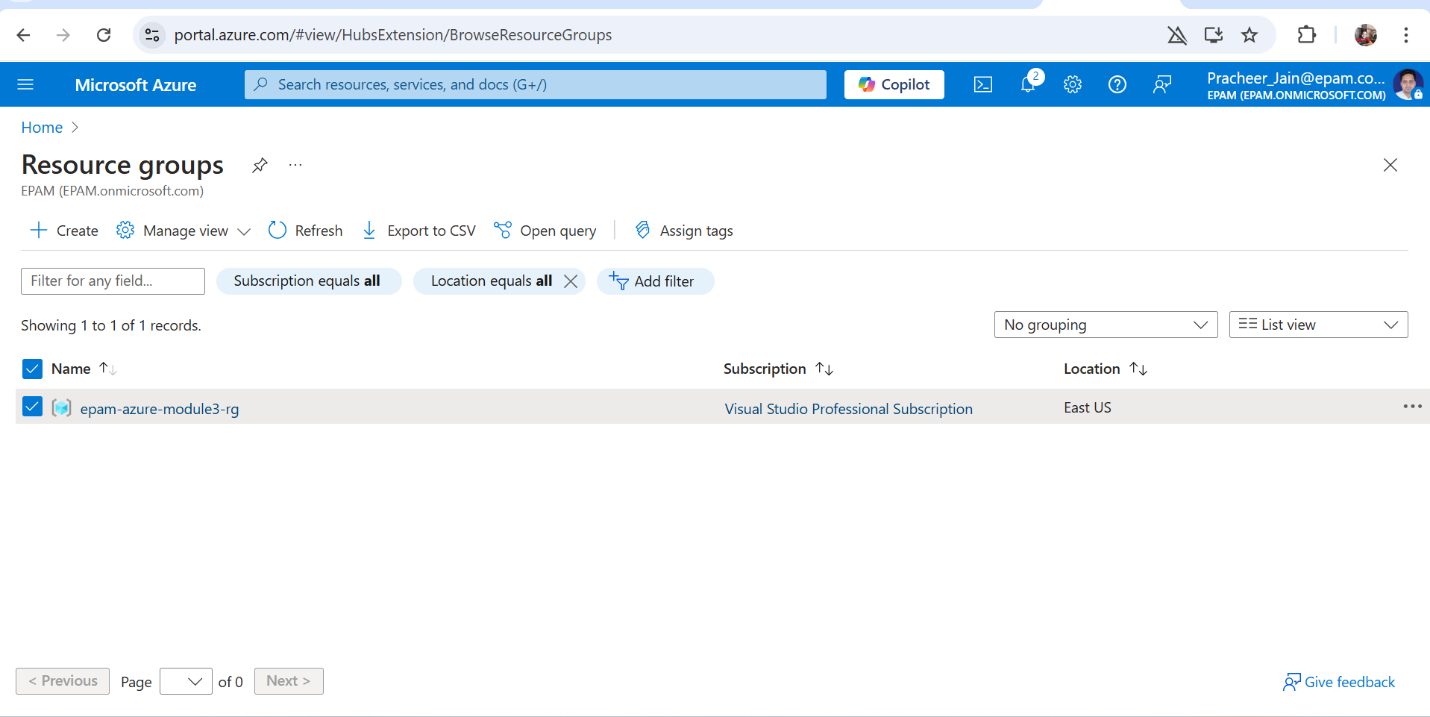
1. **Set Up Azure Resources**
   * Screenshot of the Azure portal displaying the creation of the resource group for the PetStoreApp.

