

Guest Lecture – Serverless

Schedule



08:00 – 08:15 Introduction

08:15 – 08:30 Exercise Goals + Azure

08:30 – 08:45 Technical setup

08:45 – 09:10 Resource creation in Azure

09:10 – 09:30 Production ready automation

-- PAUSE -

09:50 – 10:10 Introduction of the programming part

10:10 – 10:40 Coding of API and website

10:40 – 11:00 Production ready automation

11:00 – 11:20 Interview

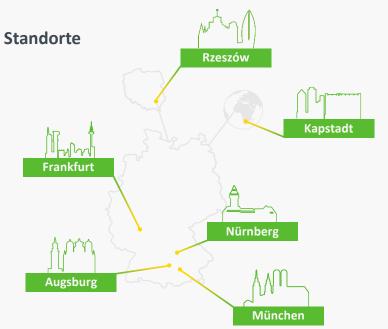
digatus auf einen Blick



Fakten







Organisation



Portfolio

IT Mergers & Acquisitions (M&A)

- > Due Diligence
- > Contract & License Management
- > Carve-Out & Integration

Project Excellence

- > Programm- und Projektleitung
- > Project Management Office (PMO)
- Transition & Change Management
- Digitalisierung & Prozessoptimierung

Cloud Strategy & Operations

- > Public & Private Cloud
- > Workplace-as-a-Service
- > SAP

IT Services & Operations

- Service Desk
- Network & Security
- > VIP & Onsite Support

Software Development

- > (Prozess-) Digitalisierung
- > Agile Softwareentwicklung
- > Anwendungsbetreuung
- > NVIDIA Preferred Partner

3

Branchen, die uns bewegen





Lösungen für **Buy out, Restrukturierung** und **Venture Invest**



Bewältigung von **globalen IT-Herausforderungen** im internationalen Wettbewerb



Umfassende Expertise in

Digitalisierungs- & Zukunftsprojekten zur
Innovationssteigerung



Konzeption und Umsetzung von **Digitalisierungs- und IT-Projekten** in städtischen Organisationen



Technologische Antworten auf Fragen des **demographischen Wandels**



Weiterentwicklung der Pflege- und Gesundheitsinfrastruktur durch Patientenzentrierung

Prerequisites

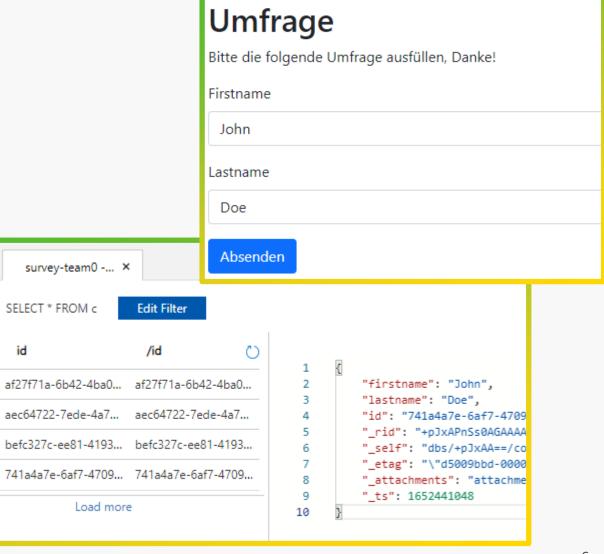


- <u>Node.js 16.x</u>
- Visual Studio Code
- VS Code Azure Functions Extension
- Azure Functions Core Tools
- Code

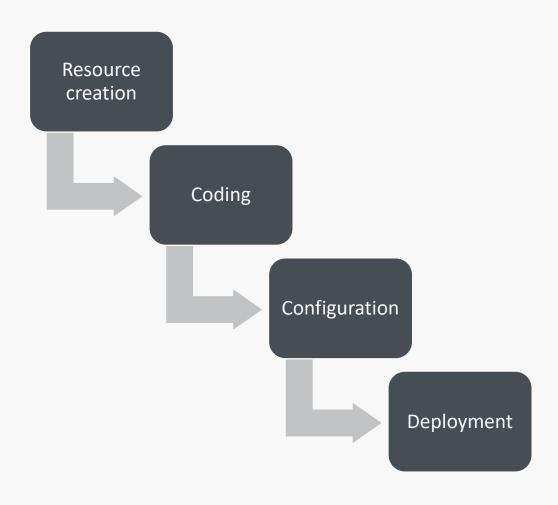
Exercise Goal



- Context Surveys
- Goal Conduct surveys and store answers in a database
- Objectives Use Public Cloud (Microsoft Azure)
 Support text fields
 Write results to database
- Optional Add support for further datatypes
 Add validation





