewebsitecontent
Location *	(US) East US
Performance ⓘ	<input checked="" type="radio"/> Standard <input type="radio"/> Premium
Account kind ⓘ	<ul style="list-style-type: none"> StorageV2 (general purpose v2) Storage (general purpose v1) BlobStorage
Replication ⓘ	<ul style="list-style-type: none"> Locally-redundant storage (LRS) Zone-redundant storage (ZRS) Geo-redundant storage (GRS) Read-access geo-redundant storage (RA-GRS) Geo-zone-redundant storage (GZRS) Read-access geo-zone-redundant storage (RA-GZRS)
Access tier (default) ⓘ	<input checked="" type="radio"/> Cool <input type="radio"/> Hot

Repl i cat i on shoul d be GZRS.

Topic 26

Code segments	Answer Area
MSITokenProvider("... .", null)	var tp = new AzureServiceTokenProvider()
	var t = new TokenCredential(await tp.GetAccessTokenAsync("... ."));
	return new StorageCredentials(t);
StringTokenProvider("storage", "msi")	
tp.GetAuthenticationHeaderAsync(CancellationToken.None)	

1.

2. SingleTransferContext and ShouldOverwriteCallbackAsync, false

Values	Answer Area
true	var copyOptions = new CopyOptions { };
SingleTransferContext	var context = new DirectoryTransferContext = (source, destination) => Task.FromResult(true);
	context. ShouldTransferCallbackAsync = (source, destination) => Task.FromResult(true);
	await TransferManager.CopyAsync(blob, GetDRBlob(blob), isServiceCopy: false
	, context: context, options:copyOptions);
ShouldOverwriteCallbackAsync	

Topic 27

Answer Area

Setting	Value
Consistency Level	Strong
	Bounded-staleness
	Session
	Eventual
API	SQL
	MongoDB
	Graph
	Table

Answer Area

SELECT li.id AS lineitemid, li.price

FROM Orders o
JOIN LineItems li
ON li.o = o
IN o.line_items
li.line_items
o.address

ORDER BY o.address.city
li.address.city
o.city
li.city

The last one should be o.address.city