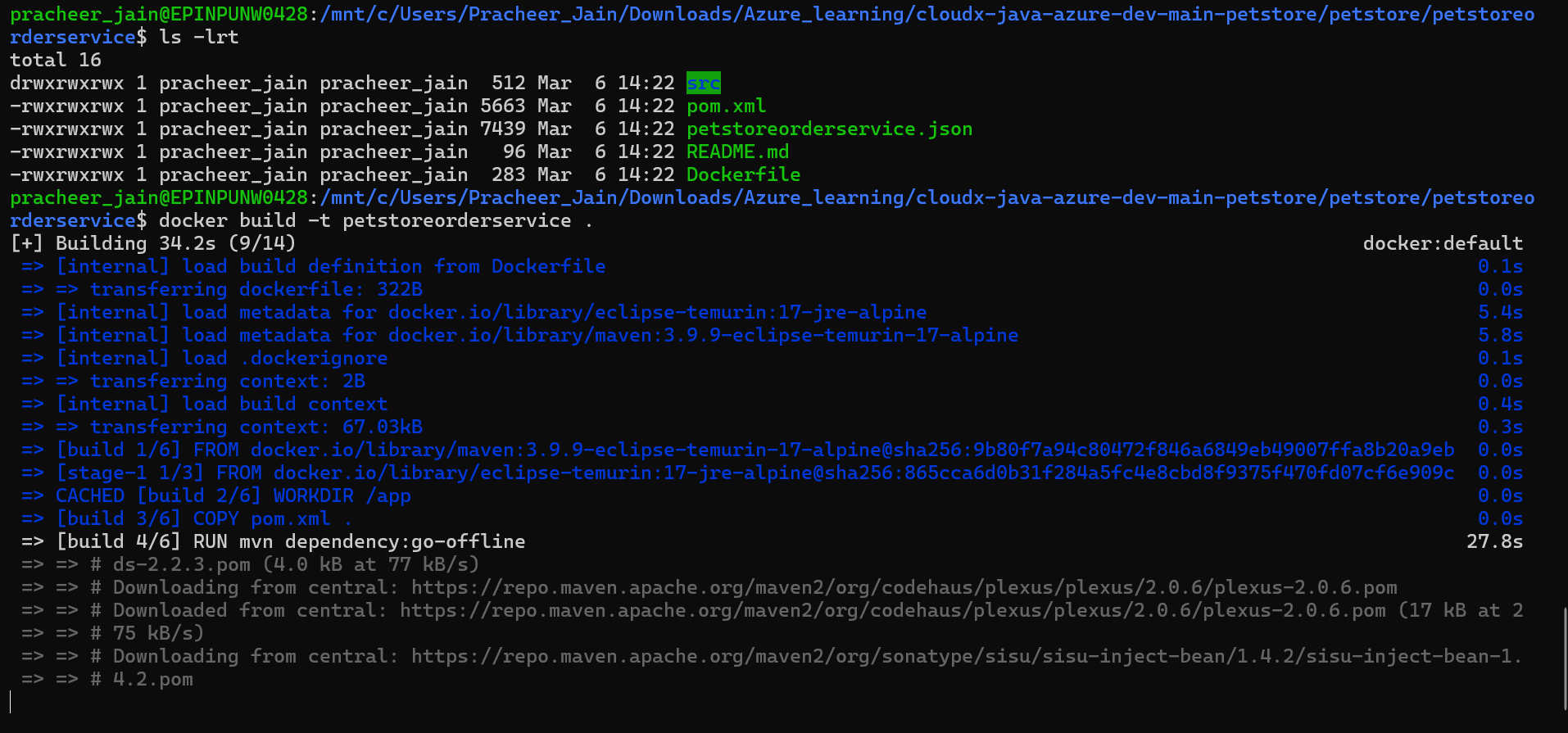


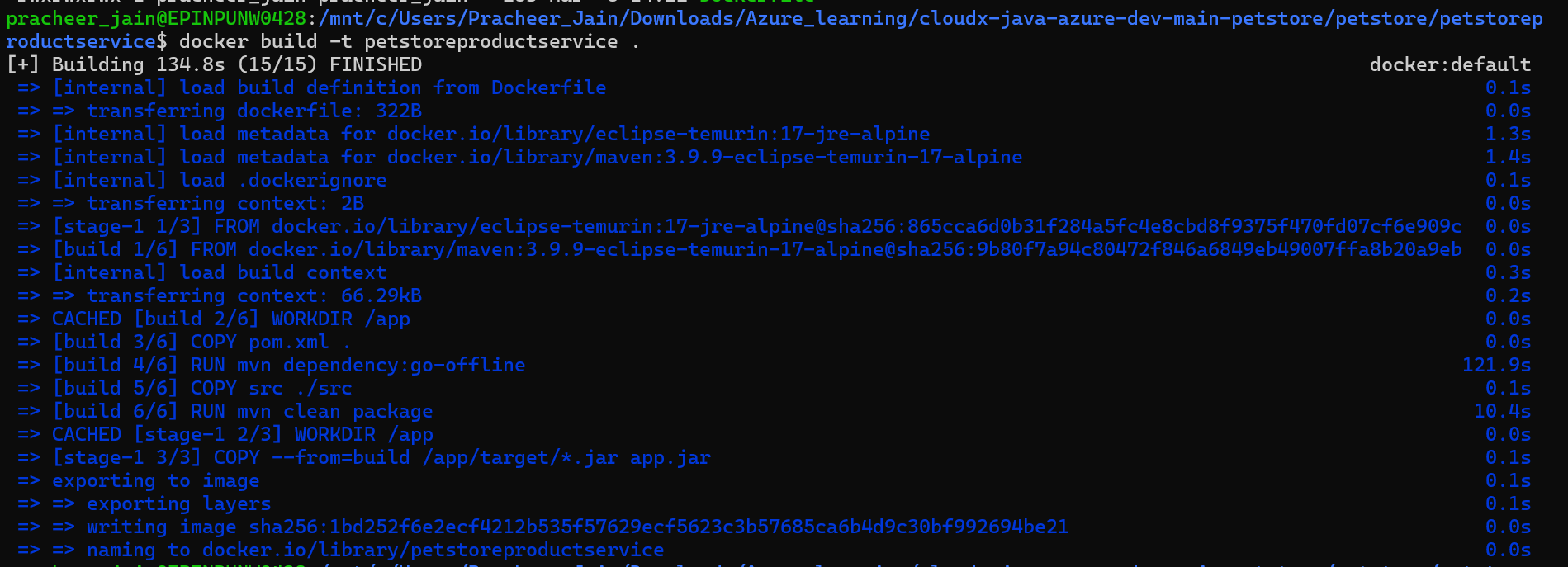
* + Screenshot of the successful creation of the Azure Container Registry (ACR).

