

Exam Ref AZ-203 Developing Solutions for Microsoft Azure

List of URLs

Chapter 1: Develop Azure Infrastructure as a Service Compute Solution

<https://management.core.windows.net/>

<https://management.azure.com/>

<https://login.windows.net/>

<https://graph.windows.net/>

<https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#>,

<https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#>

<https://schema.management.azure.com/>

[schemas/2018-05-01/subscriptionDeploymentTemplate.json#](https://schema.management.azure.com/schemas/2018-05-01/subscriptionDeploymentTemplate.json#)

<https://schema.management.azure.com/schemas/2015-01-01/deploymentParameters.json#>,

https://<batch_account_name>.<region>.batch.azure.com

<http://portal.azure.com>

<https://shell.azure.com>

[http://\\$SP_NAME](http://$SP_NAME)

<https://support.microsoft.com/en-us/help/2721672/>

[microsoft-server-software-support-for-microsoft-azure-virtual-machines](https://support.microsoft.com/en-us/help/2721672/microsoft-server-software-support-for-microsoft-azure-virtual-machines)

<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/endorsed-distros>

[https://docs.microsoft.com/en-us/azure/active-directory/develop/](https://docs.microsoft.com/en-us/azure/active-directory/develop/howto-create-service-principal-portal)

[howto-create-service-principal-portal](https://docs.microsoft.com/en-us/azure/active-directory/develop/howto-create-service-principal-portal)

<https://docs.microsoft.com/en-us/azure/templates/>

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/>

[resource-group-template-functions](https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-template-functions)

<https://docs.microsoft.com/en-us/azure/key-vault/>

<https://docs.microsoft.com/en-us/azure/batch/batch-automatic-scaling>

<https://github.com/Azure/azure-powershell/blob/master/documentation/announcing-az-module.md>
<https://github.com/Azure/aks-engine>
https://docs.docker.com/develop/develop-images/dockerfile_best-practices/
<https://docs.microsoft.com/en-us/azure/aks/tutorial-kubernetes-prepare-app>

Chapter 2: Develop Azure Platform as a Service compute solution

https://<your_app_service_name>.azurewebsites.net
<http://portal.azure.com>
<https://appcenter.ms>
<https://app.contoso.com/>
<https://images.contoso.com>
<https://api.contoso.com>
<https://webapp.contoso.com>
<http://localhost:5000/swagger>
http://<your_function_app>.azurewebsites.net/api/<your_function_name>
http://<your_function_app_name>.azurewebsites.net/admin/host/status
http://<your_function_app_name>.azurewebsites.net/api/<your_function_name>
http://<your_function_app_name>.azurewebsites.net/api/devices/{id:int?}
<https://www.asp.net/web-api/overview/web-api-routing-and-actions/attribute-routing-in-web-api-2#constraints>
<http://localhost:7071/runtime/webhooks/durabletask/>
<http://localhost:7071/runtime/webhooks/durabletask/instances/789e7eb945a04ab78e74e9216870af28/raiseEvent/{eventName}?taskHub=DurableFunctionsHub&connection=Storage&code=AZNSvCSecl4w0RIRzPxLqbey1uJlThcwRE42UNuJavVlozMJhrNOzw==>
<http://localhost:7071/runtime/webhooks/durabletask/instances/789e7eb945a04ab78e74e9216870af28/terminate?reason={text}&taskHub=DurableFunctionsHub&connection=Storage&code=AZNSvCSecl4w0RIRzPxLqbey1uJlThcwRE42UNuJavVlozMJhrNOzw==>
<http://localhost:7071/runtime/webhooks/durabletask/instances/789e7eb945a04ab78e74e9216870af28/rewind?reason={text}&taskHub=DurableFunctionsHub&connection=Storage&code=AZNSvCSecl4w0RIRzPxLqbey1uJlThcwRE42UNuJavVlozMJhrNOzw==>
<http://localhost:7071/runtime/webhooks/durabletask/instances/789e7eb945a04ab78e74e9216870af28?taskHub=DurableFunctionsHub&connection=Storage&code=AZNSvCSecl4w0RIRzPxLqbey1uJlThcwRE42UNuJavVlozMJhrNOzw==>
<http://localhost:7071/api/orchestrators/OrchestratorFunction>
<https://docs.microsoft.com/en-us/azure/azure-functions/durable/durable-functions-concepts>

