




Alexa on Azure

Practical use cases for getting started with Azure Functions

Thomas Pentenrieder, Sebastian Jensen | medialesson GmbH

 Thank you, sponsors!

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Thomas Pentenrieder

Consultant

pentenrieder@medialesson.de

 @th_p



Sebastian Jensen

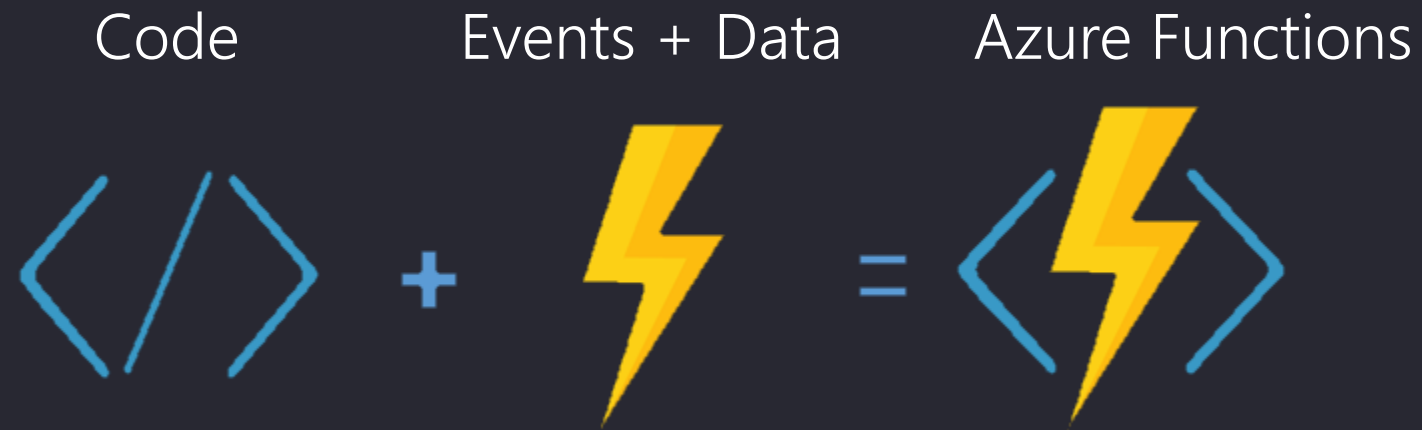
Developer

jensen@medialesson.de



@tsjdevapps

What are Azure Functions?



