# Azure Functions Fundamentals Module 1

I maintain a repository of useful links about Azure Functions, including many how-tos, tutorials and several real-world examples of using Azure Functions.

The best place to access these links is here, as they are regularly updated:

<https://github.com/markheath/azure-functions-links>

Here’s the current list from the time of making this module:

**Official Docs**

* [Azure Functions Documentation](https://azure.microsoft.com/en-us/documentation/services/functions/)
* [All MSDN Azure Functions Docs](https://azure.microsoft.com/en-us/documentation/articles/?product=functions)

**Azure Functions on GitHub**

* [Azure Functions Releases](https://github.com/Azure/azure-webjobs-sdk-script/releases)
* [Azure/azure-webjobs-sdk-script (Azure Functions Runtime)](https://github.com/Azure/azure-webjobs-sdk-script)
* [Azure/azure-webjobs-templates (Azure Functions templates)](https://github.com/Azure/azure-webjobs-sdk-templates)
* [Azure/azure-functions (Documentation)](https://github.com/Azure/azure-functions)
* [Azure/azure-webjobs-sdk](https://github.com/azure/azure-webjobs-sdk)
* [Azure/azure-webjobs-sdk-extensions](https://github.com/Azure/azure-webjobs-sdk-extensions)
* [ProjectKudu/AzureFunctionsPortal](https://github.com/projectkudu/AzureFunctionsPortal)

**Asking Questions and Feature requests**

* [MSDN Forums](https://social.msdn.microsoft.com/Forums/azure/en-US/home?forum=AzureFunctions)
* [Stack Overflow Azure Functions Questions](http://stackoverflow.com/questions/tagged/azure-functions)
* [Feature requests](https://feedback.azure.com/forums/355860-azure-functions)

**Tools**

* [Azure Functions CLI](https://www.npmjs.com/package/azure-functions-cli)

**Azure Functions Team**

* Chris Anderson - [Twitter](https://twitter.com/crandycodes)
* Donna Malayeri - [Twitter](https://twitter.com/lindydonna)
* Yochay Kiriaty - [Twitter](https://twitter.com/yochayk)
* Chris Gillum - [Twitter](https://twitter.com/cgillum) - [Blog](http://cgillum.tech/)
* Mathew Charles - [Twitter](https://twitter.com/mathew_charles)
* Adrian Hall - [Twitter](https://twitter.com/FizzyInTheHall) - [Blog](https://shellmonger.com/)
* Matthew Henderson - [Twitter](https://twitter.com/mattchenderson)
* Ling Toh - [Twitter](https://twitter.com/ling_toh)

**Useful information**

* [How Azure functions pricing works](https://buildazure.com/2016/10/11/how-azure-functions-pricing-works/)
* Justin Yoo - [Azure Functions Deployment Strategies](https://blog.kloud.com.au/2016/09/04/azure-functions-deployment-strategies/)
* [Best Practices for Azure Functions](https://docs.microsoft.com/en-us/azure/azure-functions/functions-best-practices)

**Videos**

* Chris Anderson at Ignite 2016 - [Go Serverless for the enterprise with Azure Functions](https://www.youtube.com/watch?v=8x5sBBUP6pM)
* Chris Anderson at ServerlessConf London 2016 - [The Making of Azure Functions](https://www.youtube.com/watch?v=yJ9KnTw1kyc)
* Yochay Kiriaty at ServerlessConf London 2016 - [Real World Serverless Applications with Azure Functions](https://www.youtube.com/watch?v=Uu5bDYWhVtM)
* Yochay Kiriaty and Chris Anderson at ServerlessConf London 2016 - [Devops for Serverless Applications](https://www.youtube.com/watch?v=TlHXzZ16Z3Q)
* Chris Anderson on Azure Friday - [Azure Functions Integration](https://channel9.msdn.com/Shows/Azure-Friday/Azure-functions-integration?WT.mc_id=DX_MVP4025064)
* Chris Anderson on Azure Friday - [Triggering with Azure Functions](https://channel9.msdn.com/Shows/Azure-Friday/Triggering-with-Azure-Functions?WT.mc_id=DX_MVP4025064)
* Matthew Henderson at Build 2016 - [Azure Functions under the Hood](https://www.youtube.com/watch?v=uiqc0iWwAzw)
* Monsters Weekly Nov 2016 - [Episode 78 - Azure Functions with Chris Anderson](http://aspnetmonsters.com/2016/11/monsters-weekly%5Cep78/)

**Sample Code**

* [Official Functions samples](https://github.com/azure/azure-webjobs-sdk-script-samples)
* [Azure Functions and Azure Media Services](https://github.com/Azure-Samples/media-services-dotnet-functions-integration)
* [Deploy from ARM Template](https://github.com/davidebbo-test/FunctionsSamples)
* [Various Azure Functions Samples](https://github.com/guitarrapc/AzureFunctionsIntroduction)

