AZ 204 study schedule

Domain	Topic	Skill	Pluralsight	Time	Microsoft Learn	Time	Total time (x2)	Week
Develop Azure Compute Solutions (25-30%)	Implement IaaS solutions	Provision VMs	https://app.pluralsight.com/library/courses/microsoft-azure-developer-implement-iaas-solutions	1h 48m	https://docs.microsoft.com/en-us/learn/paths/deploy-a-website-with-azure-virtual-machines/	4h 6m	11h 48m	
		Configure, validate, and deploy ARM templates						
		Configure container images for solutions						
		Publish an image to the Azure Container Registry						
		Run containers by using Azure Container Instance						23 May 2021
	Create Azure App Service Web Apps	Create an Azure App Service Web App	https://app.pluralsight.com/library/courses/azure-developer-create-azure-app-service-web-apps	1h 1m	https://docs.microsoft.com/en-us/learn/paths/deploy-a-website-with-azure-app-service/	4h 3m	10h 8m	
		Enable diagnostics logging						
		Deploy code to a web app						
		Configure web app settings including SSL, API settings, and connection strings						
		Implement autoscaling rules including scheduled autoscaling and autoscaling by operational or system metrics						30 May 2021
	Implement Azure Functions	Create and deploy Azure Functions apps	https://app.pluralsight.com/library/courses/microsoft-azure-developer-implement-azure-functions	0h 46m	https://docs.microsoft.com/en-us/learn/paths/create-serverless-applications/	8h 11m	17h 54m	
		Implement input and output bindings for a function						
		Implement function triggers by using data operations, timers, and web hooks						
		Implement Azure Durable Functions						
		Implement custom handlers						6 Jun 2021
Develop for Azure Storage (15-20%)	Develop solutions that use Cosmos DB storage	Select the appropriate API and SDK for a solution	https://app.pluralsight.com/library/courses/microsoft-azure-developer-develop-solutions-cosmos-db-storage	1h 8m	https://docs.microsoft.com/en-us/learn/paths/store-data-in-azure/ Modules 1 - 4	2h 50m	20h 2m	
		Implement partitioning schemes and partition keys						
		Perform operations on data and Cosmos DB containers						
		Set the appropriate consistency level for operations			Optional: https://docs.microsoft.com/en-us/learn/paths/work-with-nosql-data-in-azure-cosmos-db/	6h 3m		
		Manage change feed notifications						13 Jun 2021
RECAP / GLOBAL KNOWLEDGE COURSE								**20 Jun 2021**
	Develop solutions that use blob storage	Move items in Blob storage between storage accounts or containers	https://app.pluralsight.com/library/courses/microsoft-azure-developer-develop-solutions-blob-storage	1h 17m	https://docs.microsoft.com/en-us/learn/paths/store-data-in-azure/ Module 5	0h 50m	4h 14m	
		Set and retrieve properties and metadata						

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		Perform operations on data by using the appropriate SDK						
		Implement storage policies, and data archiving and retention						
Implement Azure Security (20-25%)	Implement user authentication and authorization	Authenticate and authorize users by using the Microsoft Identity platform	https://app.pluralsight.com/library/courses/microsoft-azure-developer-implement-user-authentication-authorization	1h 3m	https://docs.microsoft.com/en-us/learn/paths/secure-your-cloud-data/ Modules 1-3, 5, 6	3h 53m	13h 18m	27 Jun 2021
		Authenticate and authorize users and apps by using Azure Active Directory			Optional: https://docs.microsoft.com/en-us/learn/modules/authenticate-apps-with-managed-identities/	1h 6m		
		Create and implement shared access signatures			Optional: https://docs.microsoft.com/en-us/learn/modules/control-access-to-azure-storage-with-sas/	0h 37m		
	Implement secure cloud solutions	Secure app configuration data by using App Configuration Azure Key Vault	https://app.pluralsight.com/library/courses/microsoft-azure-developer-implement-secure-cloud-solutions	1h 6m	https://docs.microsoft.com/en-us/learn/modules/manage-secrets-with-azure-key-vault/	0h 46m	7h 12m	
		Develop code that uses keys, secrets, and certificates stored in Azure Key Vault			https://docs.microsoft.com/en-us/learn/modules/configure-and-manage-azure-key-vault/?ns-enrollment-type=LearningPath&ns-enrollment-id=learn.secure-your-cloud-data	0h 29m		4 Jul 2021
		Implement solutions that interact with Microsoft Graph			https://docs.microsoft.com/en-us/learn/paths/m365-msgraph-fundamentals/	1h 15m		
Monitor, troubleshoot, and optimise Azure solutions (15-20%)	Integrate caching and content delivery within solutions	Configure cache and expiration policies	https://app.pluralsight.com/library/courses/microsoft-azure-developer-integrate-caching-content-delivery	0h 47m	https://docs.microsoft.com/en-us/learn/modules/intro-to-azure-cache-for-redis/ https://docs.microsoft.com/en-us/learn/modules/optimize-your-web-apps-with-redis/	1h 27m	4h 28m	
		Configure cache and expiration policies for Azure Redis Cache						
		Implement secure and optimised application cache patterns including data sizing, connections, encryption, and expiration						
	Instrument solutions to support monitoring and logging	Configure an app or service to use Application Insights	https://app.pluralsight.com/library/courses/microsoft-azure-developer-instrument-solutions	0h 54m	https://docs.microsoft.com/en-us/learn/modules/capture-page-load-times-application-insights/	0h 45m	6h 48m	11 Jul 2021

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		Analyse and troubleshoot solutions by using Azure Monitor	solutions-monitoring-logging		https://docs.microsoft.com/en-us/learn/modules/monitor-performance-using-azure-monitor-for-vms/ https://docs.microsoft.com/en-us/learn/modules/design-monitoring-strategy-on-azure/	1h 45m		
		Implement Application Insights web tests and alerts						
Connect to and consume Azure services and third-party services (15-20%)	Implement API Management	Create an APIM instance	https://app.pluralsight.com/library/courses/microsoft-azure-developer-implement-api-management	0h 43m	https://docs.microsoft.com/en-us/learn/modules/publish-manage-apis-with-azure-api-management/	0h 38m	4h 32m	
		Configure authentication for APIs			https://docs.microsoft.com/en-us/learn/modules/control-authentication-with-apim/	0h 55m		
		Define policies for APIs						
	Develop event-based solutions	Implement solutions that use Azure Event Grid	https://app.pluralsight.com/library/courses/microsoft-azure-developer-develop-event-based-solutions	1h 7m	https://docs.microsoft.com/en-us/learn/paths/connect-your-services-together/	3h 31m	12h 24m	18 Jul 2021
		Implement solutions that use Azure Notification Hubs						
		Implement solutions that use Azure Event Hub						
		Import OpenAPI definitions			https://docs.microsoft.com/en-us/learn/modules/integrate-openapi-enabled-web-api-with-apim-and-visual-studio/	39m		
	Develop message-based solutions	Implement solutions that use Azure Service Bus	https://app.pluralsight.com/library/courses/microsoft-azure-developer-develop-message-based-solutions	0h 55m				
		Implement solutions that use Azure Queue Storage queues						25 Jul 2021