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Lab Brief

Course: Azure Essentials

App Services | Web Apps, CDN

(Publish images to CDN and hyper link the images in a web page hosted on Web Apps)

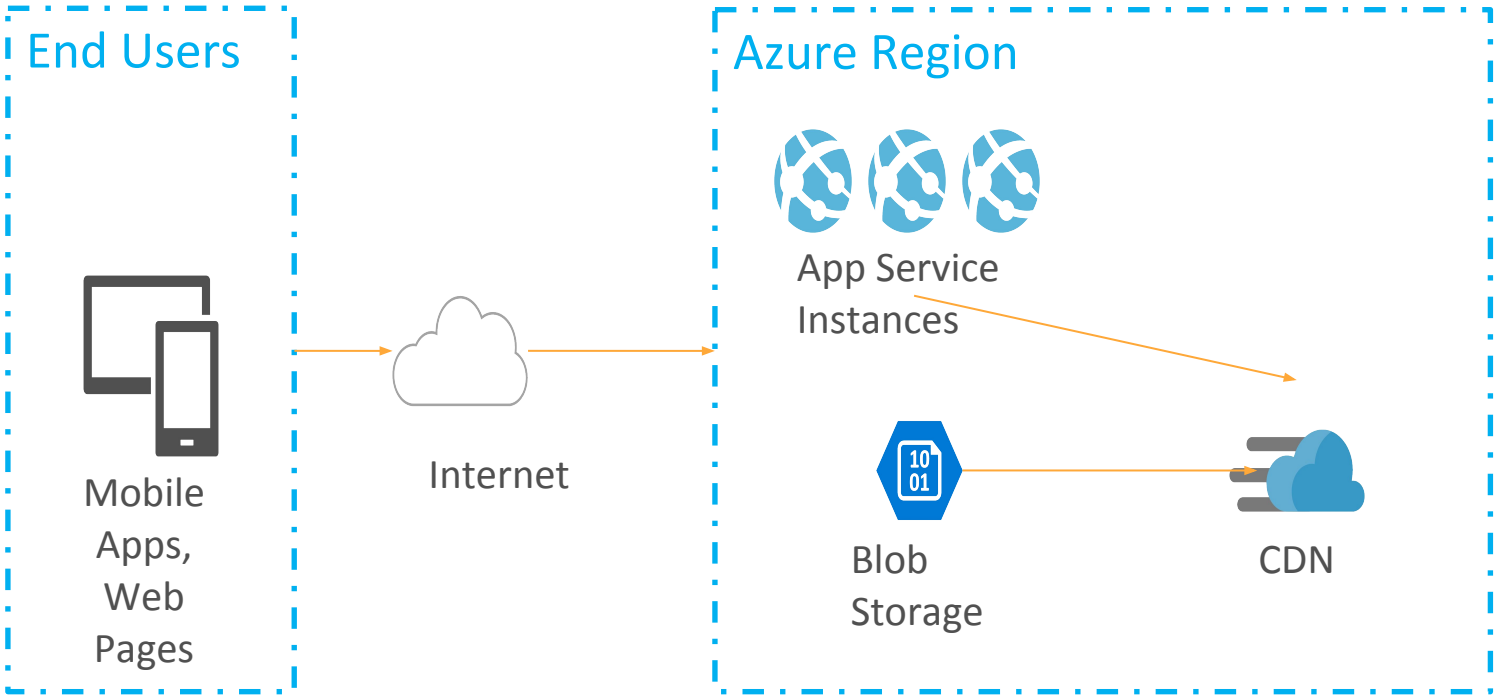
Hands on Lab Scenario

- WingTip Toys provides deals and offers to online buyers.
- The website has single static page that has several images that needs to loaded on page load.
- Each image has a hyper link that navigates to a specific page about the deal and offer.
- Wing Tip Toys expects several millions current hits when a new deal or offer is published. They are looking for web hosting solution that can scale automatically based on user traffic and be globally reachable.
- They are looking for cost effective solution with zero or very low maintenance overhead.
- In this hands on lab you will be required to design the solution that meets the requirements. Incorporate key functionalities such as PaaS, Autoscaling, CDN through a simple demo.

Learning Outcomes

1. Create App Service instance with App Service Plans
2. Provision CDN by choosing from different providers
3. Editing Content from App Services
4. Autoscale App Services based on user requests

Final Goal



What is needed?

1. Azure Subscription
2. App Services – Windows/Linux
3. Azure Storage Account
4. Azure CDN
5. Azure Portal
6. Image Editor to create sample images

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Important Information

When can you access the lab environment?
Please refer Lab release announcement to get details on Lab access duration

When do you get lab support?
Please refer Lab release announcement to know details of lab support session

Which region should you use on AWS Cloud?
North Virginia, unless any other AWS region is required. This will always be mentioned in the **Final Goal slide**.

How to do it?

Note : The Lab is to be performed in “Central US/West US” Region

1. Consider Azure Web App. Leverage in-browser editing capabilities of Azure Web App to edit default page and embed image hyper links.

2. Create Azure Storage Account with General Purpose option and LRS replication.

3. Create Sample images using any image editing tool.

4. Upload sample images to Azure storage account using portal.

5. Create CDN account and CDN endpoint in Azure portal and point it to storage account created in the previous step.

6. You will also need to configure CDN with caching rules that meets the requirements.

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What is expected in your Solution Doc?

1. Your solution document must be in PDF format.

2. You solution document MUST contain screenshots of all the main steps that you implemented from “How to do it?” section. Each of these screenshots should display expected details.

3. It should also include Clean-up steps screenshots. If you fail to include these screenshots your submission will not be evaluated and treated as incomplete.

4. Make sure your AWS user id is visible in all of the screenshots.

***Note**: You DO NOT NEED to include screenshot of each elementary step. For example, please do not take a screenshot of each of the 7 steps that you need to create an EC2 instance, and so on...*

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How to submit your solution?

1. Navigate to the relevant course in Olympus. You can also access the submission link through “Ongoing Activities” section on your dashboard.

2. Create your lab solution document based on the guidelines in the previous slide.

3. Name your solution document appropriately in the format of:
<BATCH>_<FIRSTNAME>_<LASTNAME>_<LabName>
    - e.g. PGPCCJUL18_VIJAY_DWIVEDI_ Lab_02_AzureEssentials.pdf
    - e.g. pgpccjul18_vijay_dwivedi_ Lab_02_AzureEssentials.pdf

4. Upload your solution document and hit submit.

5. Try to submit your solution at least 2 hours before the deadline to avoid any last minute anomalies.

***Note**: If you wish to make modifications to your submitted solution, you can resubmit your solution document “within the submission window” and mark your comments accordingly.*