



2018 NORTH AMERICAN MCT SUMMIT

February 26 – 28, 2018
Bellevue, WA



How to Prep for Azure Courses and Workshops

February 26 – 28, 2018

Bellevue, WA



TAKE A MOMENT
TO THANK OUR
SPONSORS...

PLATINUM



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SUMMIT SUPPORTERS



Tiago Costa

MVP – Office Server and Services

MCT – Microsoft Certified Trainer

MCT Regional Lead

IT Consultant, Trainer, Author and Speaker

MCT since 2006

Microsoft
CERTIFIED
Trainer



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Follow me @tiagocostapt



"If having a coffee in the morning
doesn't wake you up, try to delete a
table in production instead"

*unknown
developer*

People say Portugal is a breathtaking country



Who would want to lie on beaches like this one?



Look at the color of the water — it's just gross!



Lisbon, bahhhhh



The whole city lives in the past...



Wine is terrible...



The architecture in the country is so boring



No class at all...



IT Conferences have no interest at all...



Just stay at home...



And never come to Portugal!!!



Agenda

Importance of Azure for MCTs

Introduction to Azure

Azure Cloud Shell

MOC GitHub Repos

Azure Class tips



Slides and Demos

<https://github.com/tiagocostapt/Presentations>



Importance of Azure for MCTs



Skilling the Workforce of Tomorrow, Today



Microsoft Azure

2nd largest Public Cloud Provider

42 Azure regions, more than any cloud provider.

Microsoft Bet on Azure is massive.
Huge effort in migrate customer from on-prem to Azure.

Why Azure?

Huge demand from customer (Starting now in some geography's).

Ability to work with such an amazing product.

Fun to teach! Every delivery is a different delivery of the same course.