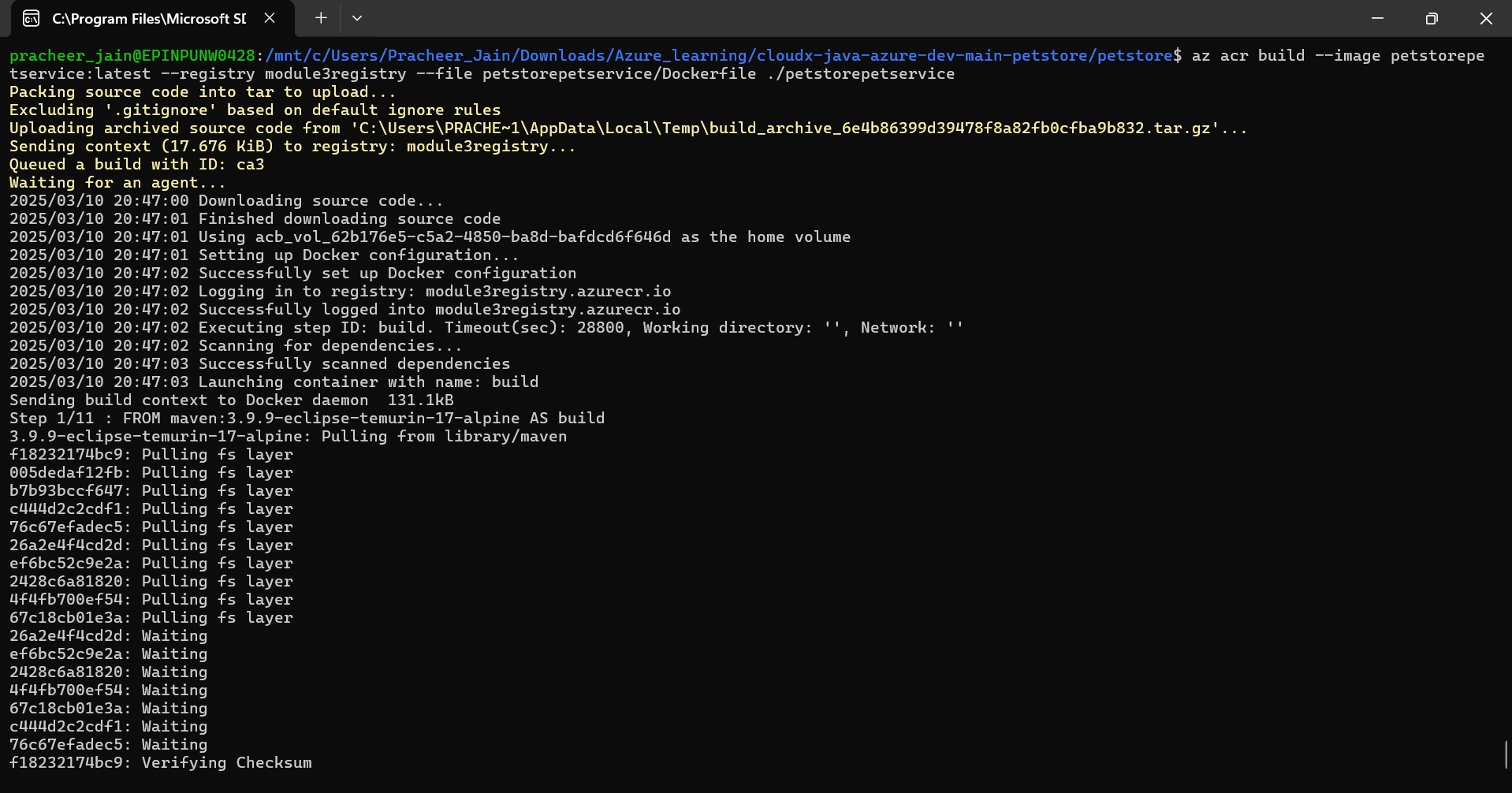
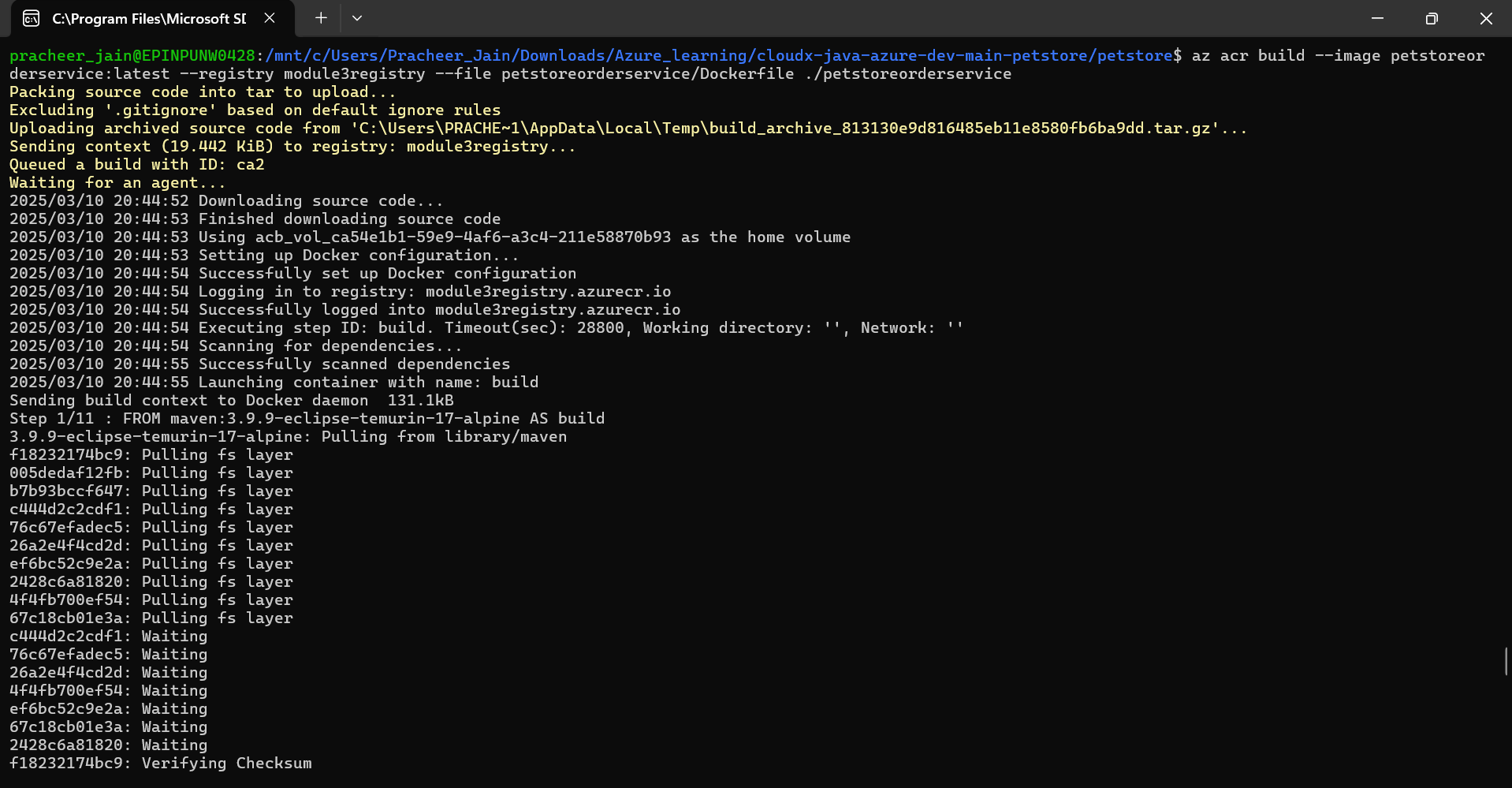
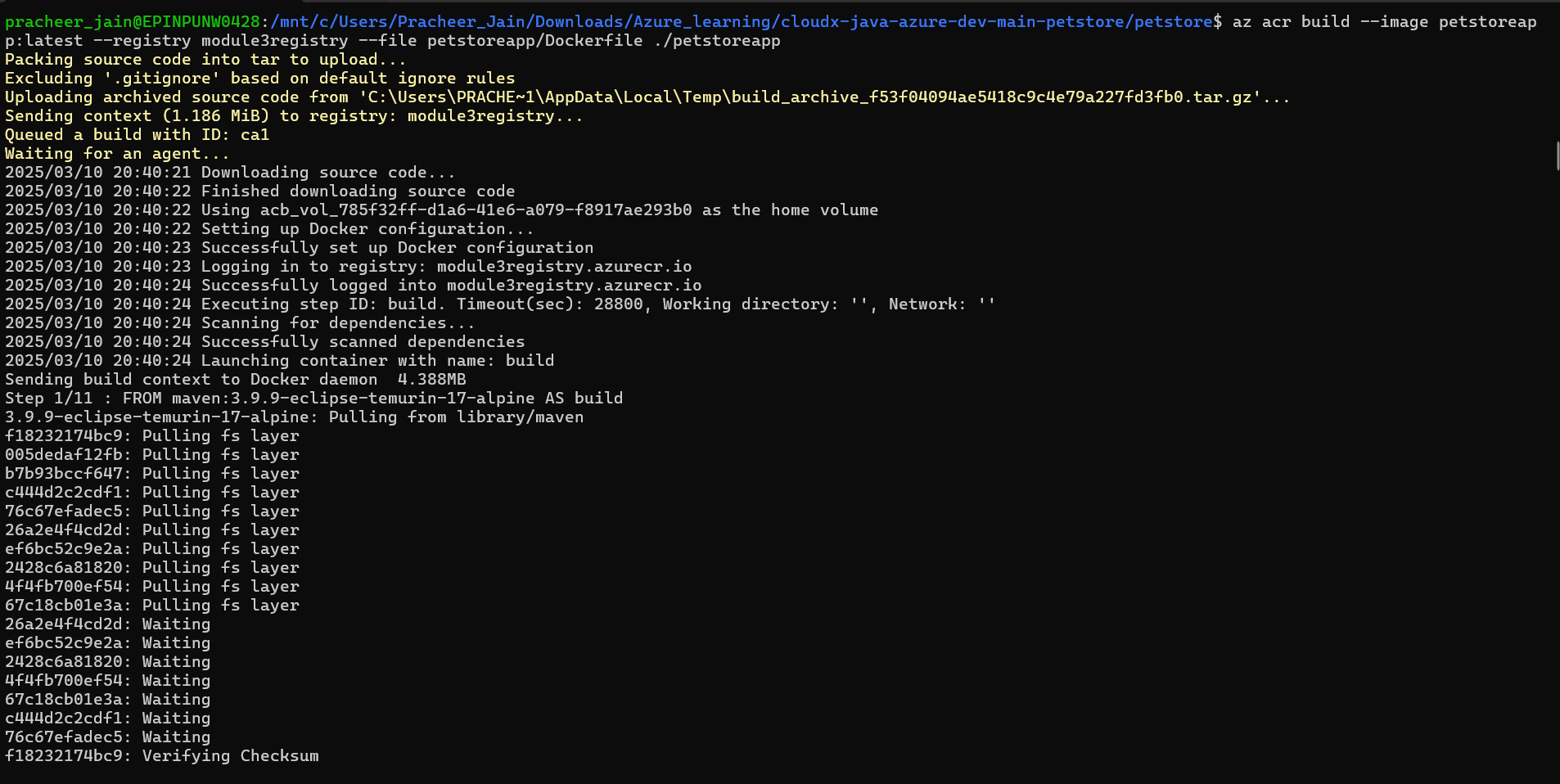
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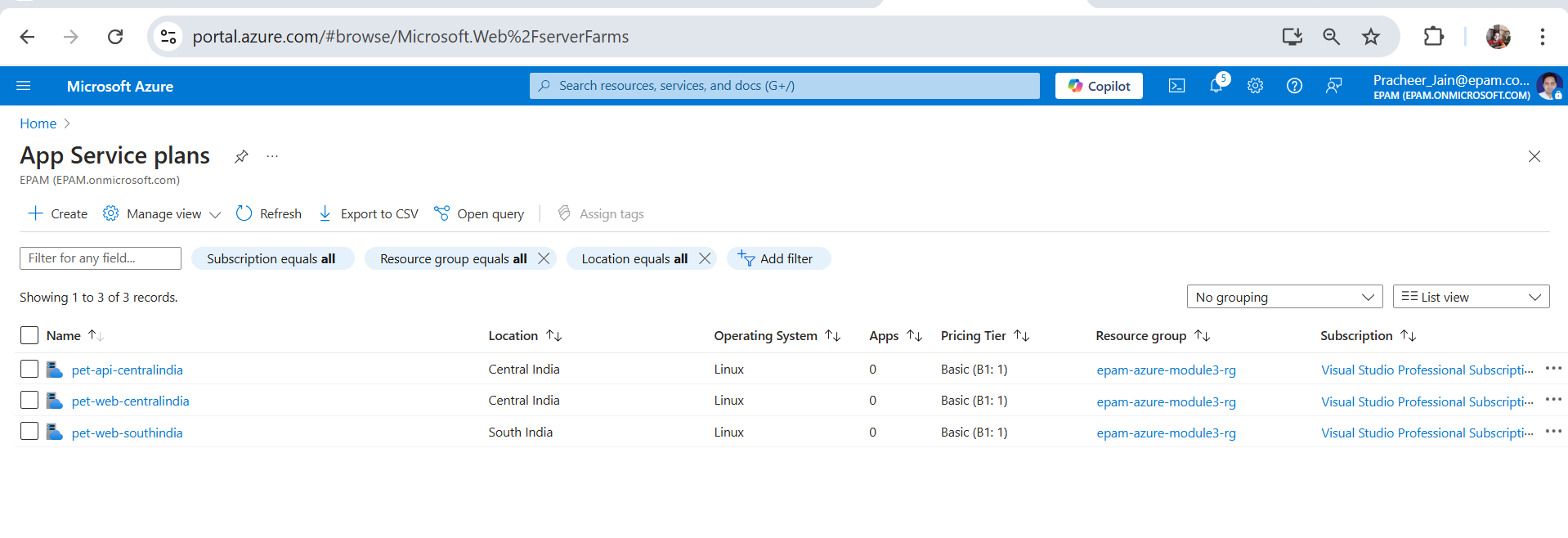
