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## Microsoft

### AZ-204 Exam

**Microsoft Developing Solutions for Microsoft Azure Exam**

**Questions & Answers  
(Demo Version – Limited Content)**

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# Version: 4.0

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**Question: 1**

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HOTSPOT

You need to configure Azure CDN for the Shipping web site.

Which configuration options should you use? To answer, select the appropriate options in the answer area.



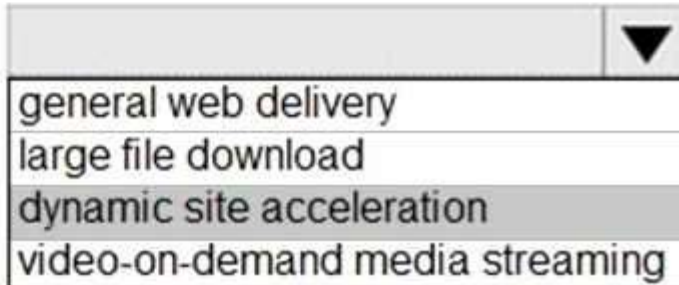
NOTE: Each correct selection is worth one point.

Option	Value
Tier	<input type="text"/> Standard Premium
Profile	<input type="text"/> Akamai Microsoft
Optimization	<input type="text"/> general web delivery large file download dynamic site acceleration video-on-demand media streaming

---

**Answer:**

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Option	Value
Tier	
Profile	
Optimization	

Explanation:

Scenario: Shipping website

Use Azure Content Delivery Network (CDN) and ensure maximum performance for dynamic content while minimizing latency and costs.

Tier: Standard

Profile: Akamai

Optimization: Dynamic site acceleration

Dynamic site acceleration (DSA) is available for Azure CDN Standard from Akamai, Azure CDN Standard from Verizon, and Azure CDN Premium from Verizon profiles.

DSA includes various techniques that benefit the latency and performance of dynamic content.

Techniques include route and network optimization, TCP optimization, and more.

You can use this optimization to accelerate a web app that includes numerous responses that aren't cacheable. Examples are search results, checkout transactions, or real-time data.

a. You can continue to use core Azure CDN caching capabilities for static data.

Reference:

<https://docs.microsoft.com/en-us/azure/cdn/cdn-optimization-overview>

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**Question: 2**

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HOTSPOT

You need to secure the Shipping Function app.

How should you configure the app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Setting	Value
Authorization level	<input type="text"/> Function Anonymous Admin
User claims	<input type="text"/> JSON Web Token (JWT) Shared Access Signature (SAS) token API Key
Trigger type	<input type="text"/> blob HTTP queue timer

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**Answer:**

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Setting	Value
Authorization level	<div style="border: 1px solid black; padding: 2px;"> <div style="border-bottom: 1px solid black; padding: 2px;">Function</div> <div style="border-bottom: 1px solid black; padding: 2px;">Anonymous</div> <div style="padding: 2px;">Admin</div> </div>
User claims	<div style="border: 1px solid black; padding: 2px;"> <div style="border-bottom: 1px solid black; padding: 2px;">JSON Web Token (JWT)</div> <div style="border-bottom: 1px solid black; padding: 2px;">Shared Access Signature (SAS) token</div> <div style="padding: 2px;">API Key</div> </div>
Trigger type	<div style="border: 1px solid black; padding: 2px;"> <div style="border-bottom: 1px solid black; padding: 2px;">blob</div> <div style="border-bottom: 1px solid black; padding: 2px;">HTTP</div> <div style="border-bottom: 1px solid black; padding: 2px;">queue</div> <div style="padding: 2px;">timer</div> </div>

Explanation:

Scenario: Shipping Function app: Implement secure function endpoints by using app-level security and include Azure Active Directory (Azure AD).

Box 1: Function

Box 2: JSON based Token (JWT)

Azure AD uses JSON based tokens (JWTs) that contain claims

Box 3: HTTP

How a web app delegates sign-in to Azure AD and obtains a token

User authentication happens via the browser. The OpenID protocol uses standard HTTP protocol messages.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios>

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### Question: 3

You need to secure the Shipping Logic App.  
What should you use?