<https://github.com/projectkudu/kudu/wiki>
[https://docs.microsoft.com/en-us/azure/azure-functions/
functions-compare-logic-apps-ms-flow-webjobs](https://docs.microsoft.com/en-us/azure/azure-functions/functions-compare-logic-apps-ms-flow-webjobs)
[https://docs.microsoft.com/en-us/azure/azure-functions/
functions-bindings-timer#cron-expressions](https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-timer#cron-expressions)
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-storage-queue>
<https://docs.microsoft.com/en-us/azure/app-service/webjobs-sdk-how-to>
<https://docs.microsoft.com/en-us/azure/app-service/webjobs-sdk-get-started>
[https://docs.microsoft.com/en-us/azure/notification-hubs/
notifica-tion-hubs-ios-apple-push-notification-apns-get-started](https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-ios-apple-push-notification-apns-get-started)
[https://docs.microsoft.com/en-us/azure/notification-hubs/
notifica-tion-hubs-android-push-notification-google-fcm-get-started](https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-android-push-notification-google-fcm-get-started)
[https://docs.microsoft.com/en-us/azure/notification-hubs/
notifica-tion-hubs-windows-store-dotnet-get-started-wns-push-notification](https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-windows-store-dotnet-get-started-wns-push-notification)
[https://docs.microsoft.com/en-us/azure/app-service/
app-service-web-tutorial-auth-aad#configure-auth](https://docs.microsoft.com/en-us/azure/app-service/app-service-web-tutorial-auth-aad#configure-auth)
[https://swagger.io/tools/open-source/open-source-integrations/?_
ga=2.264932431.1729815966.1553285867-1363801429.1553285867](https://swagger.io/tools/open-source/open-source-integrations/?_ga=2.264932431.1729815966.1553285867-1363801429.1553285867)
[https://docs.microsoft.com/en-us/azure/azure-functions/
functions-triggers-bindings#supported-bindings](https://docs.microsoft.com/en-us/azure/azure-functions/functions-triggers-bindings#supported-bindings)
[https://docs.microsoft.com/en-us/azure/azure-functions/
install-update-binding-extensions-manual](https://docs.microsoft.com/en-us/azure/azure-functions/install-update-binding-extensions-manual)
[https://docs.microsoft.com/en-us/azure/azure-functions/
functions-bindings-expressions-patterns](https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-expressions-patterns)
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-versions>
[https://docs.microsoft.com/en-us/azure/azure-functions/
functions-bindings-http-webhook#trigger---hostjson-properties](https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-http-webhook#trigger---hostjson-properties)
<https://docs.microsoft.com/en-us/azure/azure-functions/durable/durable-functions-concepts>

Chapter 3: Develop for Azure storage

<https://docs.microsoft.com/en-us/dotnet/standard/design-guidelines/naming-guidelines>
<http://portal.azure.com>)
[https://az203storagedemo.table.core.windows.net/tables?sv=2018-03-28&ss=bfqt&srt=sco&
p=rwdlacup&se=2019-04-02T22:32:20Z&st=2019-04-02T14:32:20Z&spr=https&sig=ZnM
BIFxnmdOEyu%2FQJLQyYs1npP65o0No2u1KbrsGfd4%3D](https://az203storagedemo.table.core.windows.net/tables?sv=2018-03-28&ss=bfqt&srt=sco&sp=rwdlacup&se=2019-04-02T22:32:20Z&st=2019-04-02T14:32:20Z&spr=https&sig=ZnMBIFxnmdOEyu%2FQJLQyYs1npP65o0No2u1KbrsGfd4%3D)
<https://docs.microsoft.com/en-us/azure/storage/common/storage-use-azcopy>
<https://github.com/Hashnode/mern-starter.git>