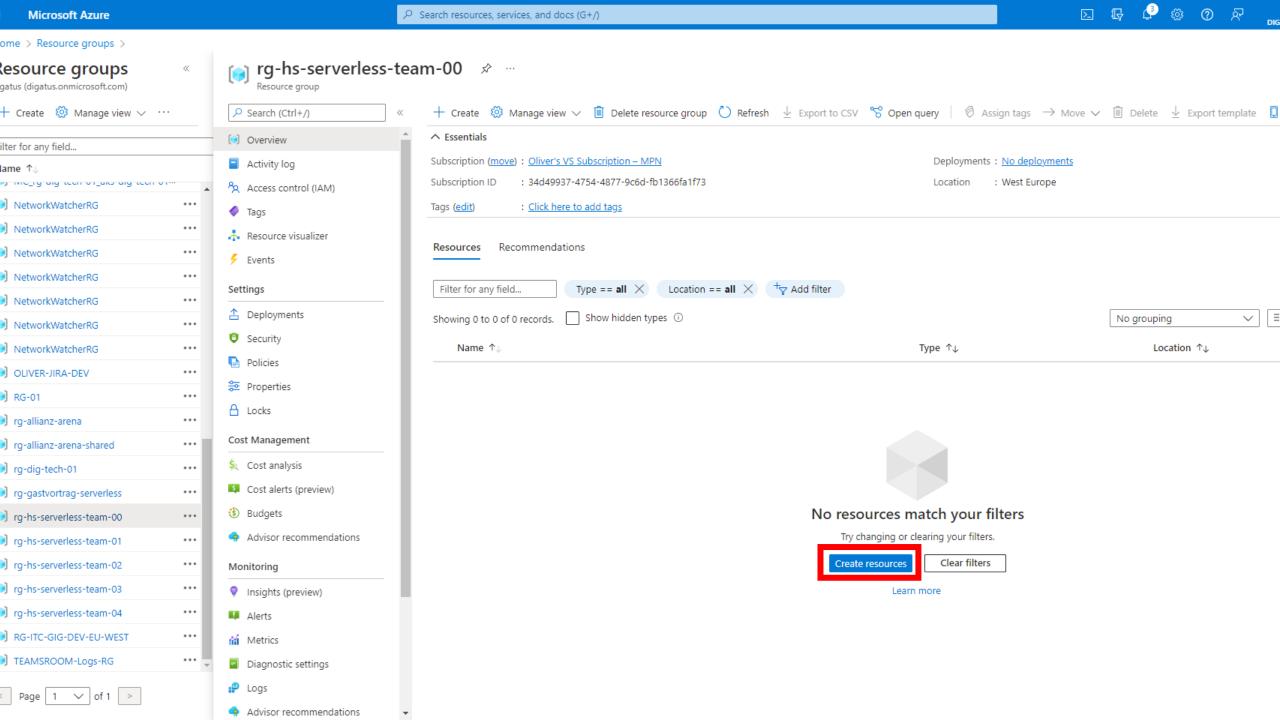






Everything we have done.





Home > Resource groups > rg-hs-serverless-team-00 > Create a resource > Function App >

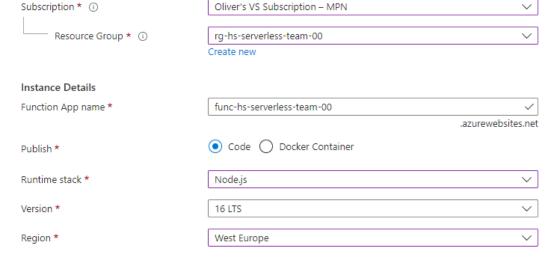
Create Function App

Hosting Monitoring Tags Review + create Basics Networking

Create a function app, which lets you group functions as a logical unit for easier management, deployment and sharing of resources. Functions lets you execute your code in a serverless environment without having to first create a VM or publish a web application.

Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.



Operating system

The Operating System has been recommended for you based on your selection of runtime stack.

Linux Windows Operating System *

Plan

The plan you choose dictates how your app scales, what features are enabled, and how it is priced. Learn more

Plan type * (i) Consumption (Serverless)



Next : Hosting >

D 🖟 🔑 🕲 🕜 🔊

$Home > Resource\ groups > rg-hs-serverless-team-00 > Create\ a\ resource > Function\ App >$

Create Function App

Basics Hosting Networking Monitoring Tags Review + create

Summary



Details

Subscription 34d49937-4754-4877-9c6d-fb1366fa1f73

Resource Group rg-hs-serverless-team-00
Name func-hs-serverless-team-00

Runtime stack Node.js 16 LTS

Hosting

Storage (New)

Storage account rghsserverlessteam0b1be

Plan (New)

Plan type Consumption (Serverless)
Name ASP-rghsserverlessteam00-976e

 Operating System
 Windows

 Region
 West Europe

 SKU
 Dynamic

Monitoring (New)

Application Insights Enabled

Name func-hs-serverless-team-00

Region West Europe

Create

< Previous

Next >

Download a template for automation

Home > Storage accounts >

Create a storage account ...