A. Azure App Service Environment (ASE)

- B. Azure AD B2B integration
- C. Integration Service Environment (ISE)
- D. VNet service endpoint

**Answer: C**

Explanation:

Scenario: The Shipping Logic App requires secure resources to the corporate VNet and use dedicated storage resources with a fixed costing model.

You can access to Azure Virtual Network resources from Azure Logic Apps by using integration service environments (ISEs).

Sometimes, your logic apps and integration accounts need access to secured resources, such as virtual machines (VMs) and other systems or services, that are inside an Azure virtual network. To set up this access, you can create an integration service environment (ISE) where you can run your logic apps and create your integration accounts.

References:

<https://docs.microsoft.com/en-us/azure/logic-apps/connect-virtual-network-vnet-isolated-environment-overview>

**Question: 4**

DRAG DROP

You need to support the message processing for the ocean transport workflow.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Create an integration account in the Azure portal.	
Link the custom connector to the Logic App.	
Update the Logic App to use the partners, schemas, certificates, maps, and agreements.	
Create a custom connector for the Logic App.	
Add partners, schemas, certificates, maps, and agreements.	
Link the Logic App to the integration account.	

**Answer:**

Create an integration account in the Azure portal.

Link the Logic App to the integration account.

Add partners, schemas, certificates, maps, and agreements.

Create a custom connector for the Logic App.

Explanation:

Step 1: Create an integration account in the Azure portal

You can define custom metadata for artifacts in integration accounts and get that metadata during runtime for your logic app to use. For example, you can provide metadata for artifacts, such as partners, agreements, schemas, and maps - all store metadata using key-value pairs.

Step 2: Link the Logic App to the integration account

A logic app that's linked to the integration account and artifact metadata you want to use.

Step 3: Add partners, schemas, certificates, maps, and agreements

Step 4: Create a custom connector for the Logic App.

References:

<https://docs.microsoft.com/bs-latn-ba/azure/logic-apps/logic-apps-enterprise-integration-metadata>

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### Question: 5

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You need to support the requirements for the Shipping Logic App.

What should you use?

- A. Azure Active Directory Application Proxy
- B. Point-to-Site (P2S) VPN connection
- C. Site-to-Site (S2S) VPN connection
- D. On-premises Data Gateway

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**Answer: D**

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Explanation:

Before you can connect to on-premises data sources from Azure Logic Apps, download and install the on-premises data gateway on a local computer. The gateway works as a bridge that provides quick data transfer and encryption between data sources on premises (not in the cloud) and your logic apps.

The gateway supports BizTalk Server 2016.

Note: Microsoft have now fully incorporated the Azure BizTalk Services capabilities into Logic Apps and Azure App Service Hybrid Connections.

Logic Apps Enterprise Integration pack bring some of the enterprise B2B capabilities like AS2 and

X12, EDI standards support

Scenario: The Shipping Logic app must meet the following requirements:

- Support the ocean transport and inland transport workflows by using a Logic App.
- Support industry-standard protocol X12 message format for various messages including vessel content details and arrival notices.
- Secure resources to the corporate VNet and use dedicated storage resources with a fixed costing model.
- Maintain on-premises connectivity to support legacy applications and final BizTalk migrations.

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-gateway-install>

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### Question: 6

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You need to migrate on-premises shipping data to Azure.

What should you use?

- A. Azure Migrate
- B. Azure Cosmos DB Data Migration tool (dt.exe)
- C. AzCopy
- D. Azure Database Migration service

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**Answer: D**

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Explanation:

Migrate from on-premises or cloud implementations of MongoDB to Azure Cosmos DB with minimal downtime by using Azure Database Migration Service. Perform resilient migrations of MongoDB data at scale and with high reliability.

Scenario: Data migration from on-premises to Azure must minimize costs and downtime.

The application uses MongoDB JSON document storage database for all container and transport information.

References:

<https://azure.microsoft.com/en-us/updates/mongodb-to-azure-cosmos-db-online-and-offline-migrations-are-now-available/>

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### Question: 7

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DRAG DROP

You need to add markup at line AM04 to implement the ContentReview role.