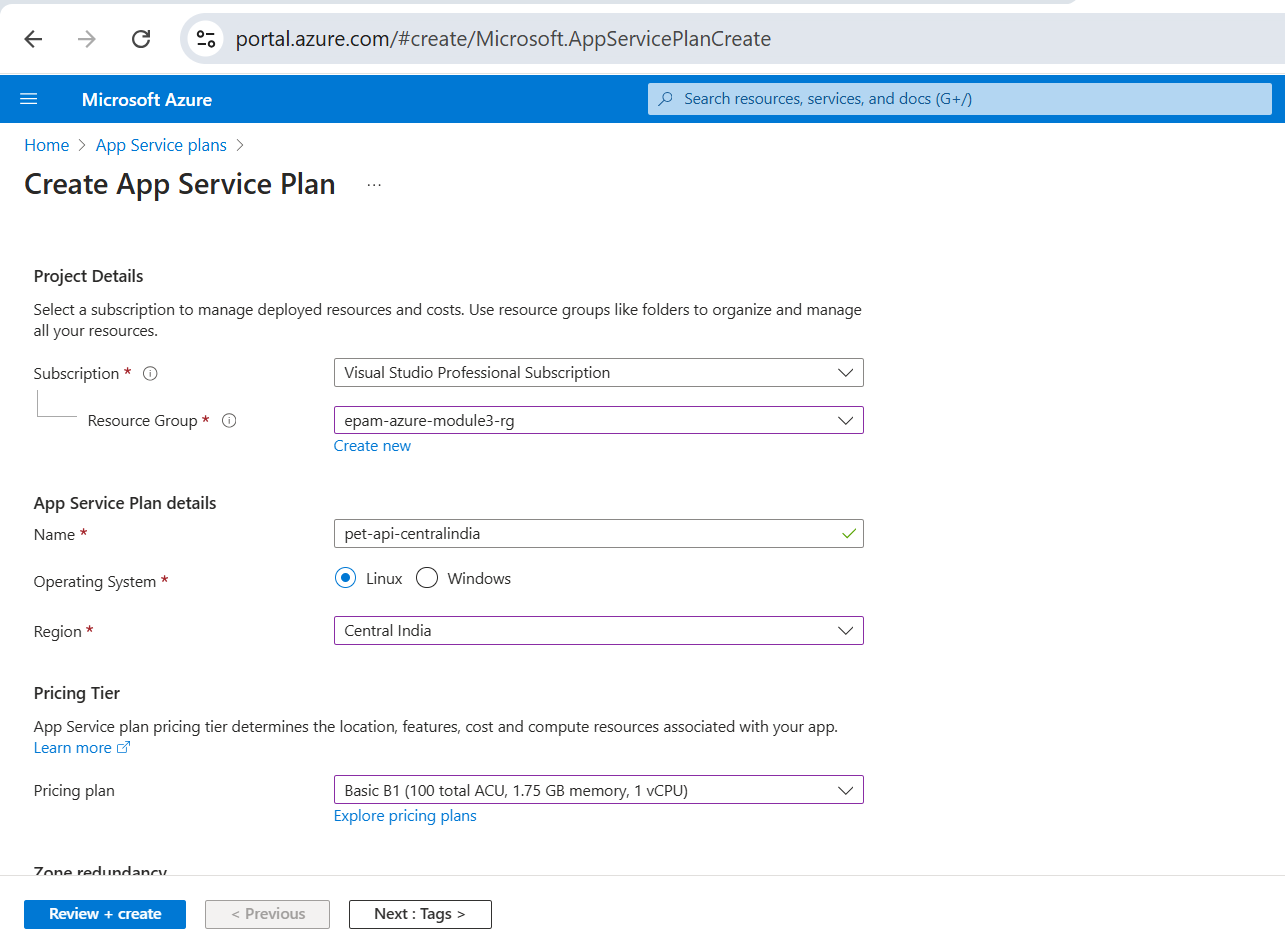
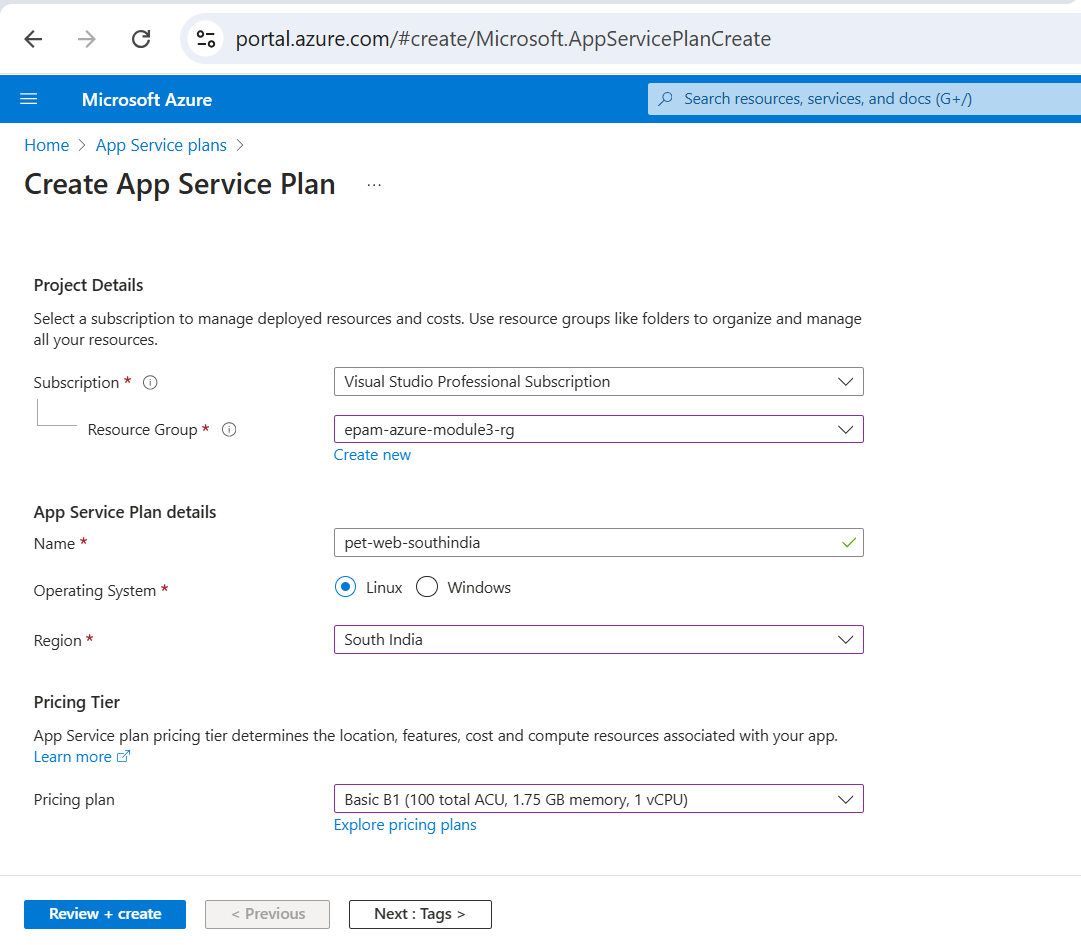
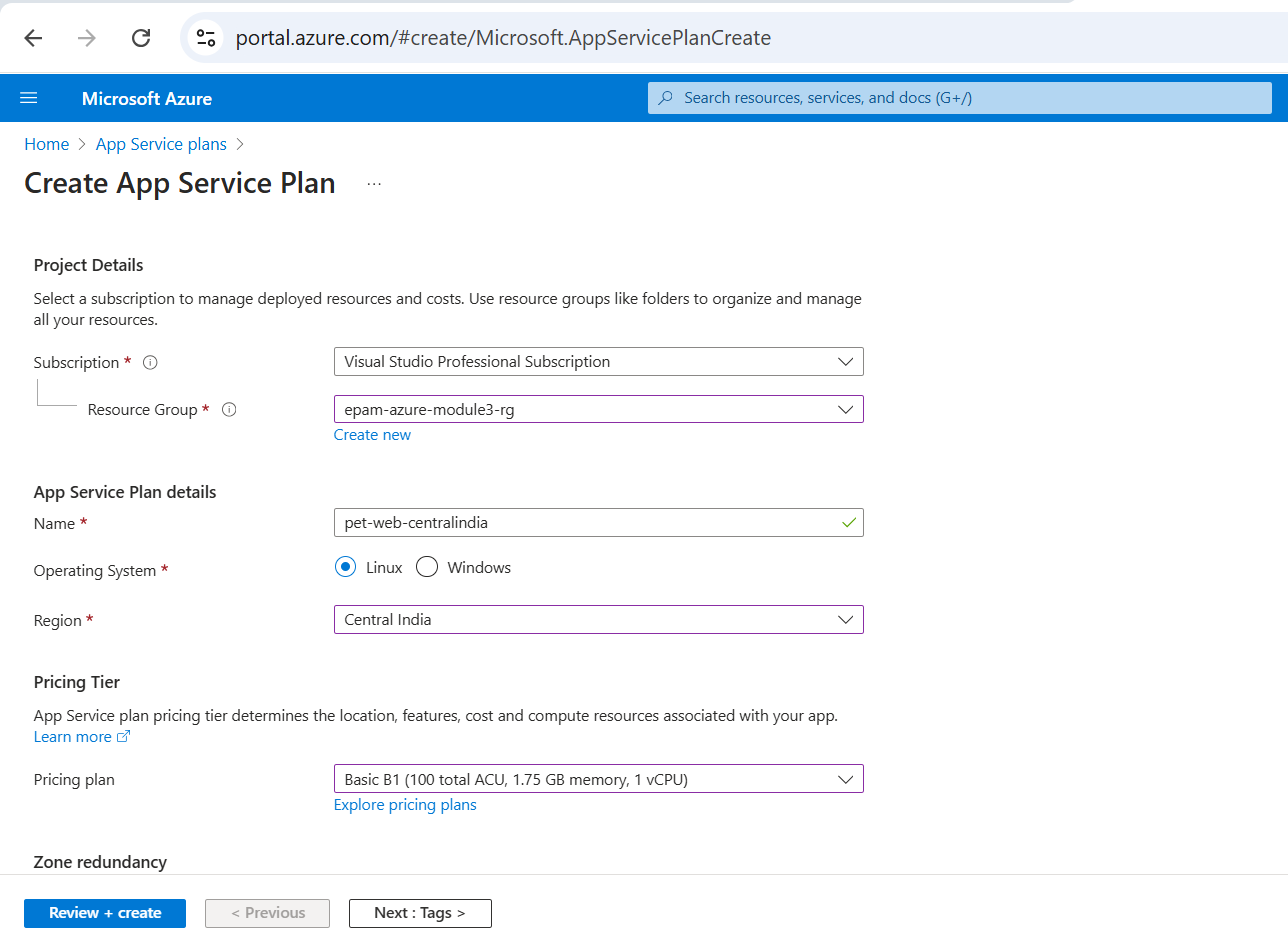
* + Screenshots documenting the Docker image build and push process to the ACR.

