Wifi: Pass: https://github.com/mblaho-eset/AllHeadsEset



Introduction

Eset

- Cyber-security leader
- Slovakia based company with worldwide presence (Brno, Prague in CZ)

Eset Protect Platform

- Cloud-native SaaS XDR solution
- Continuous cloudification of monolithic application
- Tech stack: Kubernetes, Azure, C# .NET, Go

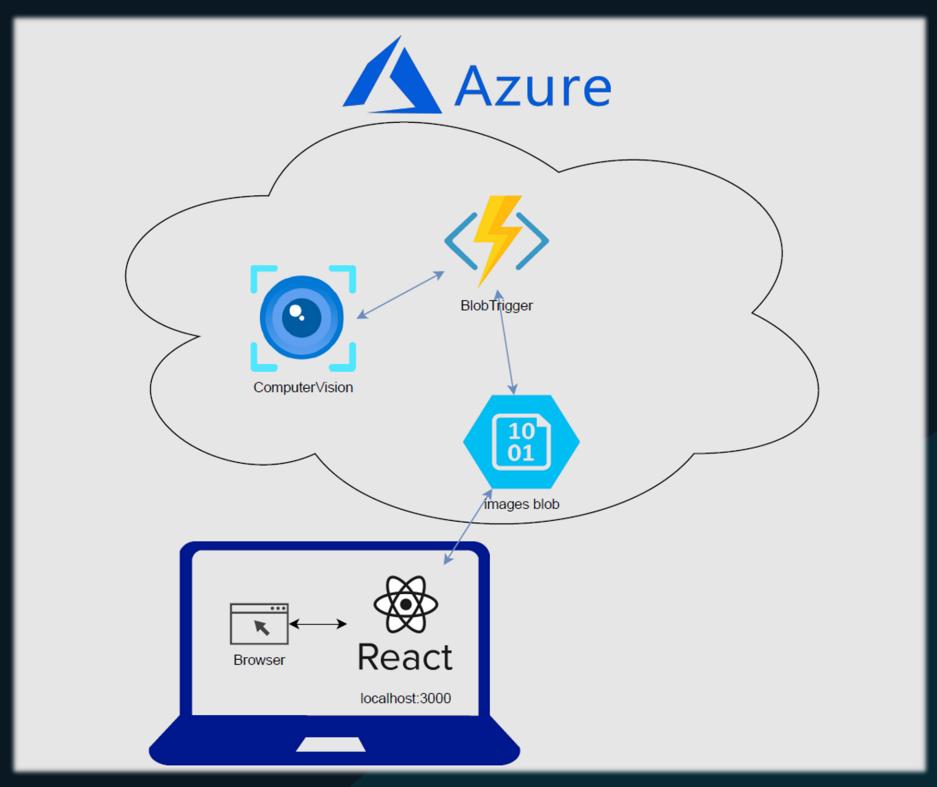
Workshop details

- Introduction to serverless cloud development in Azure. You will explore basic capabilities of modern managed Azure services by building simple data processing application. You will gain hands on experience with services such as: Azure functions, Azure Blob storage, Azure Al Services.
- Prerequisites:
 - Your own laptop
 - Azure account (free trial or student)
 - Latest version of Visual Studio Code -With Azure Functions extension
 - Basic familiarity with a high-level OOP programming language (C# will be used in workshop)
 - .NET SDK 8.0 installed



What will we build?

- Image Analyzer
 - Image object detection triggered by upload to file storage
 - Processing will be done by Azure Functions and Azure Computer Vision
 - Tagged images as output
- Azure tech stack:
 - Resource group
 - Function App
 - Computer vision
 - Storage account/Blob storage



Azure functions

- Serverless solution
- Focus on code
- Less infrastructure
- Triggered by various events
 - File upload
 - HTTP trigger
 - Database changes

- Process file upload
- Real time event processing
- Scheduled tasks
- Web API
- Respond to database changes

Home > Create a resource > Marketplace >

Create a resource group

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. Learn more

Project details

Subscription * ①	Azure subscription 1	~
Resource group * (i)	AllHeadsEsetWorkshop	✓
Resource details		
Region * ①	(Europe) West Europe	~