How should you complete the markup? To answer, drag the appropriate json segments to the correct locations. Each json segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Json segments	Answer Area
<input type="text" value="User"/>	"appRoles" : [
<input type="text" value="value"/>	{
<input type="text" value="role"/>	" <input type="text" value=""/> ": [
<input type="text" value="Application"/>	" <input type="text" value=""/> "
<input type="text" value="allowedMemberTypes"/>	],
<input type="text" value="allowedAccountTypes"/>	"displayName": "ContentReviewer",
	"id": "e1c2ade8-98f8-45fd-aa4a-6d24b512c22a",
	"isEnabled" : true,
	" <input type="text" value=""/> " : "ContentReviewer"
	}
	],

---

**Answer:**

---

```

"appRoles" : [
{
  " allowedMemberTypes " : [
  " User "
  ],
  "displayName": "ContentReviewer",
  "id": "e1c2ade8-98f8-45fd-aa4a-6d24b512c22a",
  "isEnabled" : true,
  " value " : "ContentReviewer"
}
],

```

Explanation:

Box 1: allowedMemberTypes

allowedMemberTypes specifies whether this app role definition can be assigned to users and groups by setting to "User", or to other applications (that are accessing this application in daemon service scenarios) by setting to "Application", or to both.

Note: The following example shows the appRoles that you can assign to users.

```
"appId": "8763f1c4-f988-489c-a51e-158e9ef97d6a",
```

```
"appRoles": [
```

```
{
```

```
"allowedMemberTypes": [
```

```
  "User"
```

```
],
```

```
"displayName": "Writer",
```

```
"id": "d1c2ade8-98f8-45fd-aa4a-6d06b947c66f",
"isEnabled": true,
"description": "Writers Have the ability to create tasks.",
"value": "Writer"
}
],
"availableToOtherTenants": false,
```

Box 2: User

Scenario: In order to review content a user must be part of a ContentReviewer role.

Box 3: value

value specifies the value which will be included in the roles claim in authentication and access tokens.

Reference:

<https://docs.microsoft.com/en-us/graph/api/resources/approle>

**Question: 8**

HOTSPOT

You need to correct the VM issues.

Which tools should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Issue	Tool
Backup and Restore	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span style="flex-grow: 1;"> </span> <span>▼</span> </div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Azure Site Recovery</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Azure Backup</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Azure Data Box</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Azure Migrate</div> </div>
Performance	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span style="flex-grow: 1;"> </span> <span>▼</span> </div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Azure Network Watcher</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Azure Traffic Manager</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">ExpressRoute</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Accelerated Networking</div> </div>

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**Answer:**

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Issue	Tool
Backup and Restore	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span></span> <span>▼</span> </div> <div style="padding: 2px;"> <p>Azure Site Recovery</p> <p style="background-color: #d0d0d0;">Azure Backup</p> <p>Azure Data Box</p> <p>Azure Migrate</p> </div> </div>
Performance	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span></span> <span>▼</span> </div> <div style="padding: 2px;"> <p>Azure Network Watcher</p> <p>Azure Traffic Manager</p> <p>ExpressRoute</p> <p style="background-color: #d0d0d0;">Accelerated Networking</p> </div> </div>

Explanation:

Backup and Restore: Azure Backup

Scenario: The VM is critical and has not been backed up in the past. The VM must enable a quick restore from a 7-day snapshot to include in-place restore of disks in case of failure.

In-Place restore of disks in IaaS VMs is a feature of Azure Backup.

Performance: Accelerated Networking

Scenario: The VM shows high network latency, jitter, and high CPU utilization.

Accelerated networking enables single root I/O virtualization (SR-IOV) to a VM, greatly improving its networking performance. This high-performance path bypasses the host from the datapath, reducing latency, jitter, and CPU utilization, for use with the most demanding network workloads on supported VM types.

References:

<https://azure.microsoft.com/en-us/blog/an-easy-way-to-bring-back-your-azure-vm-with-in-place-restore/>