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1. Deploy Services to Azure App Services
   * Screenshots of the Azure portal:
     + Creation of App Service Plans for PetStoreApp (Web) and Public API Services.

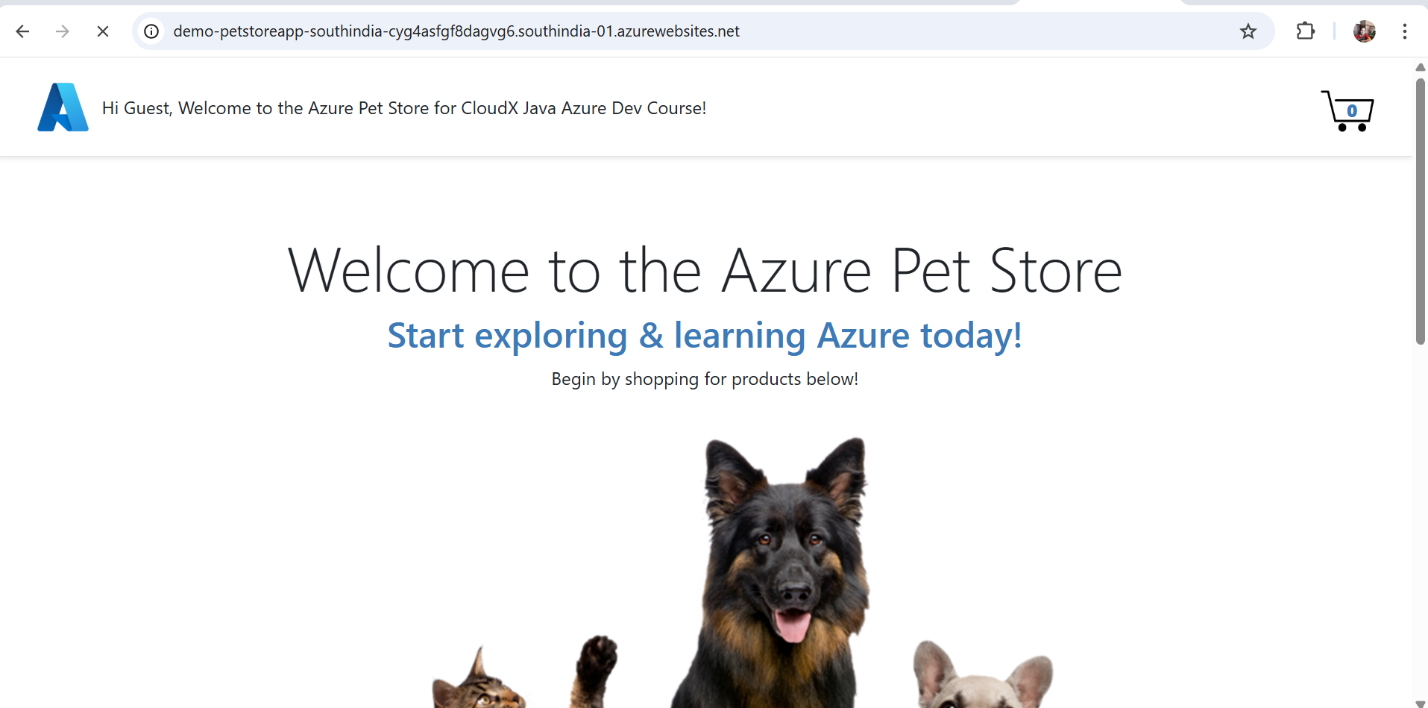


* + - Deployment of PetStoreApp (Web) to two different regions.