Review + create

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Next : Tags >

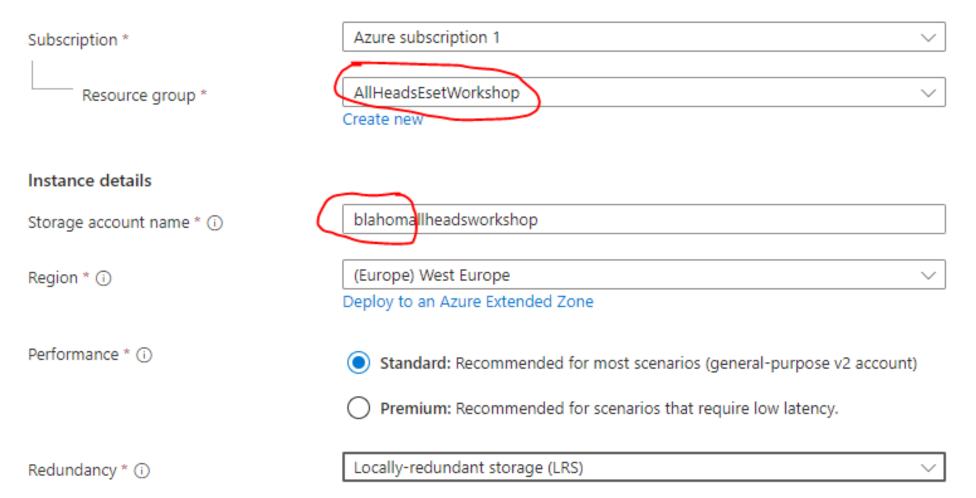
Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. Learn more about Azure storage accounts 🗹

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.



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Create Function App

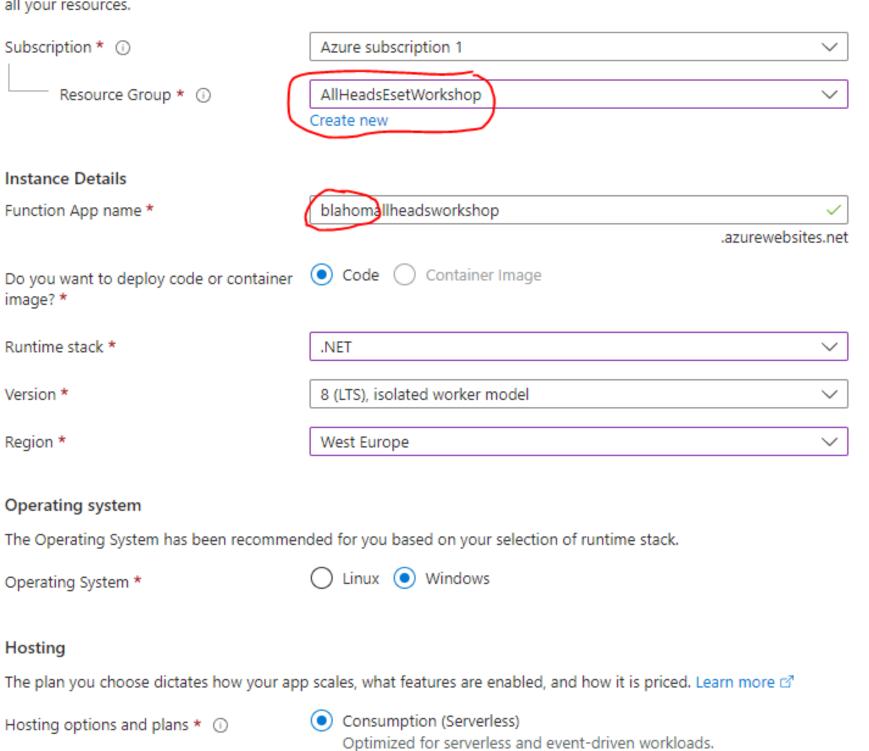
of resources. Functions lets you execute your code in a serverless environment without having to first create a VM or publish a web application.