**How-Tos**

* Chris Anderson - [Deploy Azure Functions with PowerShell](http://stackoverflow.com/questions/36730898/deploy-to-azure-functions-using-powershell/36731134#36731134)
* Mathew Charles - [Trigger a function on a ServiceBus Topic Subscription](http://stackoverflow.com/a/36722329)
* Adrian Hall - [Create and debug Azure Functions Locally](https://shellmonger.com/2016/10/31/creating-and-debugging-azure-functions-locally/)
* Mathew Charles - [Controlling concurrent queue processors](http://stackoverflow.com/a/40096267)
* Tamizhvendan S [Use Sauve and F# with Azure Functions](http://blog.tamizhvendan.in/blog/2016/09/19/scale-up-azure-functions-in-f-number-using-suave/)
* David Ebbo - [Access a Classic Storage Account from an Azure Function](http://stackoverflow.com/a/37365811)
* Fabio Cavalcante - [Use a private NuGet repository](http://stackoverflow.com/a/39536289)
* Justin Yoo - [Unit Testing Locally with ScriptCS](https://blog.kloud.com.au/2016/09/05/testing-azure-functions-in-emulated-environment-with-scriptcs/) using [ScriptCS.AzureFunctions Nuget package](https://www.nuget.org/packages/ScriptCs.AzureFunctions)
* Greg Shackles - [Get Started with Azure Functions and F#](http://gregshackles.com/getting-started-with-azure-functions-and-f/)
* Jason Roberts - [Calling Azure Functions from Microsoft Flow](http://dontcodetired.com/blog/post/Serverless-Computing-and-Workflows-with-Azure-Functions-and-Microsoft-Flow)
* Mathew Charles - [Customize Deployment Process](http://stackoverflow.com/a/40532400/7532)
* Mark Heath - [View Azure Functions Error Logs](http://markheath.net/post/three-ways-view-error-logs-azure-functions)
* James Chambers - [How to Organize Types in Your Scripts](http://jameschambers.com/2016/11/How-to-organize-types-in-your-scripts/)
* James Chambers - [How to Deploy Azure Functions from GitHub](http://jameschambers.com/2016/11/deploy-functions-from-github/)
* Mark Heath - [Binding to Blobs in Azure Functions with F#](http://markheath.net/post/using-blobs-in-azure-functions-with-fsharp)

**Real World Use Cases**

* Troy Hunt - [Azure Functions in Practice](https://www.troyhunt.com/azure-functions-in-practice/) - Calling cloudflare (Queue Trigger, C#)
* François Boucher - [How I use Azure Logic App, API App and Function App](http://www.frankysnotes.com/2016/10/how-i-use-azure-app-api-app-and.html) (OneDrive, Blobs, LogicApp, C# Webhook)
* Greg Shackles - [Creating Slack Slash Commands with Azure Functions](https://gregshackles.com/creating-slack-slash-commands-with-azure-functions/) (Webhook, F#)
* Sean Feldman - [Azure Functions to make audit queue and auditors happy](https://weblogs.asp.net/sfeldman/azure-functions-to-make-audit-queue-and-auditors-happy) (C#, Queue Trigger, Blob Output)
* Rene Modery - [Using Azure Functions to receive daily Website Updates via Email](http://modery.net/using-azure-functions-to-receive-daily-website-updates-via-email/) (Daily timer, SendGrid, C#)
* Jason Roberts - [Sending a Regular SMS with Azure Functions and Twilio](http://dontcodetired.com/blog/post/Sending-a-Regular-SMS-with-Azure-Functions-and-Twilio) (Timer trigger, Twilio output)
* James Montemagno - [NanoServices for Mobile Apps with Azure Functions](https://blog.xamarin.com/nano-services-for-mobile-apps-with-azure-functions/) (blob trigger, mobile table output)
* Steve Lee - [Using reactive streams on serverless with cyclejs, xstream and Azure Functions](http://opendirective.net/blog/2016/10/exploring-reactive-streams-with-serverless-xstream-cyclejs-and-azure-functions/?platform=hootsuite) (reactive programming, javascript)
* Jeff Branch (Channel 9) - [Transcribing Audio to Text with Azure Functions and Cognitive Services](https://channel9.msdn.com/Blogs/MTC-After-Hours/Transcribing-Audio-to-Text-With-Azure-Functions-and-Cognitive-Services) (10 min video C#, DocumentDB out, cognitive services, blob storage)
* Mark Heath - [Handling Payment Webhooks with Azure Functions](http://markheath.net/post/payment-webhooks-azure-functions) (C#, webhooks, queues)
* Mark Heath - [Sending Randomly Scheduled Tweets with Azure Functions](http://markheath.net/post/randomly-scheduled-tweets-azure-functions) (C#, timer)
* Alexandre Verkinderen - [Retrieve Azure AAD user information with Azure Functions and publish it into PowerBI](http://www.mscloud.be/retrieve-azure-aad-user-information-with-azure-functions-and-publish-it-into-powerbi/) (Timer trigger, PowerShell)
* John Lui - [Build your PnP Site Provisioning with PowerShell in Azure Functions and run it from Flow](http://johnliu.net/blog/2016/11/build-your-pnp-site-provisioning-with-powershell-in-azure-functions-and-run-it-from-flow) (PowerShell, SharePoint, Flow)
* David O'Brien - [Hey Slack, where’s my flight?](https://blogs.msdn.microsoft.com/mvpawardprogram/2016/11/08/hey-slack-wheres-my-flight/) (PowerShell, Slack)
* Armin Reiter - [Using PowerShell to read RSS feed and write to Table Storage](https://codehollow.com/2016/11/working-azure-functions-part-1-powershell/) (Powershell, timer trigger, Table Storage)
* Armin Reiter - [Generating iCal files from meetup API](https://codehollow.com/2016/11/working-with-azure-functions-part-2-c) (HTTP Trigger, NuGet)
* James Chambers - [How to Resize Images Uploaded to Blob Storage with Azure Functions](http://jameschambers.com/2016/11/Resizing-Images-Using-Azure-Functions/) (C#, Blob Storage, Using NuGet)