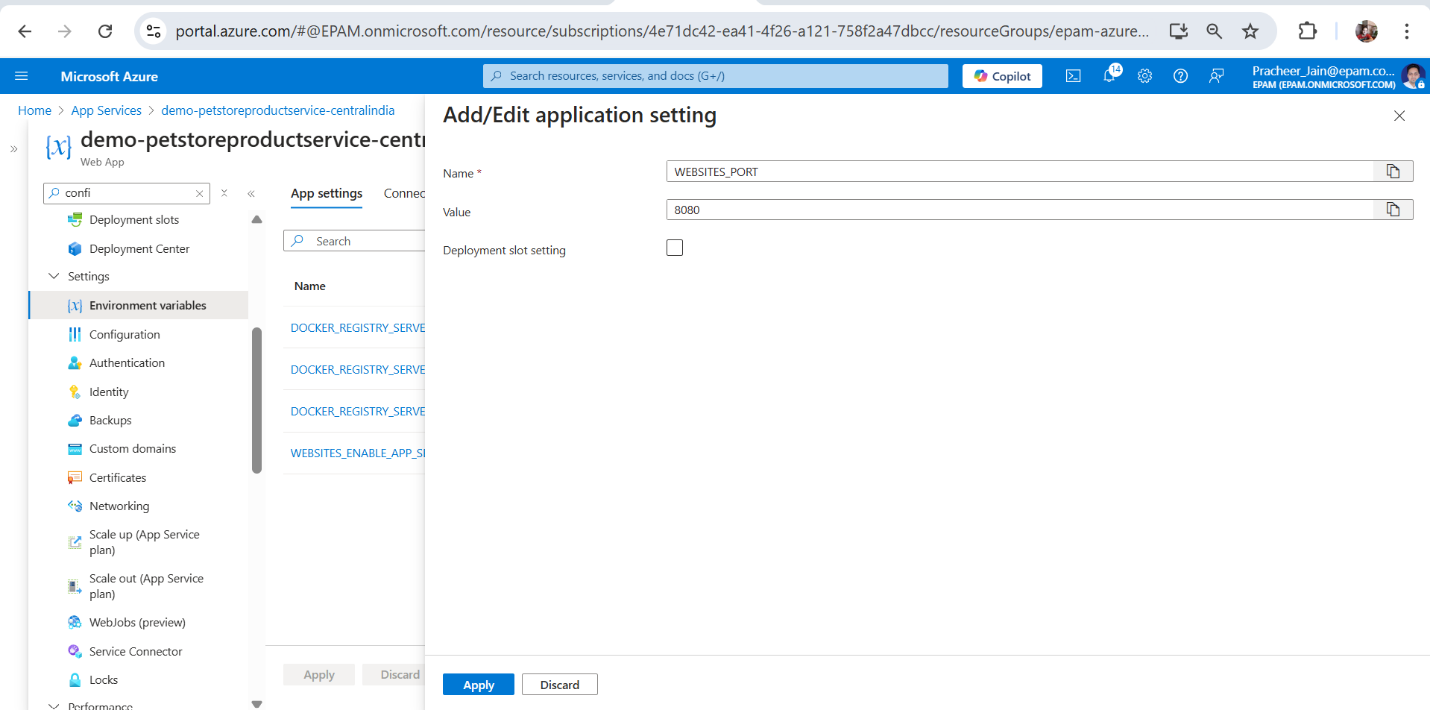
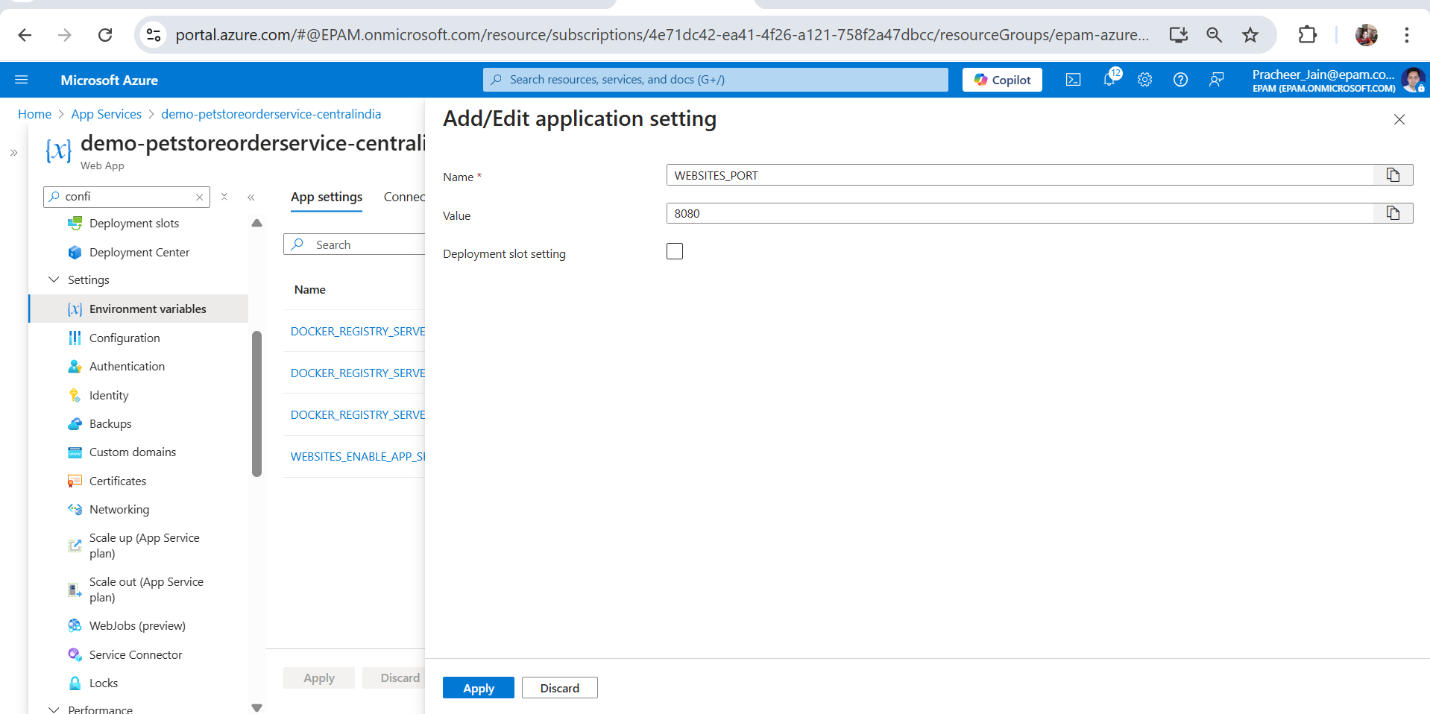
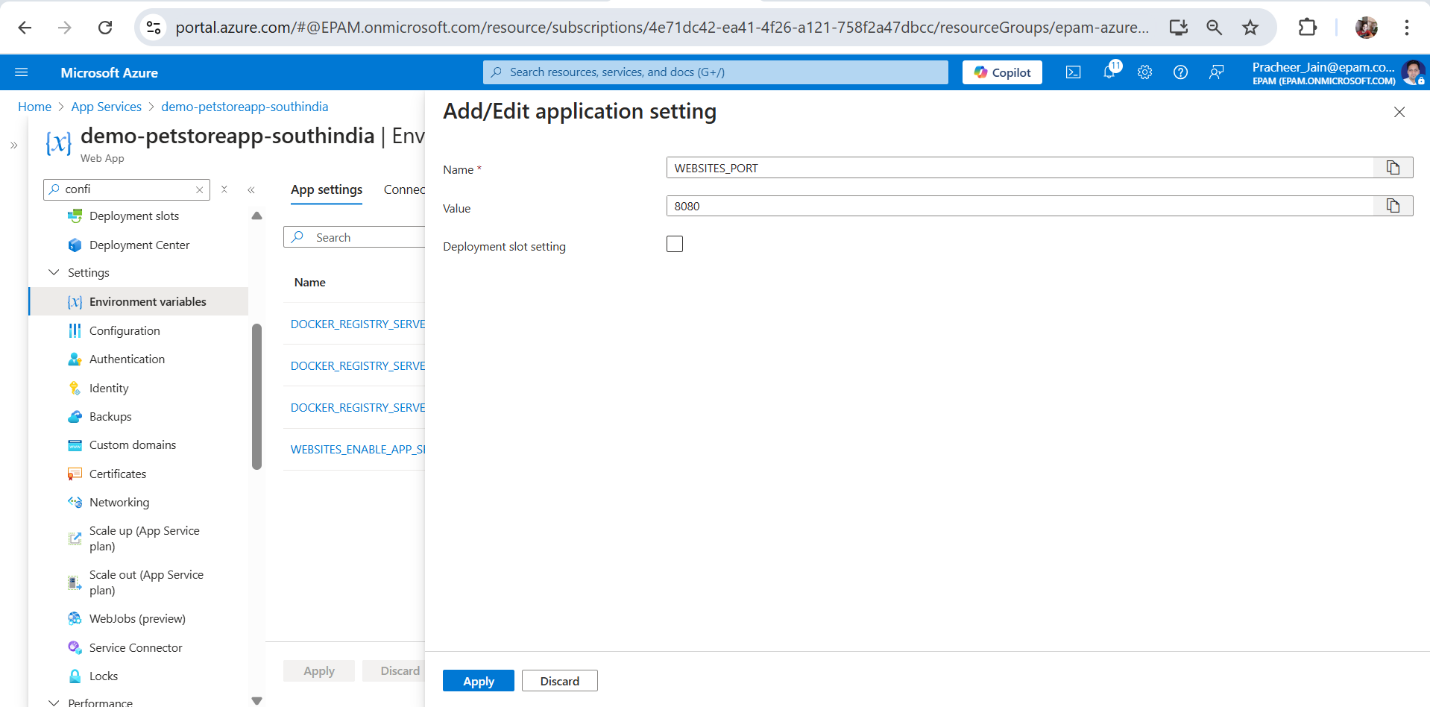
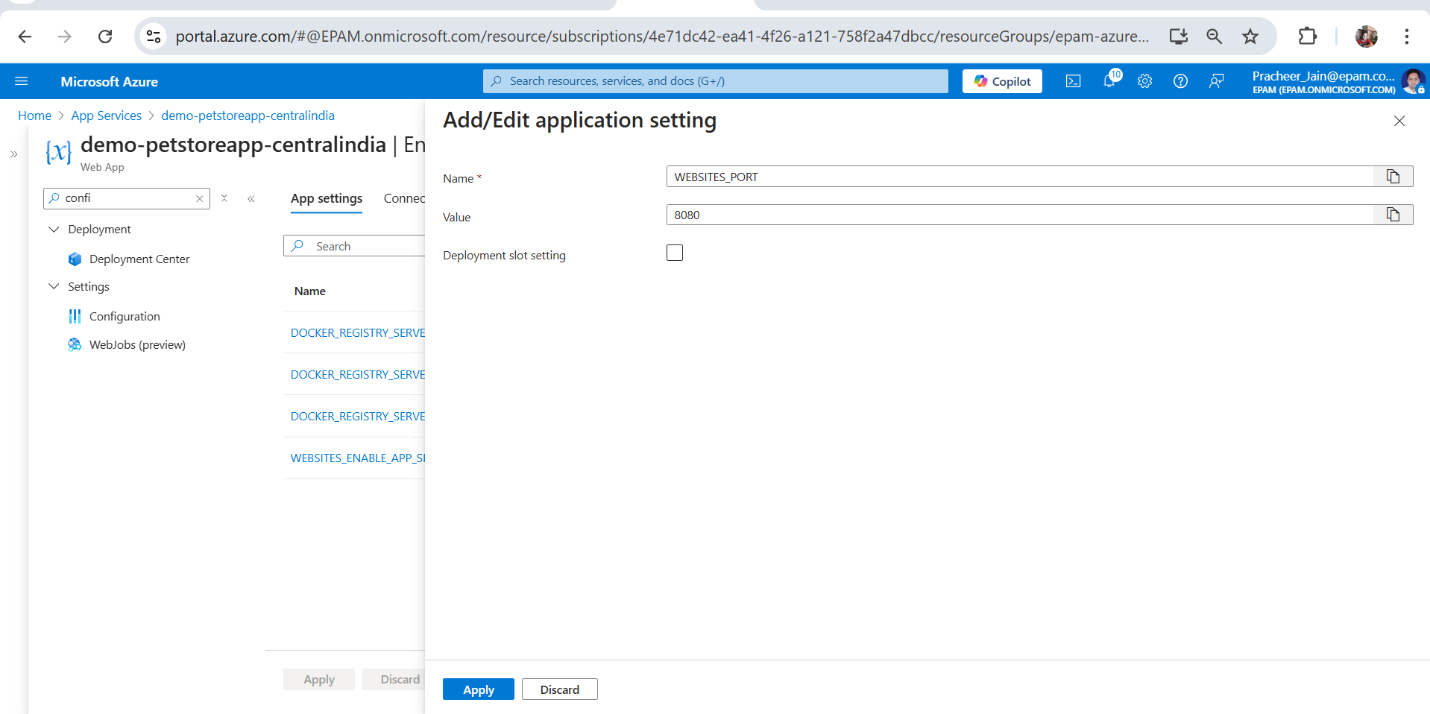
A screenshot of a computer