Encryption Tags Networking Data protection Review + create Advanced

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription *	Oliver's VS Subscription – MPN	~
Resource group *	rg-hs-serverless-team-00	~
	Create new	

Instance details

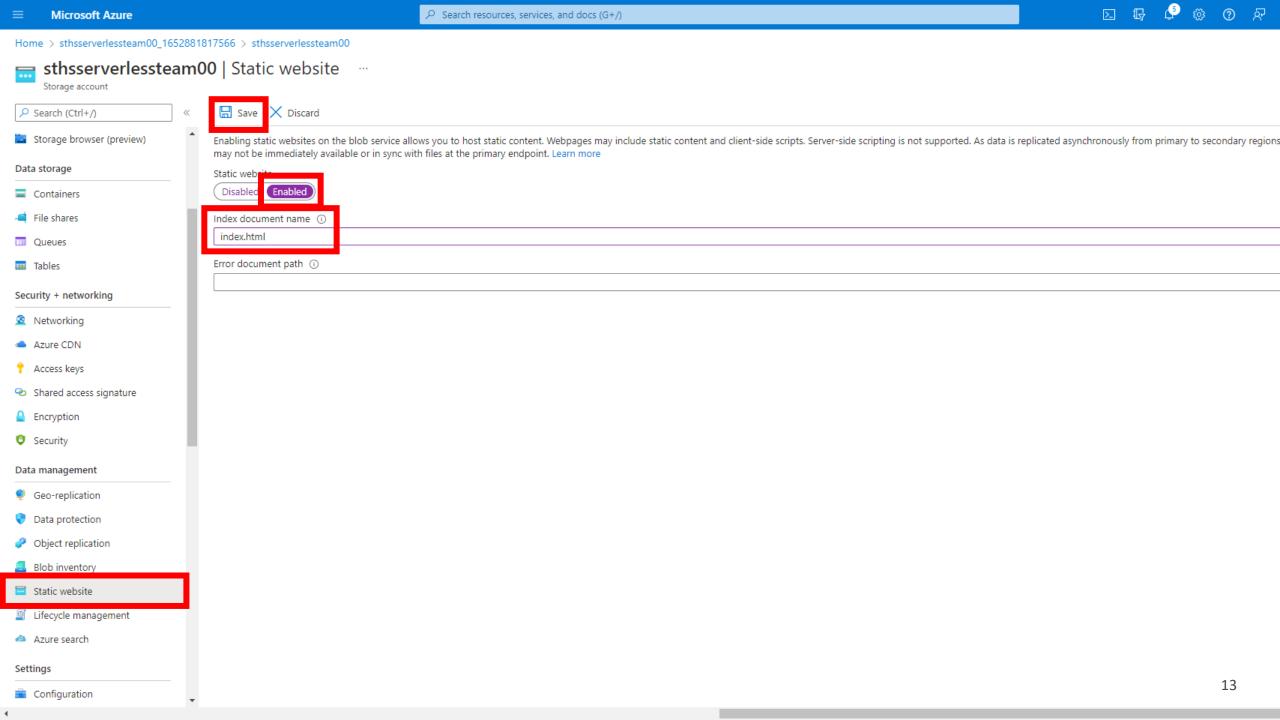
If you need to create a legacy storage account type, please click here.

Storage account name (i)*	sthsserverlessteam00
Region ① *	(Europe) West Europe
Performance ① *	Standard: Recommended for most scenarios (general-purpose v2 account)
	Premium: Recommended for scenarios that require low latency.
Redundancy (i) *	Locally-redundant storage (LRS)