Project Details

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



Next : Networking >

Create Computer Vision

Project Details Subscription * ① Azure subscription 1 AllHeadsEsetWorkshop Resource group * ① Create new Instance Details Region ① West Europe blahomallheadsworkshop Name * ① Pricing tier * ① Free F0 (20 Calls per minute, 5K Calls per month) View full pricing details Responsible Al Notice

Microsoft provides technical documentation regarding the appropriate operation applicable to this Azure AI service that is made available by Microsoft. Customer acknowledges and agrees that they have reviewed this documentation and will use this service in accordance with it. This Azure AI services is intended to process Customer Data that includes Biometric Data (as may be further described in product documentation) that Customer may incorporate into its own systems used for personal identification or other purposes. Customer acknowledges and agrees that it is responsible for complying with the Biometric Data obligations contained in the Online Services DPA.

Online Services DPA

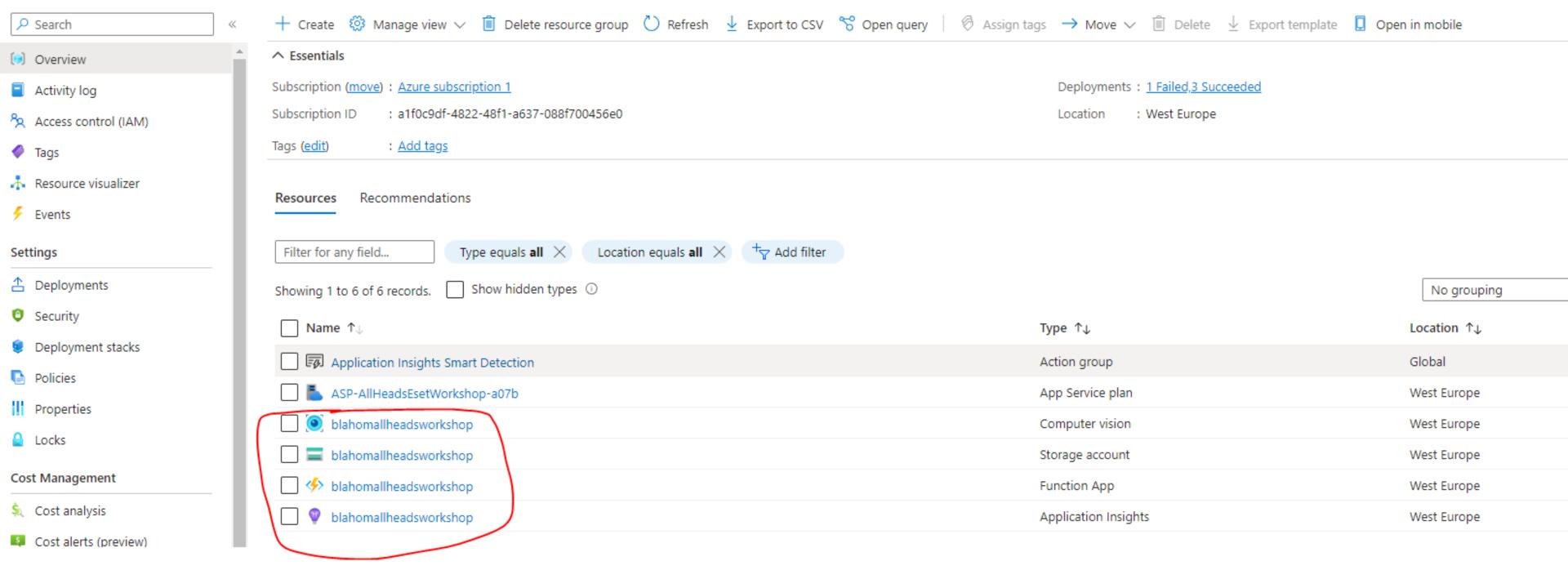
Responsible Use of AI documentation for Spatial Analysis