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AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.

* + - Configuration of environment variables for services communication.



1. Configure Auto-Scaling
   * Screenshots of the Azure portal:
     + Configuration of rules-based autoscaling for public API services.

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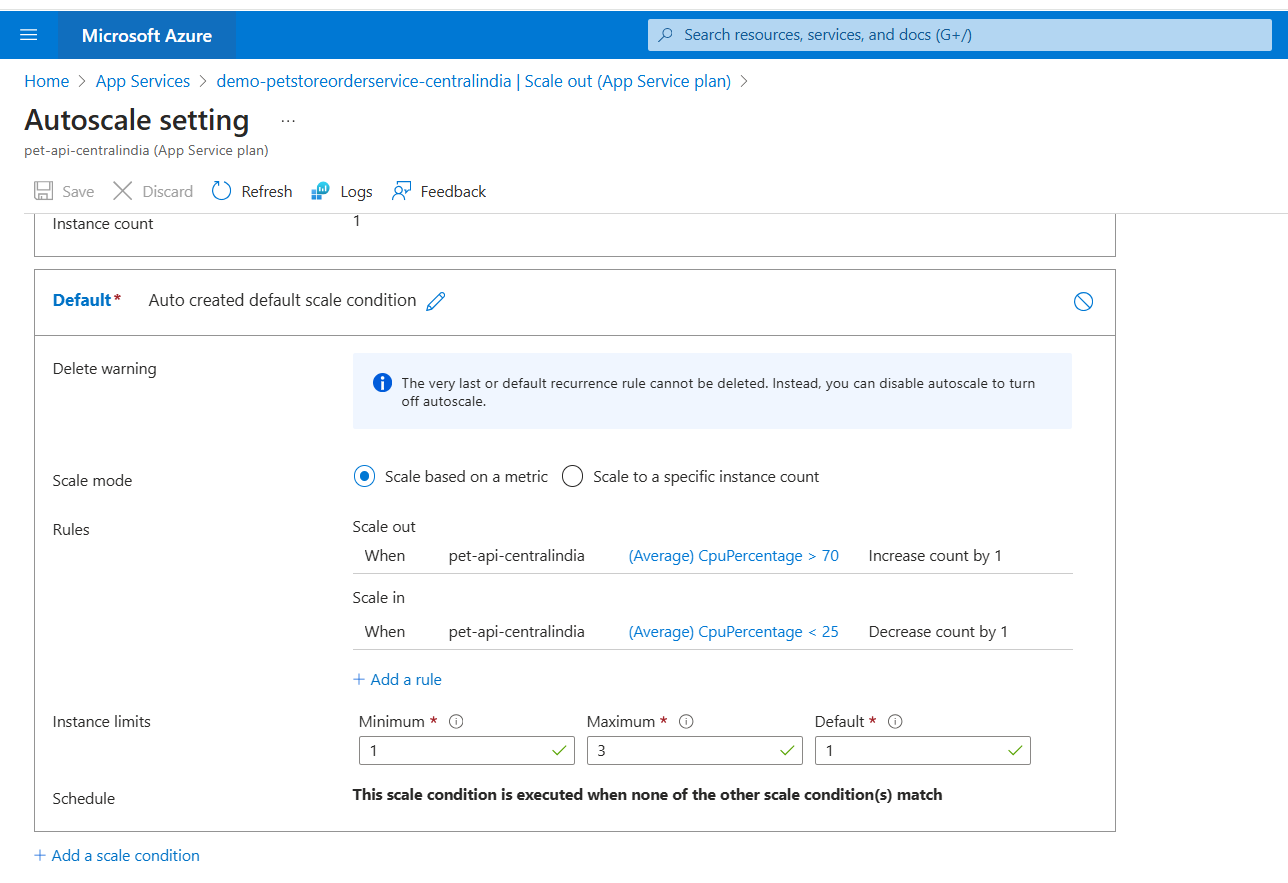
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* + - Setup of custom autoscale settings, including CPU usage thresholds.