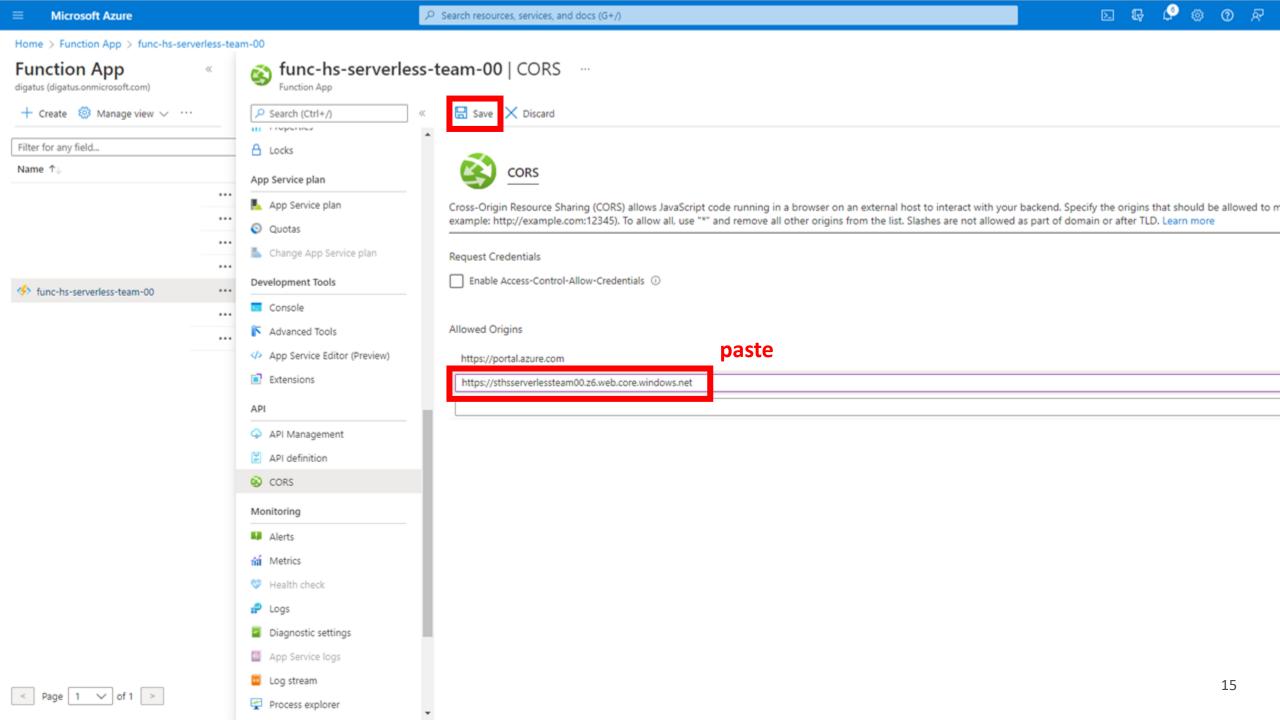


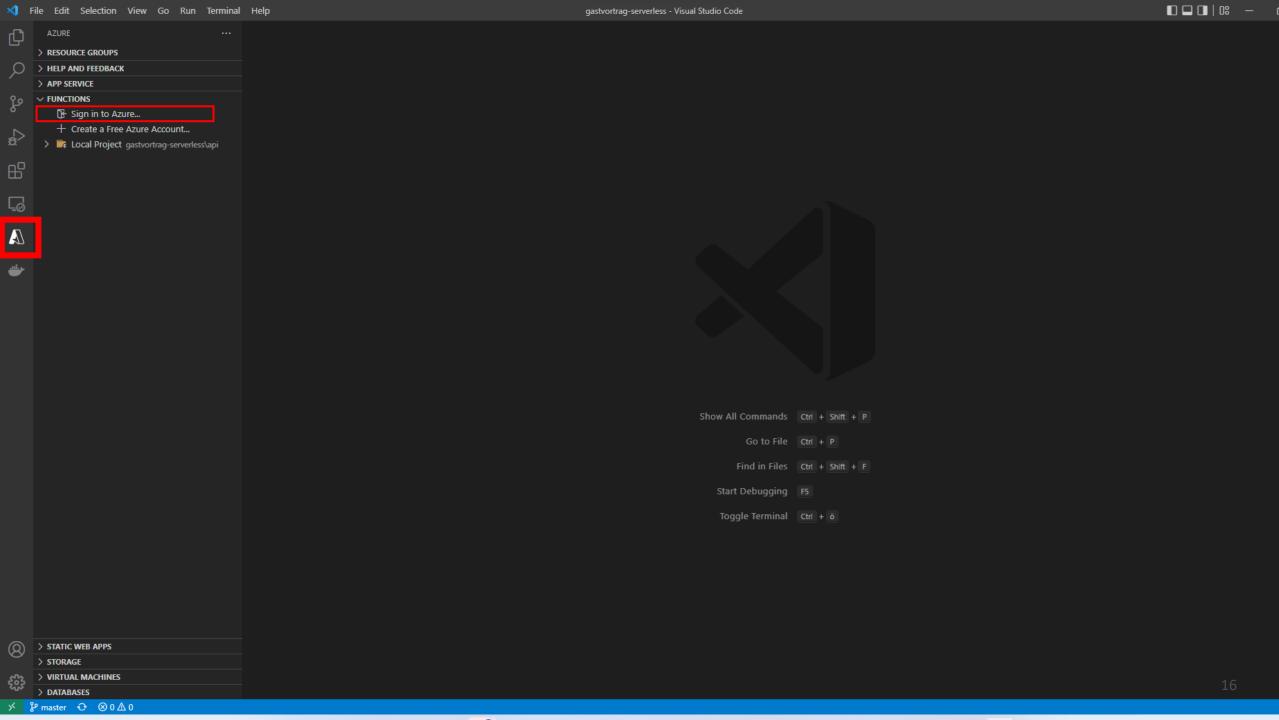
< Previous

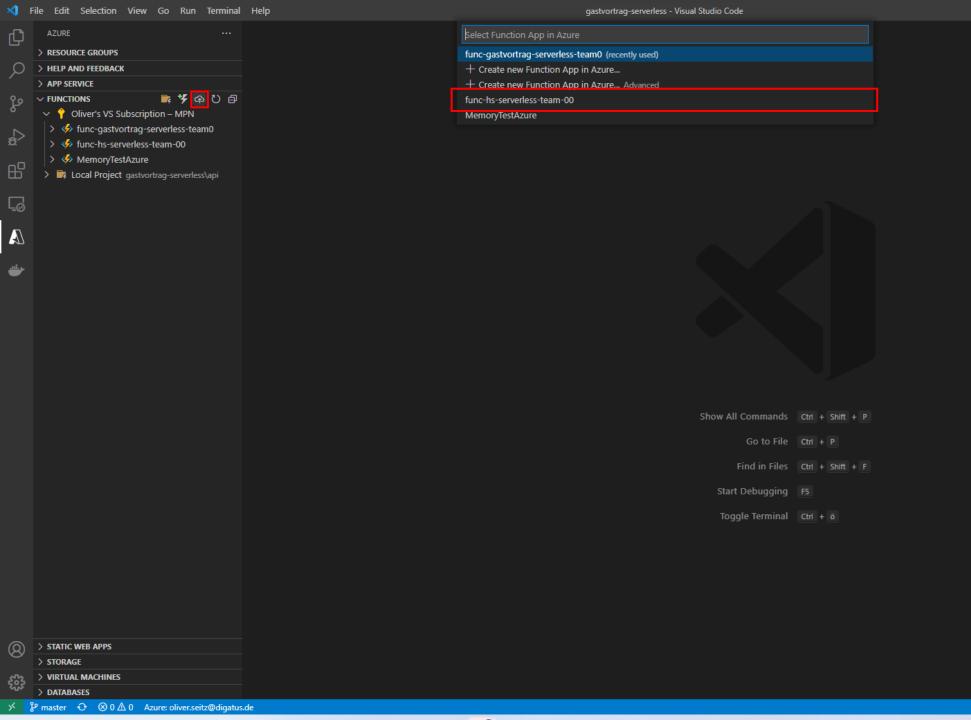