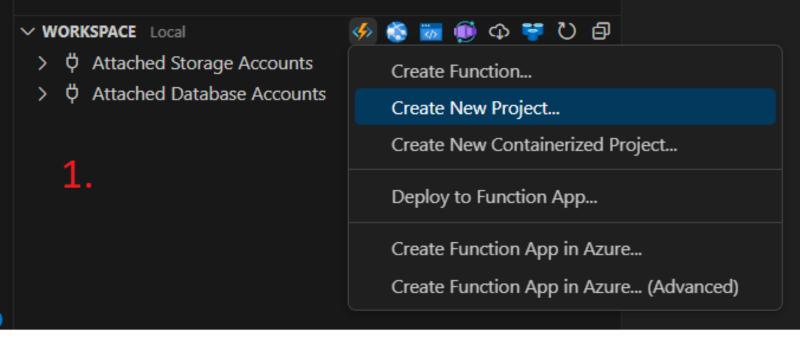
By checking this box I certify that I have reviewed and acknowledge the all the terms above. *

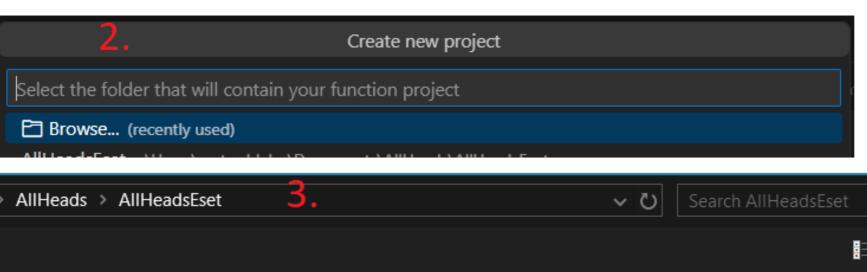


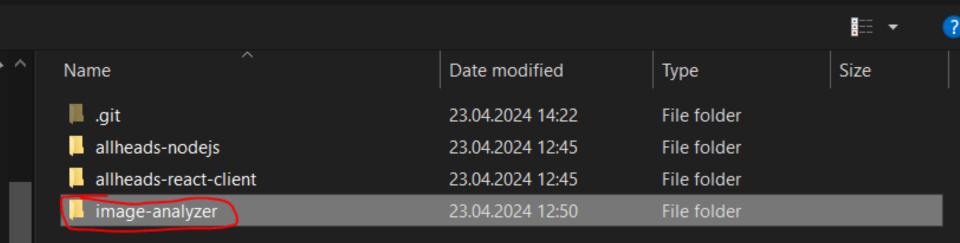