<http://localhost:8000>
<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.storage.blob.blobcontainerproperties>
<https://docs.microsoft.com/en-us/rest/api/storageservices/understanding-the-table-service-data-model>
<https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-design-guide#table-design-patterns>
<https://docs.microsoft.com/en-us/azure/cosmos-db/local-emulator>
<https://docs.microsoft.com/en-us/azure/cosmos-db/sql-api-query-reference>
<https://docs.microsoft.com/en-us/azure/cosmos-db/create-graph-dotnet>
<https://docs.microsoft.com/en-us/azure/cosmos-db/create-cassandra-dotnet>
<https://azure.microsoft.com/en-us/resources/videos/azure-documentdb-elastic-scale-partitioning/>
<https://docs.microsoft.com/en-us/azure/cosmos-db/how-to-custom-synchronization>
<https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels-tradeoffs>
<https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels-across-apis>
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-features>
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-purchase-models>
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-long-term-retention>
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-recovery-using-backups>
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-dtu-resource-limits-elastic-pools>
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-vc-core-resource-limits-elastic-pools>
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-security-tutorial>
<https://blogs.msdn.microsoft.com/windowsazurestorage/2012/06/12/introducing-asynchronous-cross-account-copy-blob/>
<https://docs.microsoft.com/en-us/rest/api/storageservices/lease-blob>
<https://docs.microsoft.com/en-us/rest/api/storageservices/lease-container>
<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>
<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-lifecycle-management-concepts>

Chapter 4: Implement Azure security

<https://developers.google.com/identity/sign-in/web/devconsole-project>
<https://localhost:44397/signin-google>
<http://portal.azure.com>
<https://github.com/Azure-Samples/active-directory-dotnet-iwa-v2.git>
<https://portal.azure.com>
<https://localhost:44317>
<https://localhost:44317/Home/SignIn>
<https://localhost:44317/Manage>
<http://www.w3.org/1999/xhtml>
<https://docs.microsoft.com/en-in/azure/app-service/app-service-web-get-started-dotnet>
[https://{keyVaultName}.vault.azure.net/secrets/{secretName}"\).GetAwaiter\(\).GetResult\(\);](https://{keyVaultName}.vault.azure.net/secrets/{secretName})
<https://docs.microsoft.com/en-us/azure/key-vault/quick-create-portal>
<http://schemas.microsoft.com/claims/authnmethodsreferences>
<https://docs.microsoft.com/aspnet/core>
<https://github.com/Azure-Samples/microsoft-identity-platform-aspnetcore-webapp-tutorial.git>
<https://localhost:44321/signing-oidc>
<https://localhost:44321/signout-callback-oidc>
<http://schemas.microsoft.com/ws/2008/06/identity/claims/role>
<https://{keyVaultName}.vault.azure.net>
<https://{keyvault-name}.vault.azure.net/{object-type}/{object-name}/{object-version}>
<https://devblogs.microsoft.com/aspnet/customizing-profile-information-in-asp-net-identity-in-vs-2013-templates/>
<https://docs.microsoft.com/en-us/aspnet/core/security/authentication/add-user-data>
<https://docs.microsoft.com/en-us/aspnet/aspnet/overview/owin-and-katana/an-overview-of-project-katana>
<https://docs.microsoft.com/en-us/azure/app-service/app-service-web-configure-tls-mutual-auth>
<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-hybrid-identity>
<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-fed-what-is>
<https://docs.microsoft.com/en-us/azure/active-directory/develop/reference-v2-libraries>
<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview>
<https://tools.ietf.org/html/rfc6749>
<https://docs.microsoft.com/en-us/aspnet/aspnet/overview/owin-and-katana/owin-oauth-20-authorization-server>