Next : Advanced >

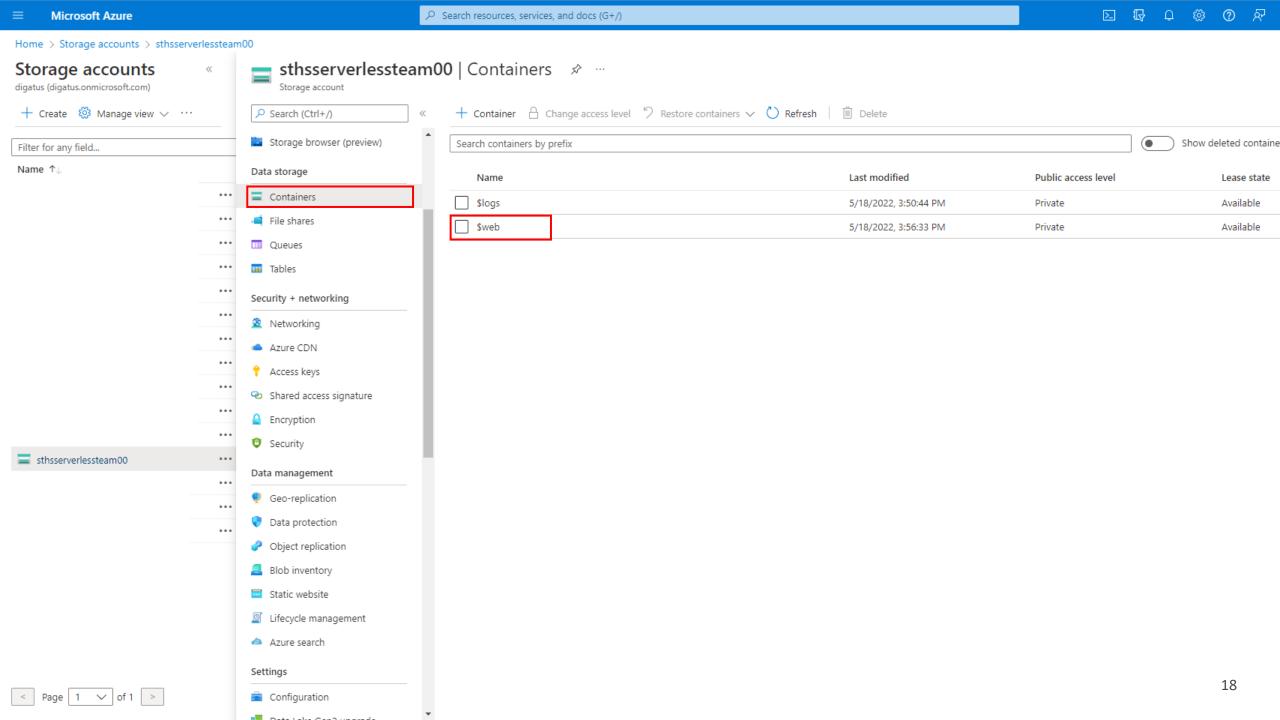


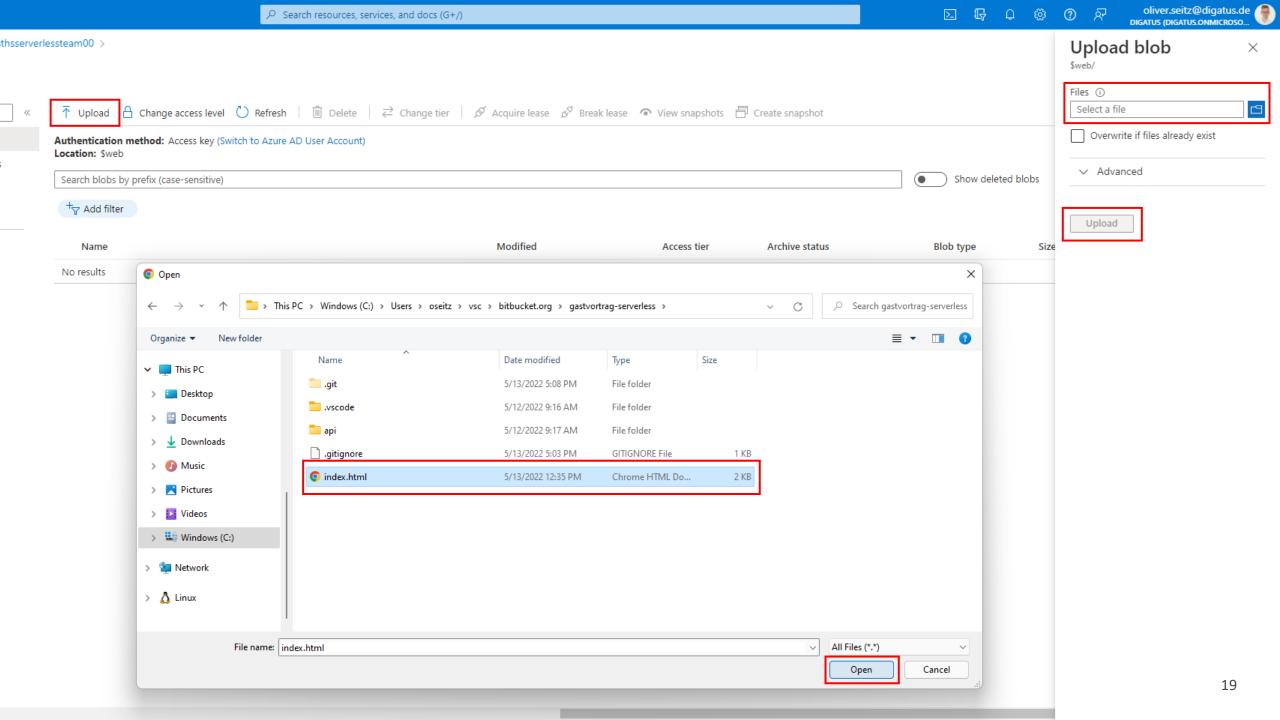