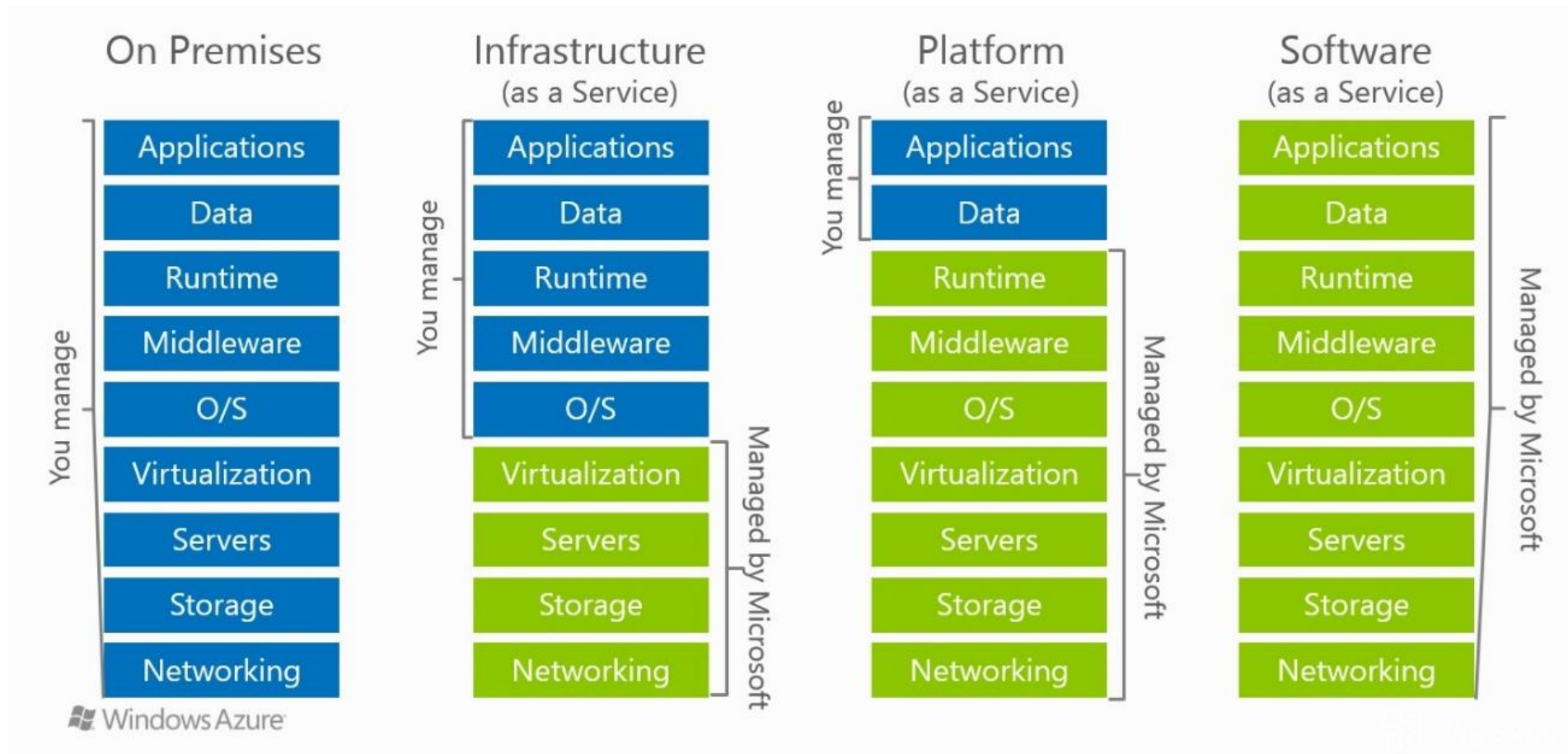
Introduction to Microsoft Azure