<https://docs.microsoft.com/en-us/aspnet/core/security/authorization/claims>
<https://docs.microsoft.com/en-us/aspnet/core/security/authorization/policies>
<https://docs.microsoft.com/en-us/azure/security/azure-security-encryption-atrest>
<https://docs.microsoft.com/en-us/azure/security/security-azure-encryption-overview>
<https://docs.microsoft.com/en-us/azure/key-vault/about-keys-secrets-and-certificates>

Chapter 5: Monitor, troubleshoot, and optimize Azure solutions

<https://portal.azure.com>
https://<your_endpoint's_name>.azureedge.net
<https://app.contoso.com>
<https://visualstudio.microsoft.com/free-developer-offers/>
<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-best-practices>
[https://docs.microsoft.com/en-us/azure/architecture/best-practices/
auto-scaling#related-patterns-and-guidance](https://docs.microsoft.com/en-us/azure/architecture/best-practices/auto-scaling#related-patterns-and-guidance)
<https://docs.microsoft.com/en-us/azure/architecture/best-practices/transient-faults>
[https://docs.microsoft.com/en-us/aspnet/aspnet/overview/developing-apps-
with-windows-azure/building-real-world-cloud-apps-with-windows-azure/
transient-fault-handling](https://docs.microsoft.com/en-us/aspnet/aspnet/overview/developing-apps-with-windows-azure/building-real-world-cloud-apps-with-windows-azure/transient-fault-handling)
<https://docs.microsoft.com/en-us/azure/architecture/patterns/retry>
<https://docs.microsoft.com/en-us/azure/architecture/patterns/circuit-breaker>
<https://stackexchange.github.io/StackExchange.Redis/Basics>
<https://stackexchange.github.io/StackExchange.Redis/Transactions>
<https://stackexchange.github.io/StackExchange.Redis/KeysValues>
<https://docs.microsoft.com/en-us/azure/cdn/cdn-how-caching-works>
<https://docs.microsoft.com/en-us/azure/azure-monitor/app/api-custom-events-metrics>
<https://docs.microsoft.com/en-us/azure/kusto/query/>
<https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/query-language>
<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-log>

Chapter 6: Connect to and consume Azure services and third-party services

<https://portal.azure.com>)
[https://docs.microsoft.com/en-us/azure/devops/user-guide/
sign-up-invite-teammates?view=azure-devops](https://docs.microsoft.com/en-us/azure/devops/user-guide/sign-up-invite-teammates?view=azure-devops)

<https://docs.microsoft.com/en-us/azure/devops/organizations/projects/create-project?view=azure-devops>
<https://github.com/MicrosoftDocs/pipelines-dotnet-core>,
<https://github.com/join>
<https://dev.azure.com>)
<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-signup>
https://procsi.blob.core.windows.net/docs/SentimentDemo.openapi_definition.json
<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-quickstart-blobs-portal>
<https://aka.ms/download-azure-logic-apps-tools-visual-studio-2019>
<https://www.getpostman.com>.)
[https://\[service name\].search.windows.net/indexes/\[index name\]?api-version=2019-05-06](https://[service name].search.windows.net/indexes/[index name]?api-version=2019-05-06)
<https://azure.microsoft.com/en-us/resources/samples/azure-search-sample-data/>
<https://conferenceapi.azurewebsites.net/?format=json>
<https://fakerestartapi.azurewebsites.net>
https://<your_APIM_name>.developer.azure-api.net/
https://<Your_EventGrid_Topic>.<region_name>-1.eventgrid.azure.net/api/events
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-develop-vs#publish-to-azure>
https://<your_azure_function_plan>.azurewebsites.net/api/<your_azure_function_name>
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-compare-logic-apps-ms-flow-webjobs>
<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-control-flow-conditional-statement>
<https://docs.microsoft.com/en-us/connectors/custom-connectors/>
<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-create-deploy-template>
<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-create-deploy-azure-resource-manager-templates>
<https://docs.microsoft.com/en-in/azure/search/search-what-is-an-index>
<https://docs.microsoft.com/en-in/azure/search/search-get-started-dotnet>
<https://azure.microsoft.com/en-us/resources/samples/azure-search-sample-data/>
<https://docs.microsoft.com/en-in/azure/search/search-what-is-data-import>
<https://docs.microsoft.com/en-in/azure/search/search-indexer-overview>
<https://docs.microsoft.com/en-us/rest/api/searchservice/Indexer-operations>
<https://docs.microsoft.com/en-in/azure/search/cognitive-search-attach-cognitive-services>
<https://docs.microsoft.com/en-in/azure/search/search-lucene-query-architecture>