Configuration

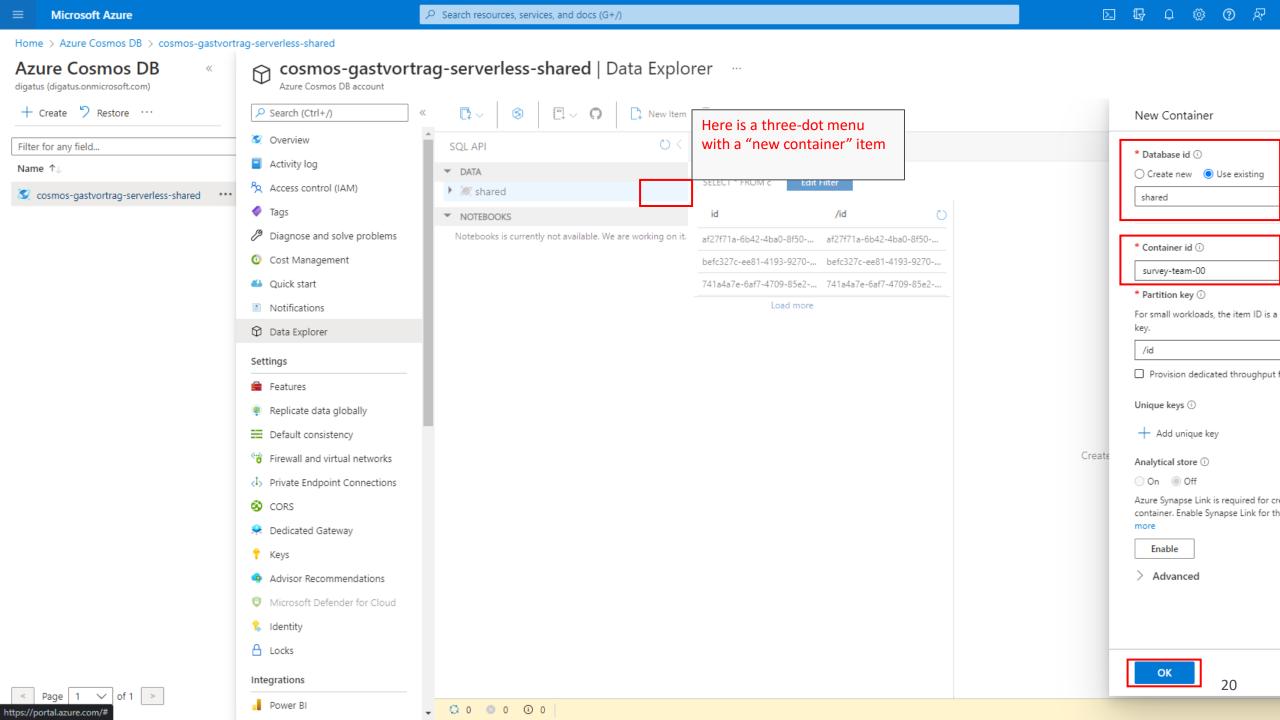


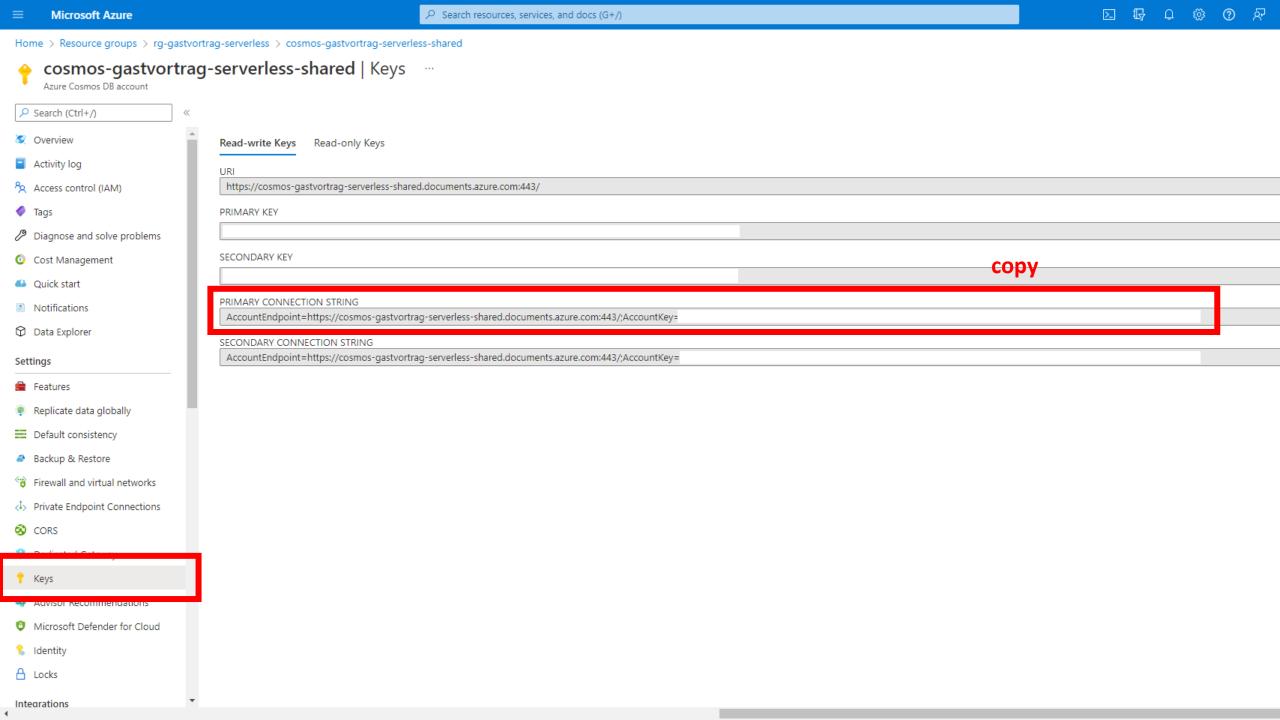