Some Benefits



Abstraction
of Servers



Sub-second
billing



Speed &
Availability



Instant
Scale



Focus on
Logic

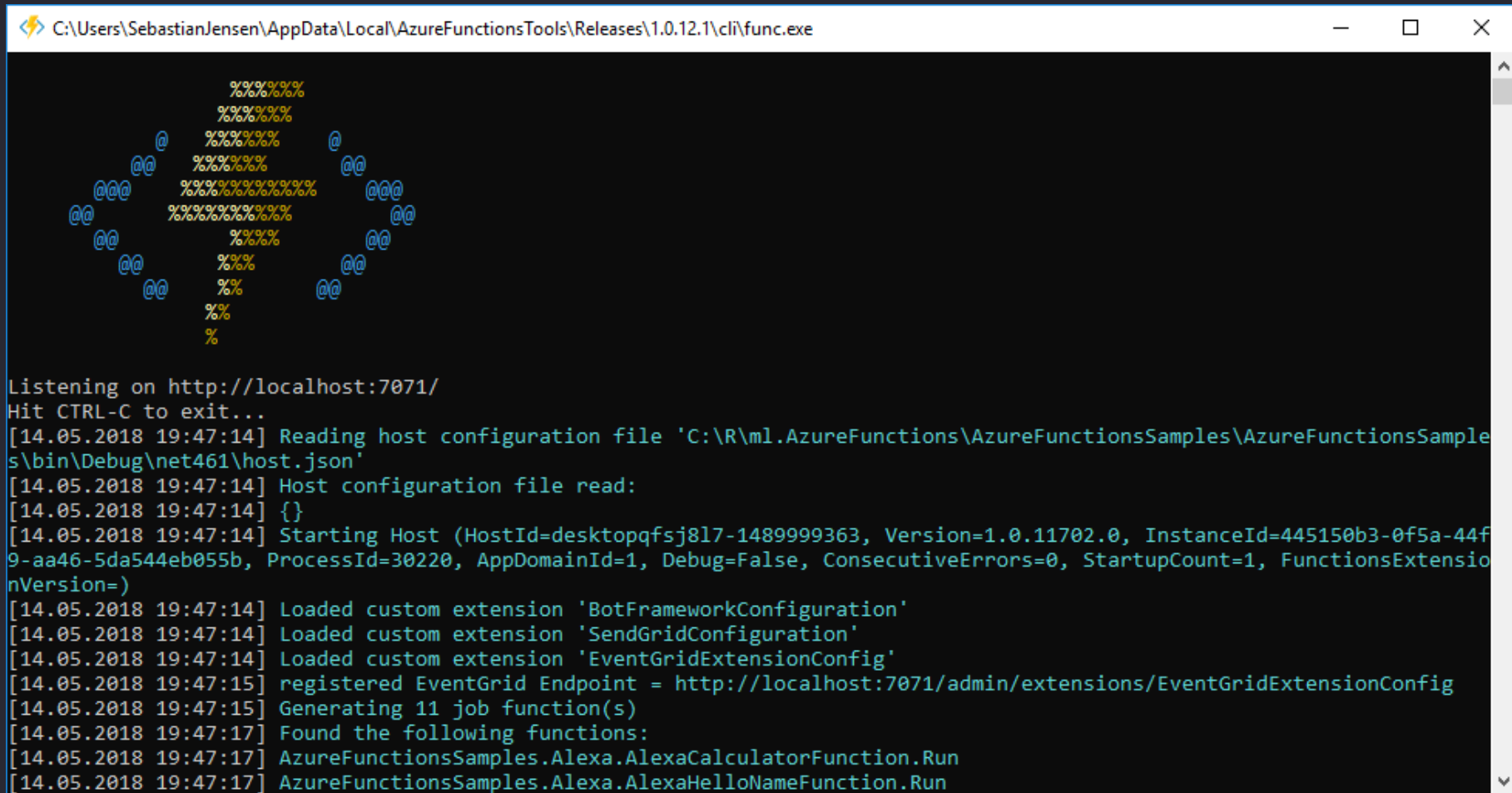


Different
Languages

Language Support



Local Testing



```
C:\Users\SebastianJensen\AppData\Local\AzureFunctionsTools\Releases\1.0.12.1\cli\func.exe

  ____      _
 / ___|  __| | | |
 \___ \  | | | | | |
  ___) | | | | | | |
 |____|_|_|_|_|_|_|_|

Listening on http://localhost:7071/
Hit CTRL-C to exit...
[14.05.2018 19:47:14] Reading host configuration file 'C:\R\ml.AzureFunctions\AzureFunctionsSamples\AzureFunctionsSample
s\bin\Debug\net461\host.json'
[14.05.2018 19:47:14] Host configuration file read:
[14.05.2018 19:47:14] {}
[14.05.2018 19:47:14] Starting Host (HostId=desktopqfjsj8l7-1489999363, Version=1.0.11702.0, InstanceId=445150b3-0f5a-44f
9-aa46-5da544eb055b, ProcessId=30220, AppDomainId=1, Debug=False, ConsecutiveErrors=0, StartupCount=1, FunctionsExtensio
nVersion=)
[14.05.2018 19:47:14] Loaded custom extension 'BotFrameworkConfiguration'
[14.05.2018 19:47:14] Loaded custom extension 'SendGridConfiguration'
[14.05.2018 19:47:14] Loaded custom extension 'EventGridExtensionConfig'
[14.05.2018 19:47:15] registered EventGrid Endpoint = http://localhost:7071/admin/extensions/EventGridExtensionConfig
[14.05.2018 19:47:15] Generating 11 job function(s)
[14.05.2018 19:47:17] Found the following functions:
[14.05.2018 19:47:17] AzureFunctionsSamples.Alexa.AlexaCalculatorFunction.Run
[14.05.2018 19:47:17] AzureFunctionsSamples.Alexa.AlexaHelloNameFunction.Run
```