Review + create Previous Next



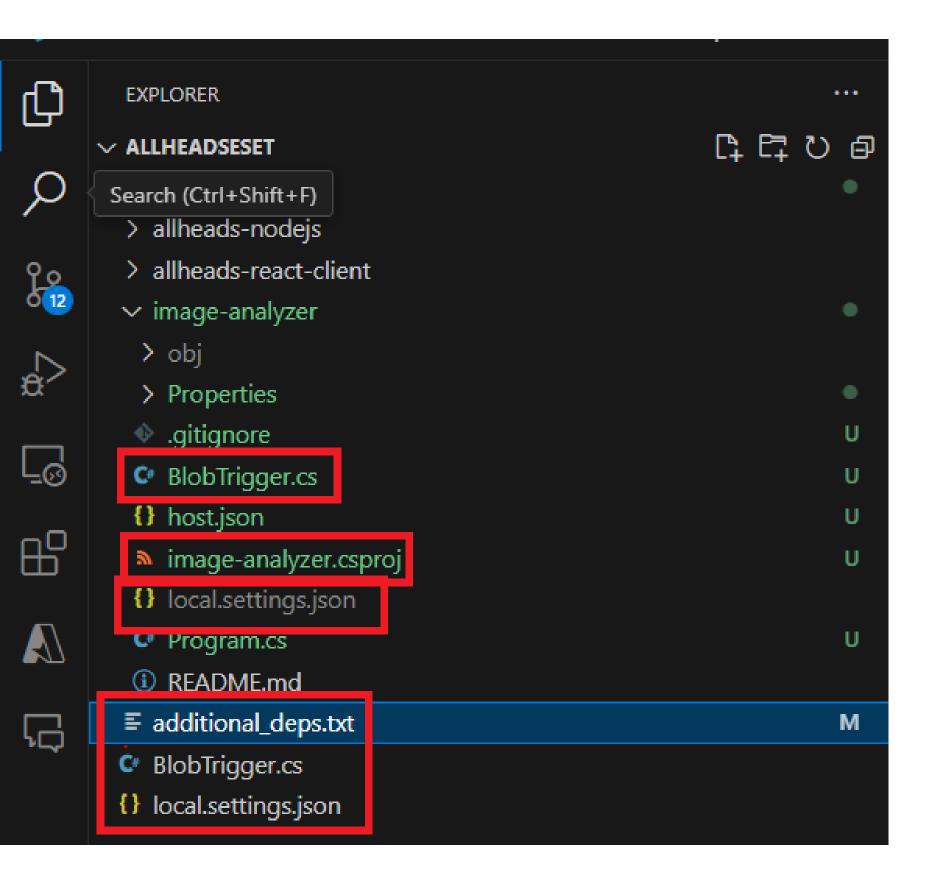




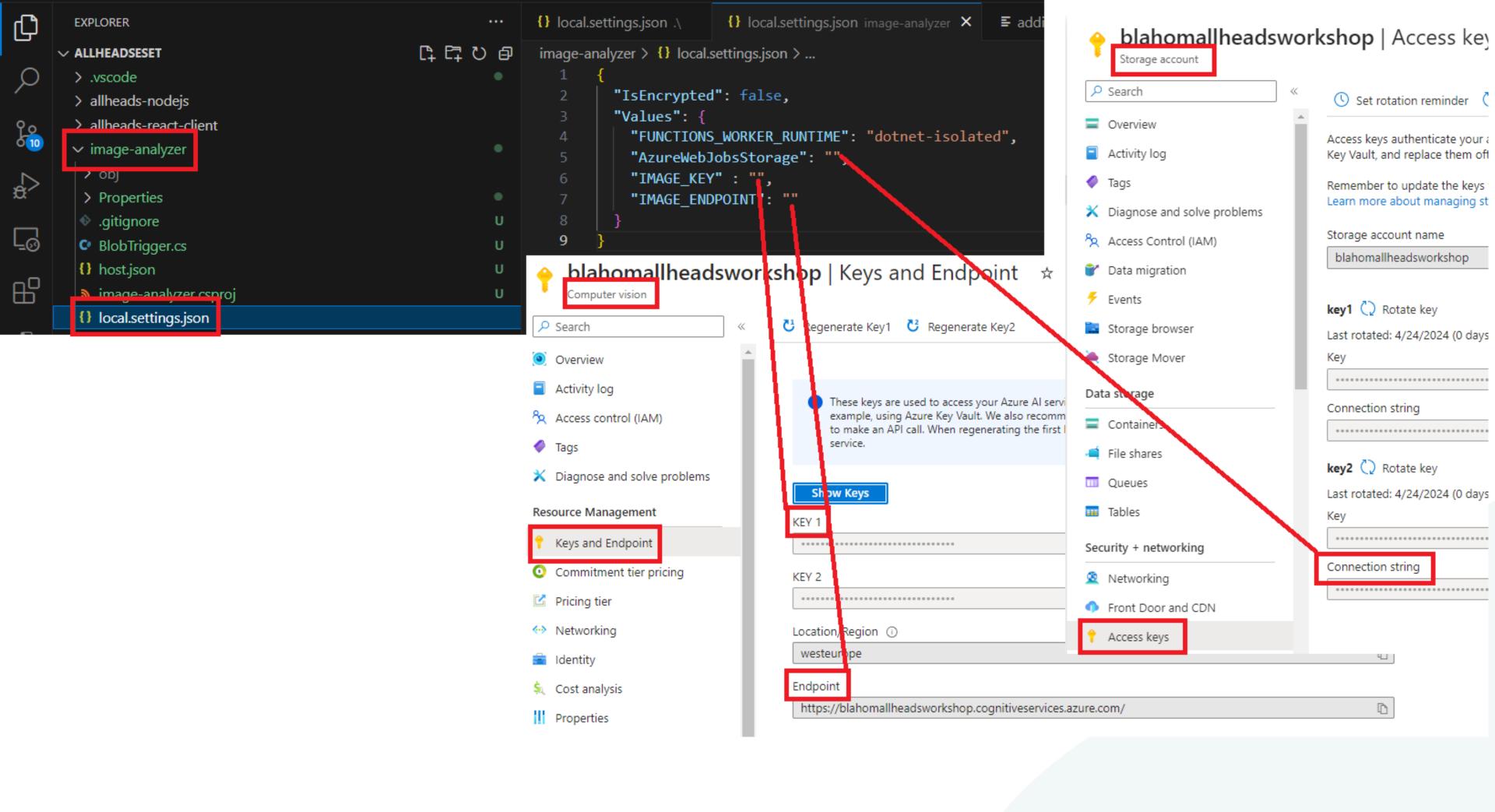


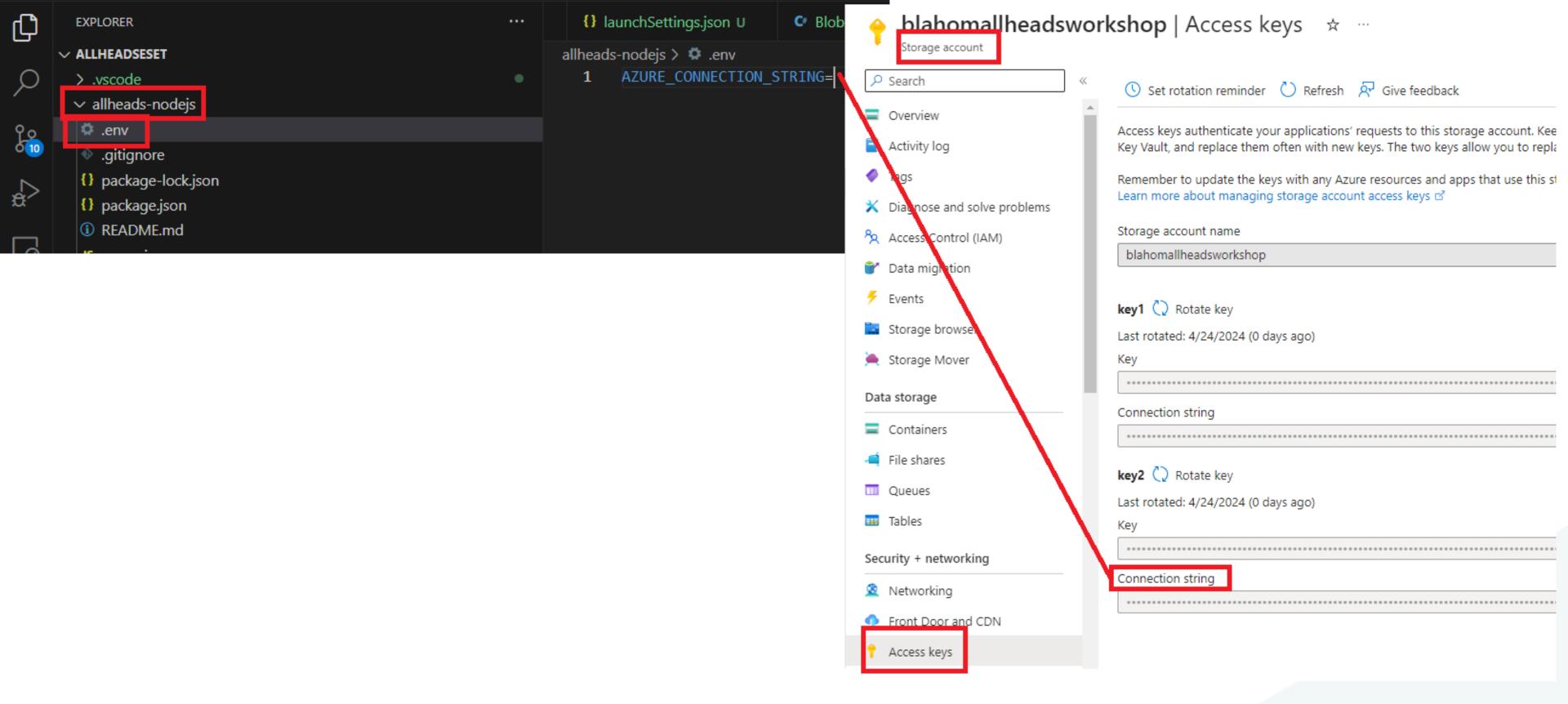


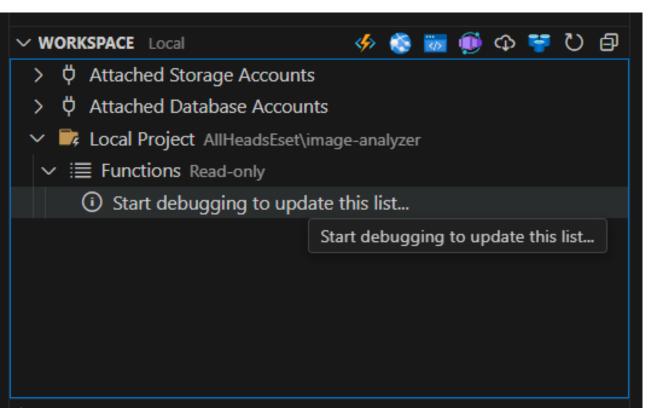