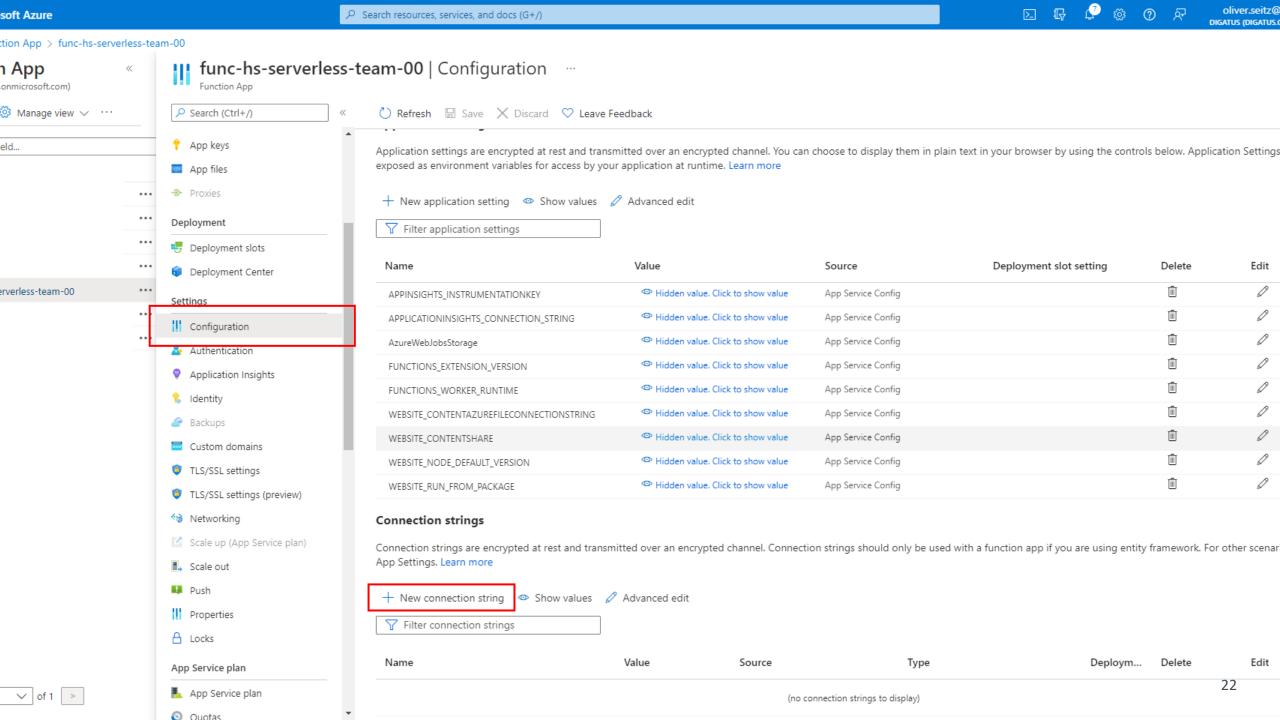


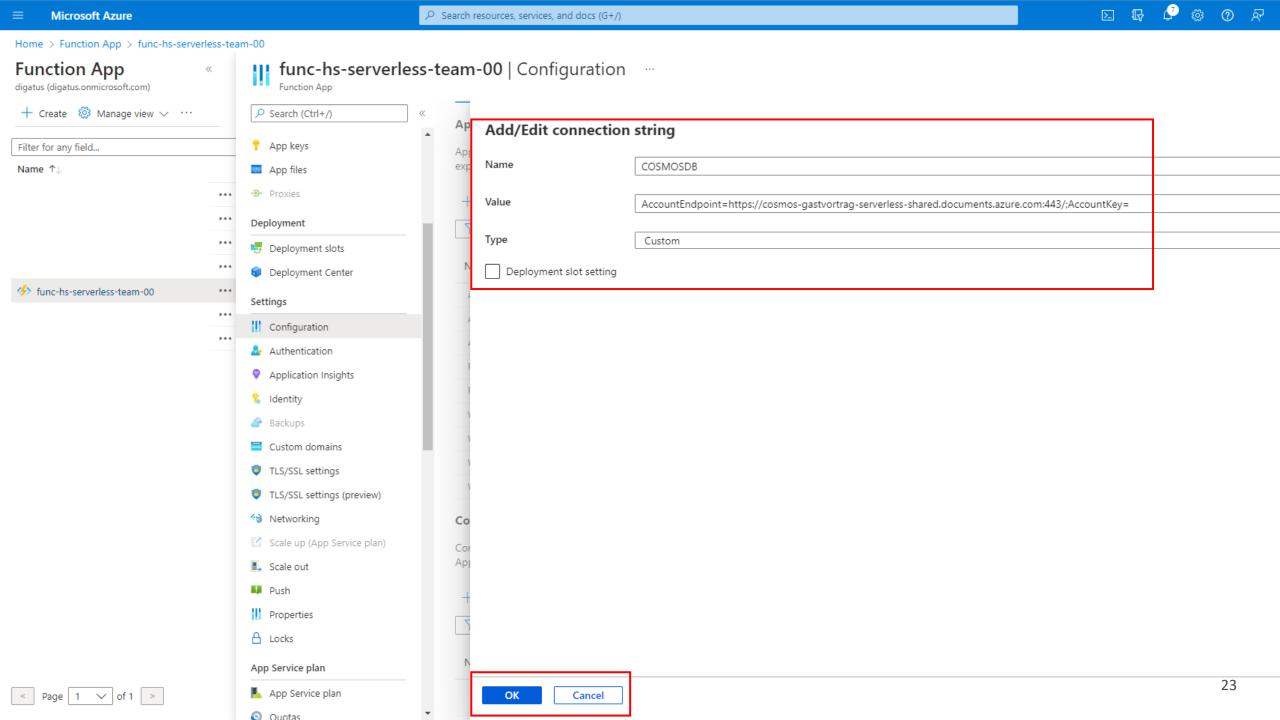












Guest Lecture – Serverless

Contact



Oliver Seitz
Software Developer
oliver.seitz@digatus.com



Simon Brunner
Software Developer
simon.brunner@digatus.com