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* + - Verification of autoscaling settings and rules.

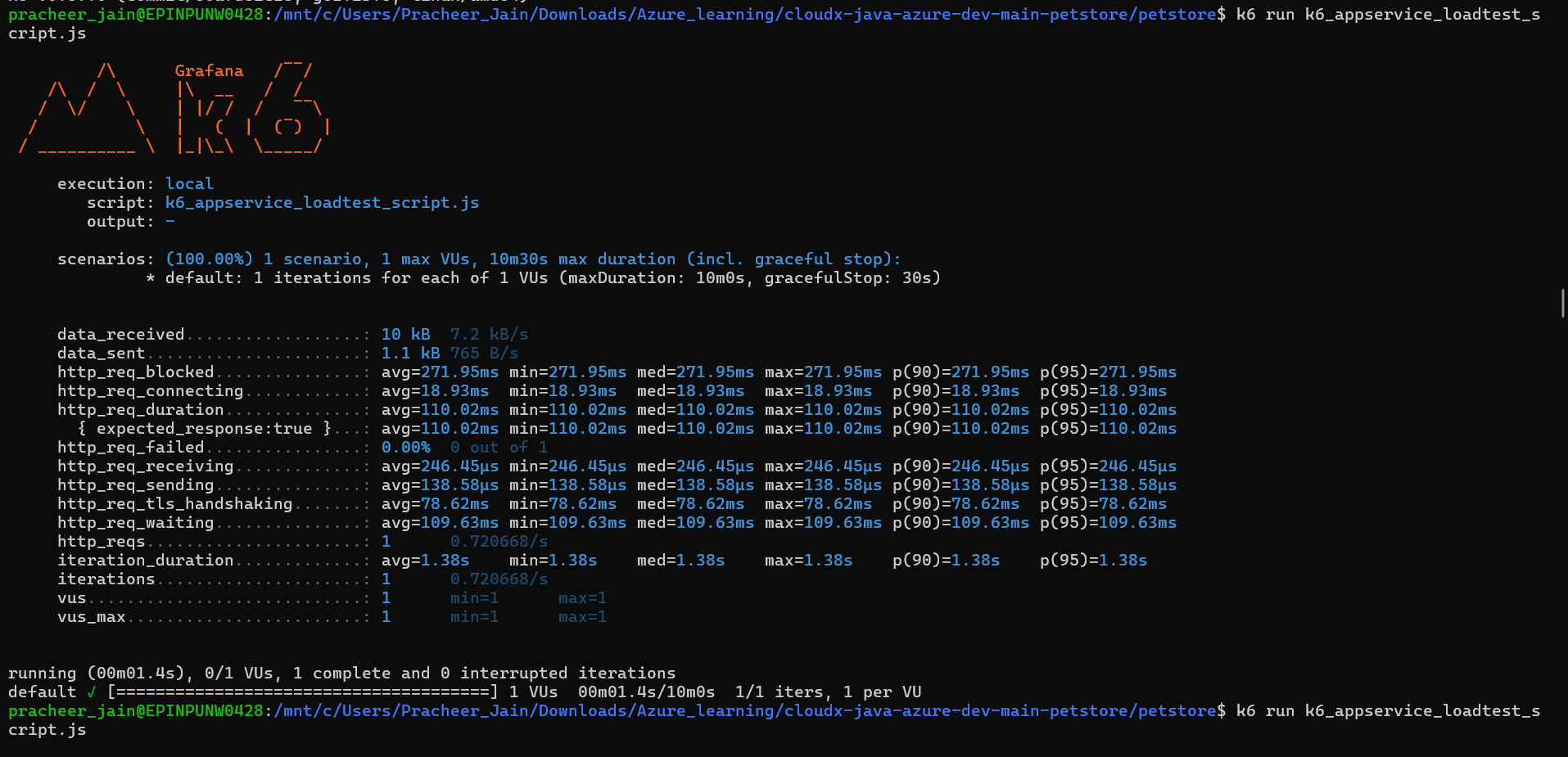


1. Test Autoscaling using k6 Tool
   * Screenshots of Swagger endpoints utilized for testing autoscaling.

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* + Screenshots of the k6 tool in use for testing autoscaling.



* + Screenshots of the results, particularly showing the scaling behavior under load.

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1. Set Up Deployment Slots for PetStoreApp
   * Screenshots of the Azure portal:
     + Creation of a deployment slot for PetStoreApp.



* + - Configuration of slot settings, including continuous deployment.

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* + - Successful push of an updated Docker image to the Azure Container Registry.

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* + - Testing of the deployment slot and verification of changes.

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* + - Screenshot of initiating the slot swap process.

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1. Configure Traffic Manager
   * Screenshots of the Azure portal:
     + Creation of a Traffic Manager profile.

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* + - Addition of endpoints representing different PetStoreApp instances.

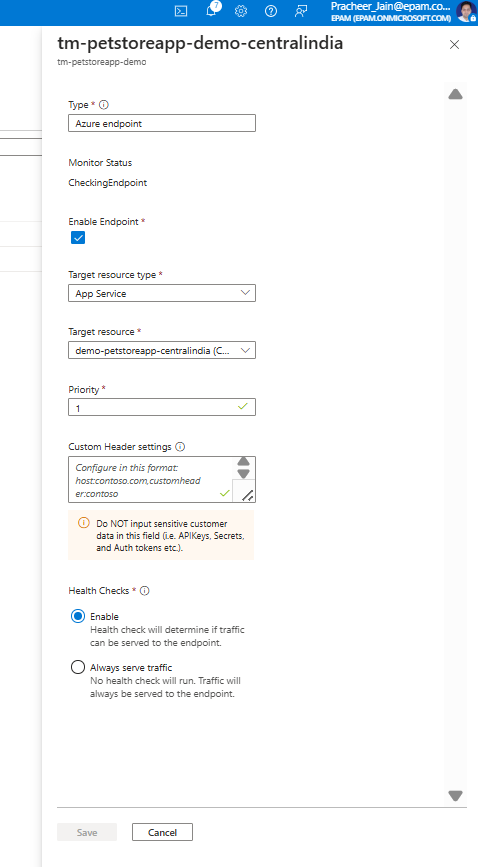
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* + - Configuration of health checks for endpoint availability.

A screenshot of a computer

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* + - Use of Traffic Manager URL to access the application.

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* + Screenshots or GIF-file:
    - Testing of the main application features through the Traffic Manager URL.

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1. A screenshot showing the list of Azure resources that correspond to the diagram.

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