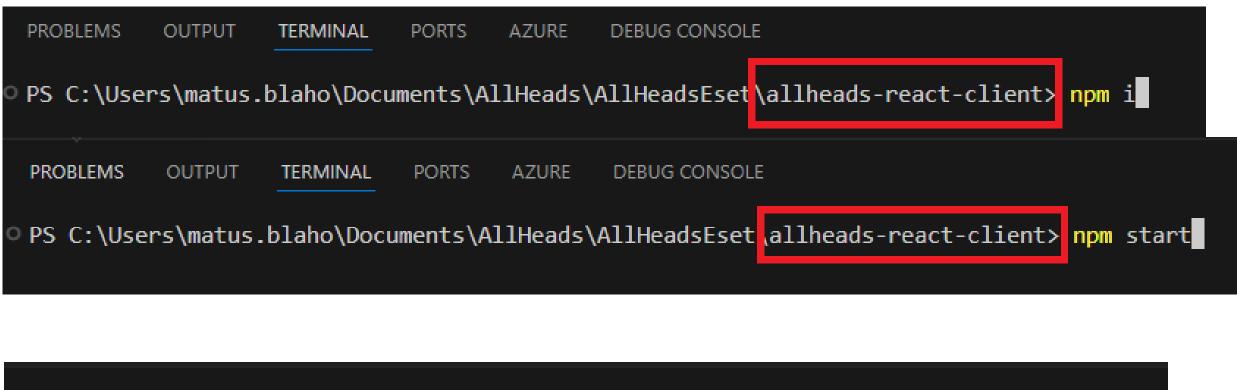


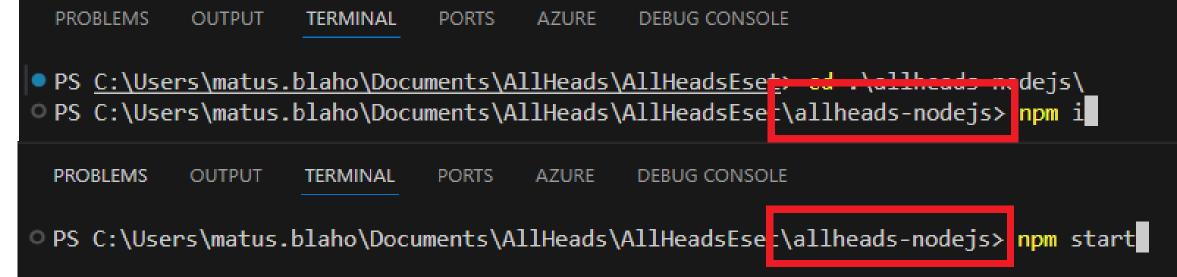
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- Replace content of AllHeadsEset/image-analyzer/local.settings.json with AllHeadsEset/local.settings.json
- Add additional packages from AllHeadsEset/additional_deps.txt to AllHeadsEset/image-analyzer/ image-analyzer.csproj











Questions?



Thank you.