<https://docs.microsoft.com/en-in/azure/search/search-query-simple-examples>
<https://docs.microsoft.com/en-in/azure/search/search-query-lucene-examples>
<https://azure.microsoft.com/en-us/pricing/details/api-management/>
<https://docs.microsoft.com/en-us/azure/api-management/api-management-customize-styles>
<https://azure.microsoft.com/es-es/blog/versions-revisions/>
[https://docs.microsoft.com/en-us/azure/api-management/
api-management-access-restriction-policies#RestrictCallerIPs](https://docs.microsoft.com/en-us/azure/api-management/api-management-access-restriction-policies#RestrictCallerIPs)
[https://docs.microsoft.com/en-us/azure/api-management/
api-management-howto-protect-backend-with-aad](https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad)
[https://docs.microsoft.com/en-us/azure/api-management/
api-management-howto-mutual-certificates](https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-mutual-certificates)
[https://docs.microsoft.com/en-us/azure/api-management/
api-management-error-handling-policies](https://docs.microsoft.com/en-us/azure/api-management/api-management-error-handling-policies)
<https://docs.microsoft.com/en-us/azure/api-management/set-edit-policies>
[https://docs.microsoft.com/es-es/azure/api-management/
api-management-howto-api-inspector](https://docs.microsoft.com/es-es/azure/api-management/api-management-howto-api-inspector)
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-monitoring>
<https://docs.microsoft.com/en-us/azure/event-grid/manage-event-delivery>
[https://docs.microsoft.com/en-us/azure/notification-hubs/
notification-hubs-enterprise-push-notification-architecture](https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-enterprise-push-notification-architecture)
[https://docs.microsoft.com/en-us/azure/storage/blobs/
storage-quickstart-blobs-portal#create-a-container](https://docs.microsoft.com/en-us/azure/storage/blobs/storage-quickstart-blobs-portal#create-a-container)
[https://docs.microsoft.com/en-us/azure/storage/common/
storage-account-manage#access-keys](https://docs.microsoft.com/en-us/azure/storage/common/storage-account-manage#access-keys)
<https://docs.microsoft.com/en-in/azure/event-hubs/event-hubs-features>
[https://docs.microsoft.com/en-us/azure/service-bus-messaging/
service-bus-queues-topics-subscriptions](https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-queues-topics-subscriptions)
[https://docs.microsoft.com/en-us/azure/service-bus-messaging/
service-bus-performance-improvements](https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-performance-improvements)
<https://docs.microsoft.com/en-us/azure/service-bus-messaging/topic-filters>
[https://docs.microsoft.com/en-us/azure/service-bus-messaging/
service-bus-azure-and-service-bus-queues-compared-contrasted](https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-azure-and-service-bus-queues-compared-contrasted)
[https://docs.microsoft.com/en-us/learn/modules/
communicate-between-apps-with-azure-queue-storage/](https://docs.microsoft.com/en-us/learn/modules/communicate-between-apps-with-azure-queue-storage/)