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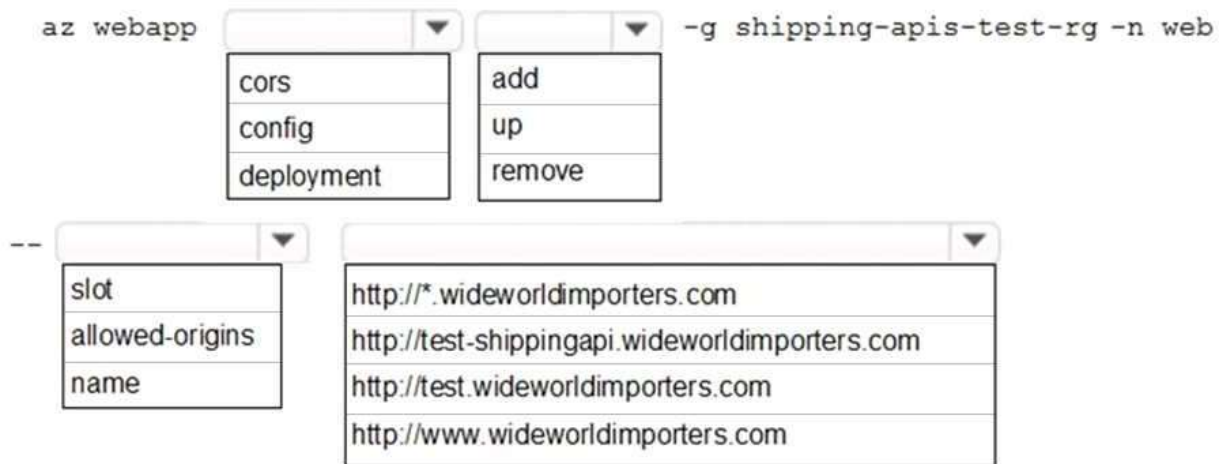
### Question: 9

HOTSPOT

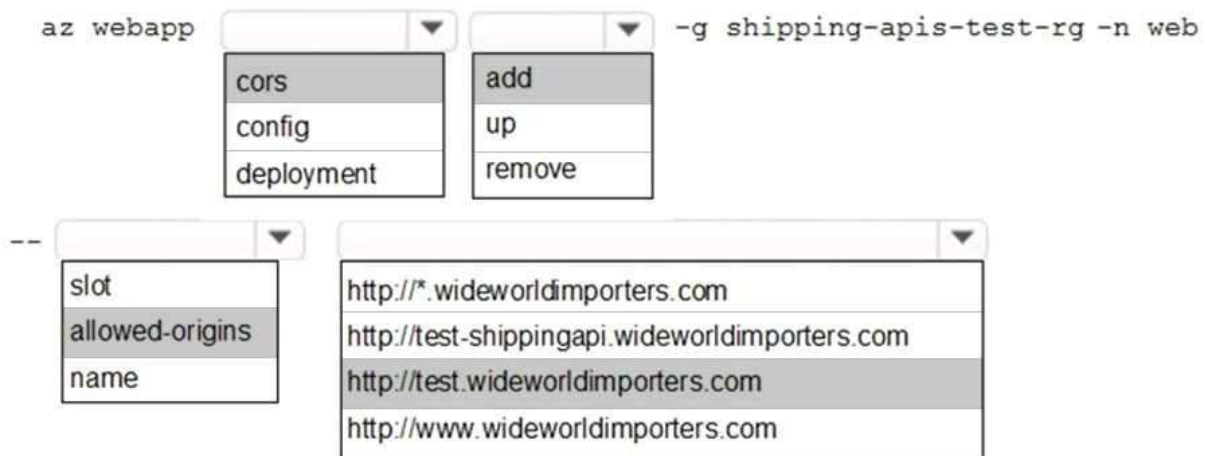
You need to update the APIs to resolve the testing error.

How should you complete the Azure CLI command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



**Answer:**



Explanation:

Enable Cross-Origin Resource Sharing (CORS) on your Azure App Service Web App.

Enter the full URL of the site you want to allow to access your WEB API or \* to allow all domains.

Box 1: cors

Box 2: add

Box 3: allowed-origins

Box 4: <http://testwideworldimporters.com/>

References:

<http://donovanbrown.com/post/How-to-clear-No-Access-Control-Allow-Origin-header-error-with-Azure-App-Service>

### Question: 10

You need to configure the ContentUploadService deployment.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Add the following markup to line CS23:

types: Private

B. Add the following markup to line CS24:

osType: Windows

C. Add the following markup to line CS24:

osType: Linux

D. Add the following markup to line CS23:

types: Public

---

**Answer: A**

---

Explanation:

Scenario: All Internal services must only be accessible from Internal Virtual Networks (VNets)

There are three Network Location types – Private, Public and Domain

Reference:

<https://devblogs.microsoft.com/powershell/setting-network-location-to-private/>

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