Local Testing

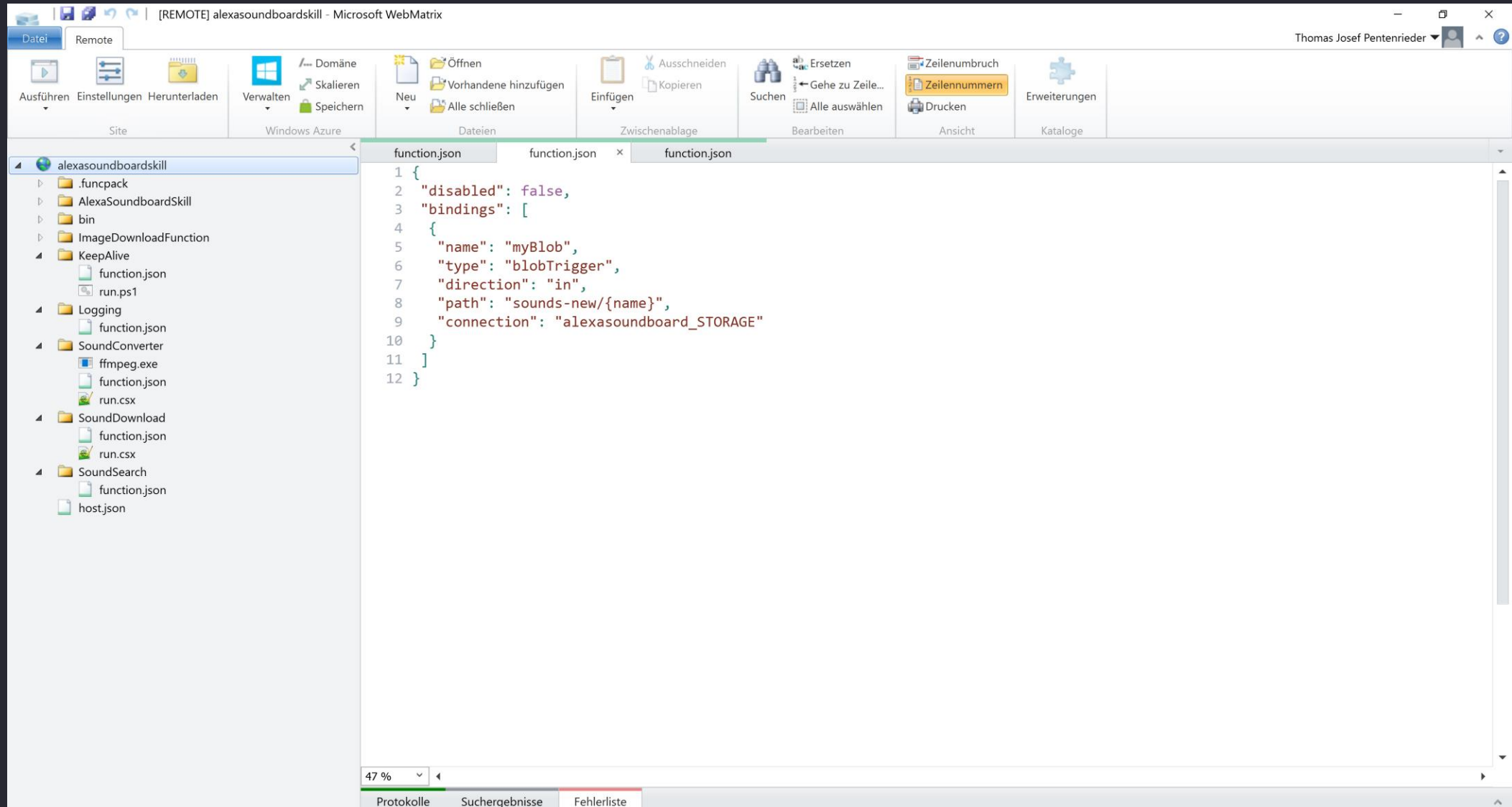
The screenshot displays the Microsoft Azure Storage Explorer application. The left sidebar shows a tree view of storage resources, with 'sounds' selected under 'alexasoundboard'. The main pane shows a list of files in the 'sounds' container. The files are:

Name	Last Modified	Blob Type	Content Type	Size	Lease State	Disk Name	VM Name	Disk Type	Resource Group Name
batman.mp3	25.5.2018, 13:01:31	Block Blob	application/octet-stream	6.8 KB					
happy.mp3	25.5.2018, 12:57:31	Block Blob	application/octet-stream	15.9 KB					
jamesbond.mp3	25.5.2018, 12:57:51	Block Blob	application/octet-stream	33.8 KB					
starwars.mp3	25.5.2018, 13:06:15	Block Blob	application/octet-stream	15.3 KB					

Below the file list, the 'Activities' pane shows a log of actions:

- Deleted blob from 'alexasoundboard/sounds': 1 completed
- Deleted blob from 'alexasoundboard/sounds': 1 completed
- Deleted blob from 'alexasoundboard/sounds': 1 completed
- Deleted blob from 'alexasoundboard/sounds': 1 completed
- Opened 'trololo.mp3'

Local Testing



Voice Assistant: Alexa

Alexa

- Amazon
- April 2014
- Echo Family
- Windows-PCs later this year...
 - Demo during Microsoft Build Conference 2018

Wording: Skill

- Voice Experiences, which can be developed by third parties
- Extends the available functions
- "Voice Apps" with focused functionality
- Are currently available for free
- Be activated or deactivated via voice commands or companion apps

Instant Buttons: der bes

+

▼

←

→

↺

🏠

🔒

https://play.google.com/store/apps/details?id=com.crema.instant&hl=de

📖

★

☆

🔍

⋮

Google Play

Suchen

🔍

Apps

Kategorien

Startseite

Top-Charts

Neuerscheinungen

Meine Apps

Einkaufen

Spiele

Familie

Empfehlungen

Konto

Meine Abos

Code einlösen

Geschenkkarte kaufen

Meine Wunschliste

Meine Play-Aktivitäten

Leitfaden für Eltern

Instant Buttons: der beste Soundboard

CremaApps

Unterhaltung

★★★★★

148.915

👤

USK ab 12 Jahren

Enthält Werbung · Bietet In-App-Käufe an

📱 Diese App ist mit allen deinen Geräten kompatibel.

📌 Zur Wunschliste hinzufügen

Installieren

Buttons

FAVORITEN HIGHLIGHT BELIEBT NEU

BARKING DOG

BOOYAH

BURNED

BOO

ACTION!

BRUH

CONSEQUENCE

BURP

BAAAAAKAAA

Ton bearbeiten

Tipp: Griffe bewegen, um Bereich auszuwählen

Einblenden

Ausblenden

WEITER

Buttons

KATEGORIEN FAVORITEN HIGHLIGHT

ACHIEVEMENT

APPLAUSE

BADUMTSS

BONFIRE

CABLE GUY

CELEBRATION

CHAIN

CHICKEN

RANDOM

Ton bearbeiten

CELEBRATION

Wählen Sie

LÖSCHEN

Ähnlich

Mehr ansehen

Dank Soundboard

loquats

Dank Soundboard - MLG Meme zum Greifen nah!

★★★★★

Meme Soundboard

Summit Inc.

Spielen Sie Ihre Lieblings-Sounds mit dem Meme Soundboard!

★★★★★

Donald Trump S

Berry BongoBrother

★ Das Donald Trump Soundboard mit mehr als 300 Trump Sounds ★

★★★★★

Demo

Pros of Azure Functions

- Azure Functions are cheap.
- Azure Functions are simple for simple scenarios.
- The amount of code you write in a function will probably be less than writing the same behavior outside of Azure Functions.

Cons of Azure Functions

- The languages and the runtimes for Azure Functions are not specialized.
- Deploying, authoring, testing, and executing a function is difficult outside of Azure.
- Startup time of the function is sometimes a little bit slow.



Any questions?



Thank you for
your interest!

www.medialesson.de





Azure Saturday 2018
We appreciate your feedback!



<https://form.responster.com/8sl73M>