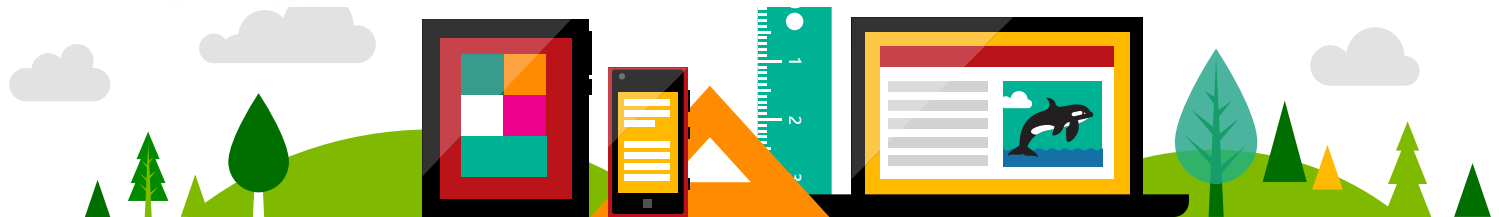
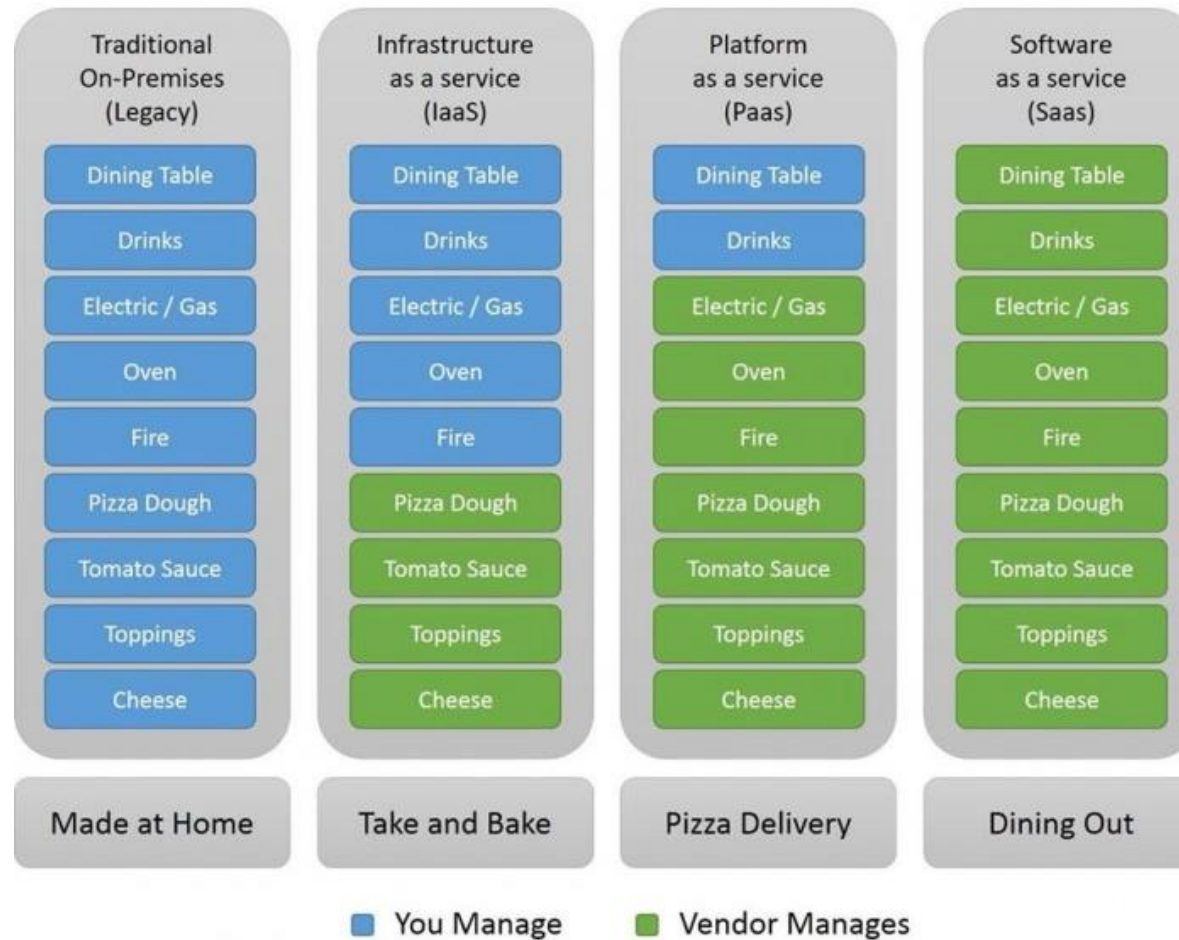
Introduction



Cloud Models

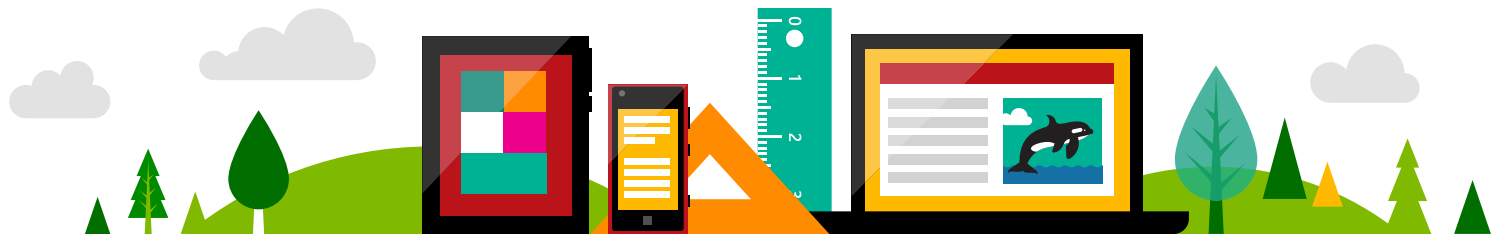
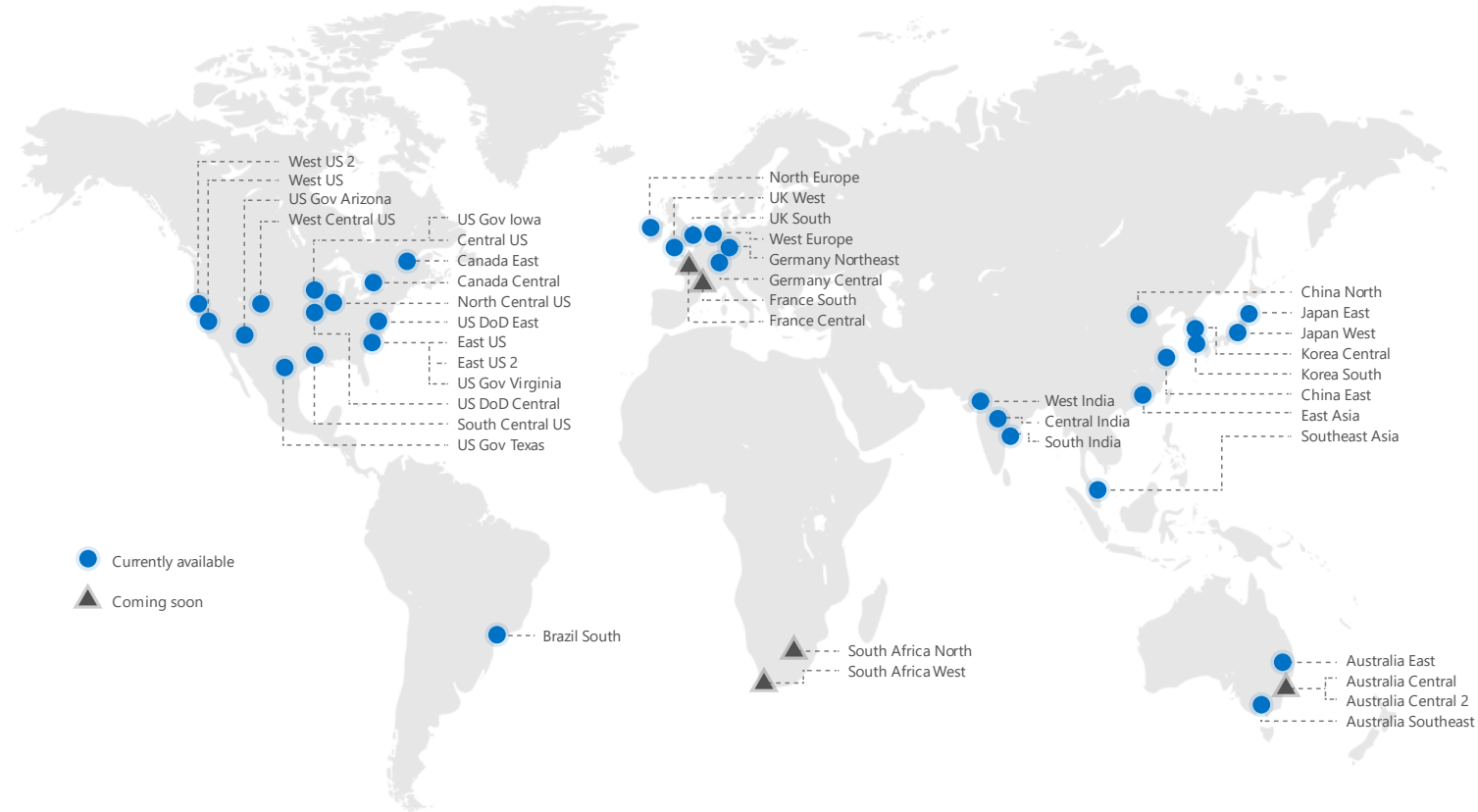


Cloud Models – a funnier way!!!



Azure Regions

42 Azure Regions, more than any other cloud provider



Special Azure Regions

Germany Region

China Region

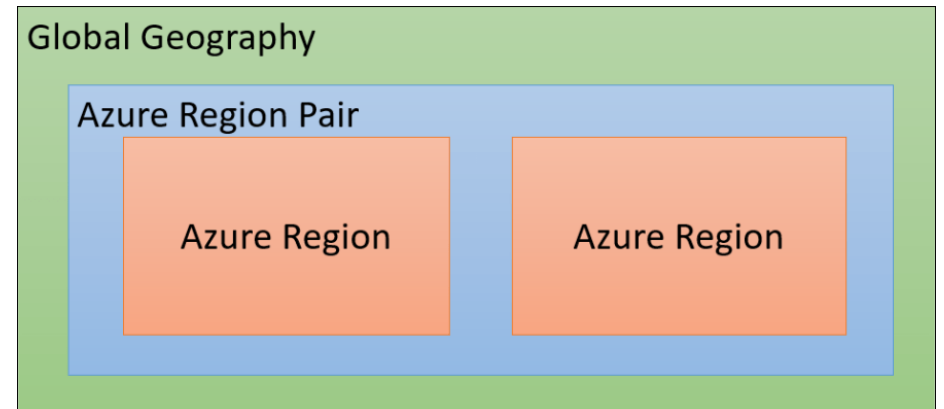


Pair Azure Regions

Azure Regions in a Pair have direct connections which bring additional benefits to use them together.

Each Azure Region in a pair are always located greater than 300 miles apart when possible.

Not all services are available in all regions



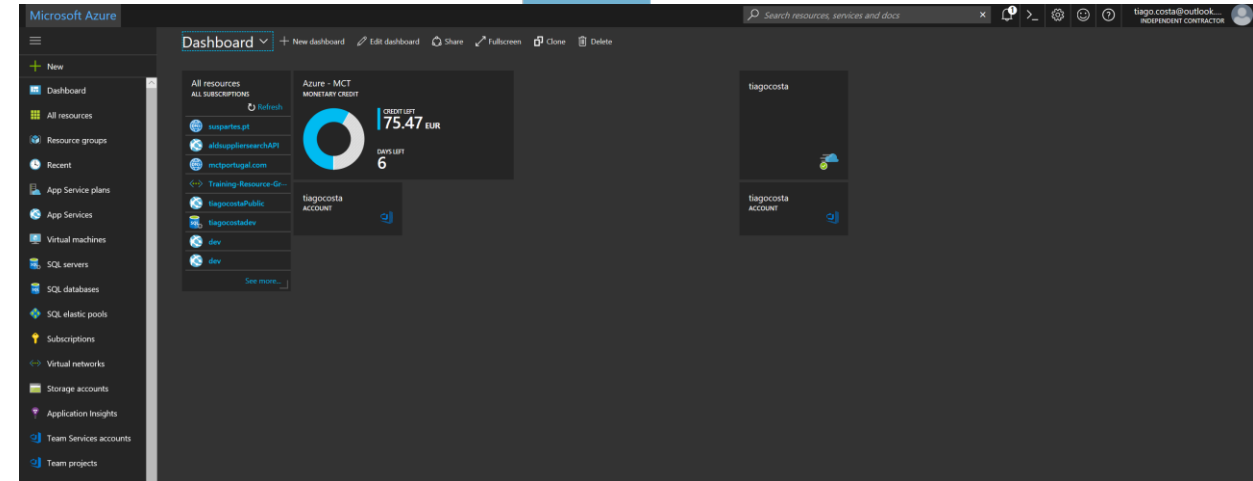
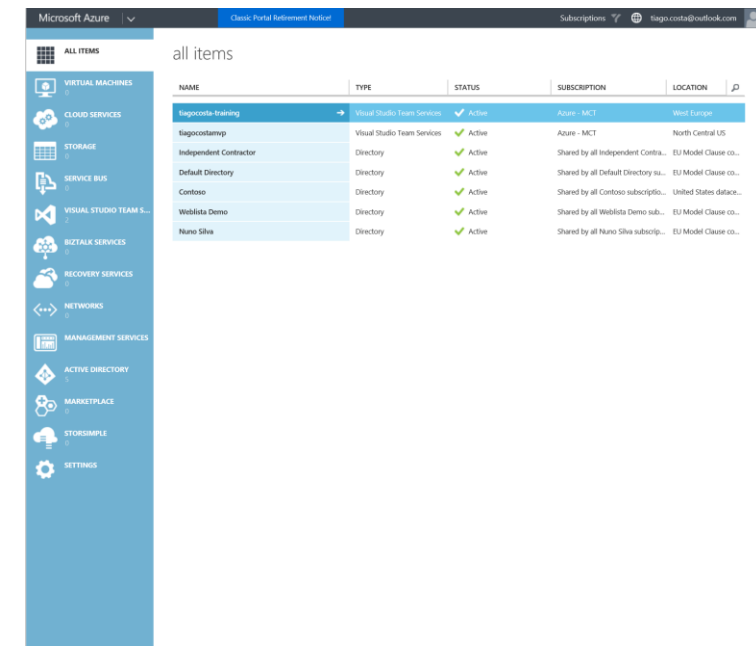
Azure Portals

OLD Portal – Retired on 8 Jan 2018!!!!

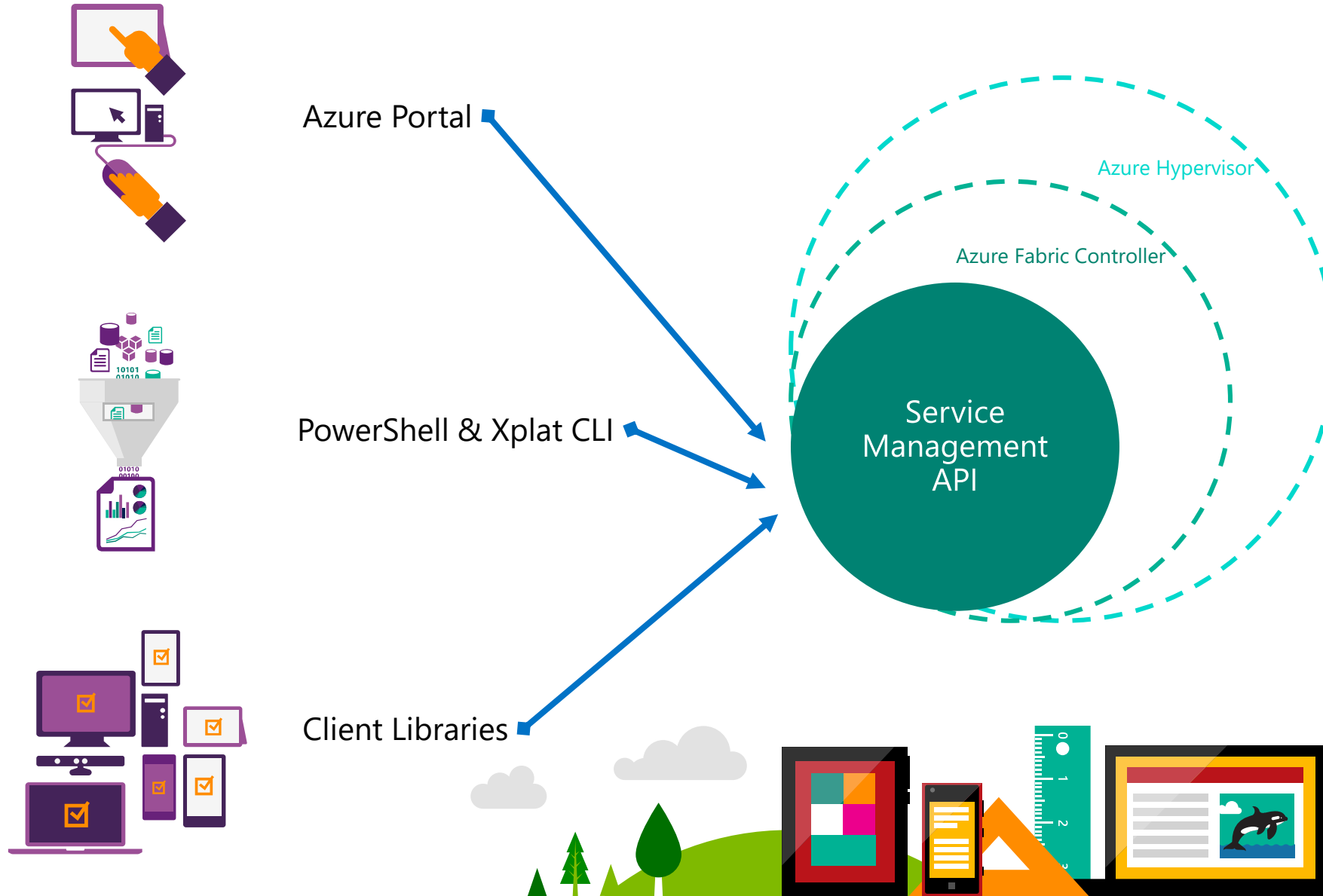
<https://manage.windowsazure.com>

Current Portal

<https://portal.azure.com>



Azure Portals



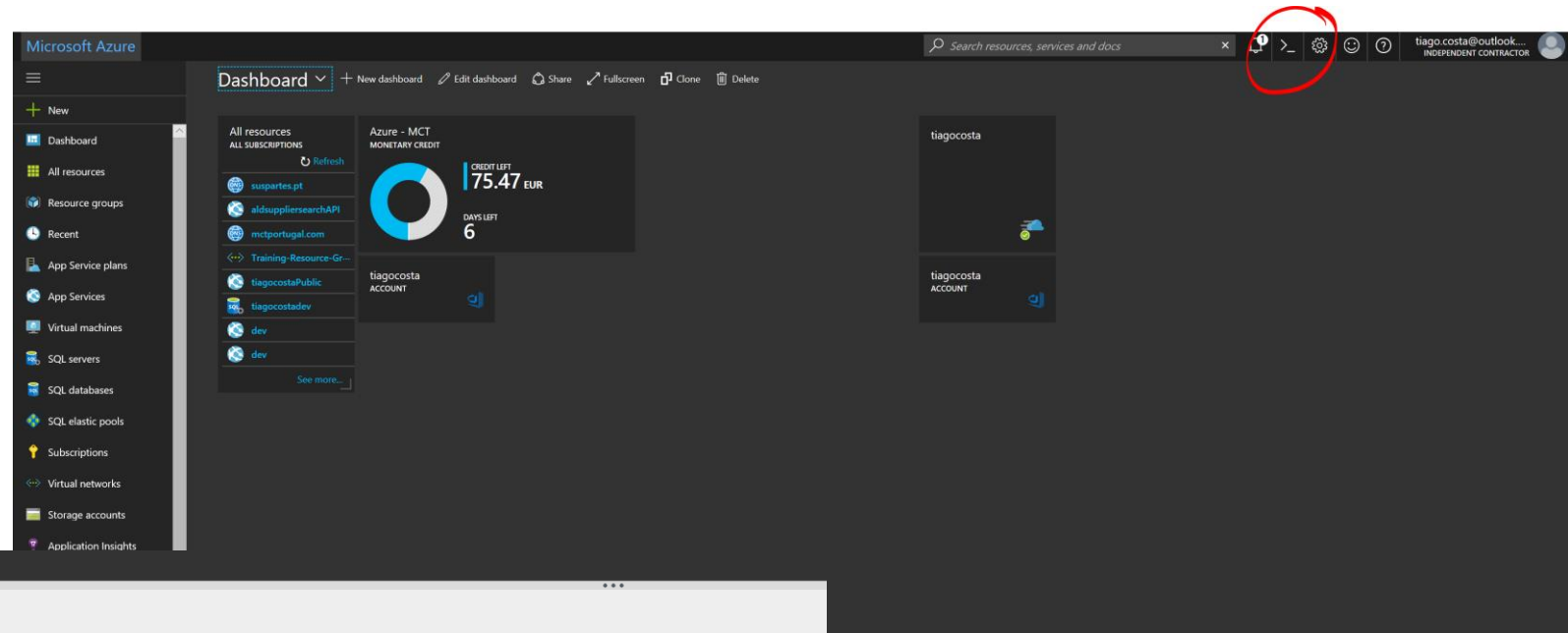
Azure Cloud Shell



Cloud Shell

PowerShell (Windows)

CLI (Windows and Linux)



```
More services >
PowerShell ?
Requesting a Cloud Shell.
PowerShell may take up to a minute...Succeeded.
Connecting terminal...

Welcome to Azure Cloud Shell (Preview)

Type "dir" to see your Azure resources
Type "help" to learn about Cloud Shell

VERBOSE: Authenticating to Azure ...
VERBOSE: Building your Azure drive ...
Azure:\
PS Azure:\> 
```



Cloud Shell

Demonstration

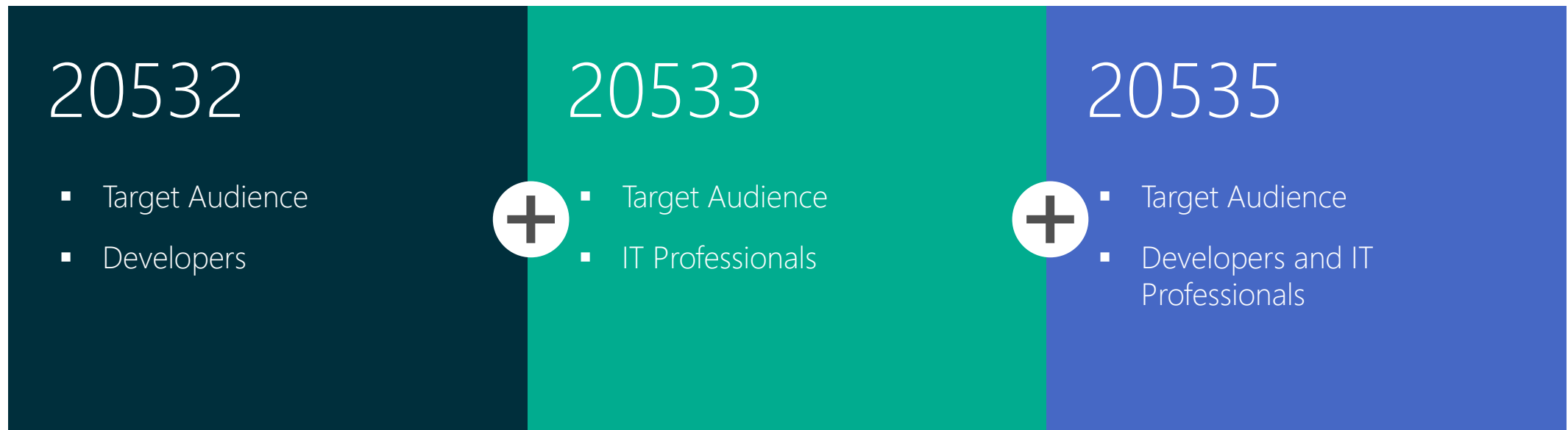
<https://shell.azure.com>

Azure Courses



Azure Courses - MOC

Several MOC courses that teaches Azure, but this ones are only focus on Azure:



Azure Certifications

3 major Azure related certifications:

MCSA: Cloud Platform

Pass 2 exams (70-532, 70-533, 70-535, 70-537)

MCSA: Linux on Azure

Pass 2 exam (70-533 and LFCS)

MCSE: Cloud Platform and Infrastructure

MCSA + 1 exam



Azure Workshops

35 different workshops

Usually 1 day

Different approach than traditional MOC



Azure Workshops – Some examples

Microsoft Cloud Workshop: Container and DevOps

Microsoft Cloud Workshop: Lift and Shift / Azure Resource Manager

Microsoft Cloud Workshop: Microservices Architecture (Infrastructure Edition)

Microsoft Cloud Workshop: Microservices Architecture (Developer Edition)

Microsoft Cloud Workshop: SQL Server Hybrid Cloud

Microsoft Cloud Workshop: Continuous Delivery in VSTS and Azure

Microsoft Cloud Workshop: Enterprise Class Networking in Azure



Azure Pass



Azure Pass

Each student gets their own pass. CPLS needs to “buy” it during the checkout process of the MOC at Arvato website.

Trainers can also get a Azure Pass at:

<https://vouchers.cloudapp.net/AzurePass/>

Balance is usually way more than what you need for a 5 day class.



Azure Pass – Create a new Sub

Creating an Azure Pass subscription is a two step process.

1. Redeem your Azure Pass Promo Code
2. Activate your subscription

Prerequisite: Have a clean Microsoft Account

You can create a new Microsoft Consumer Account – <https://signup.live.com>

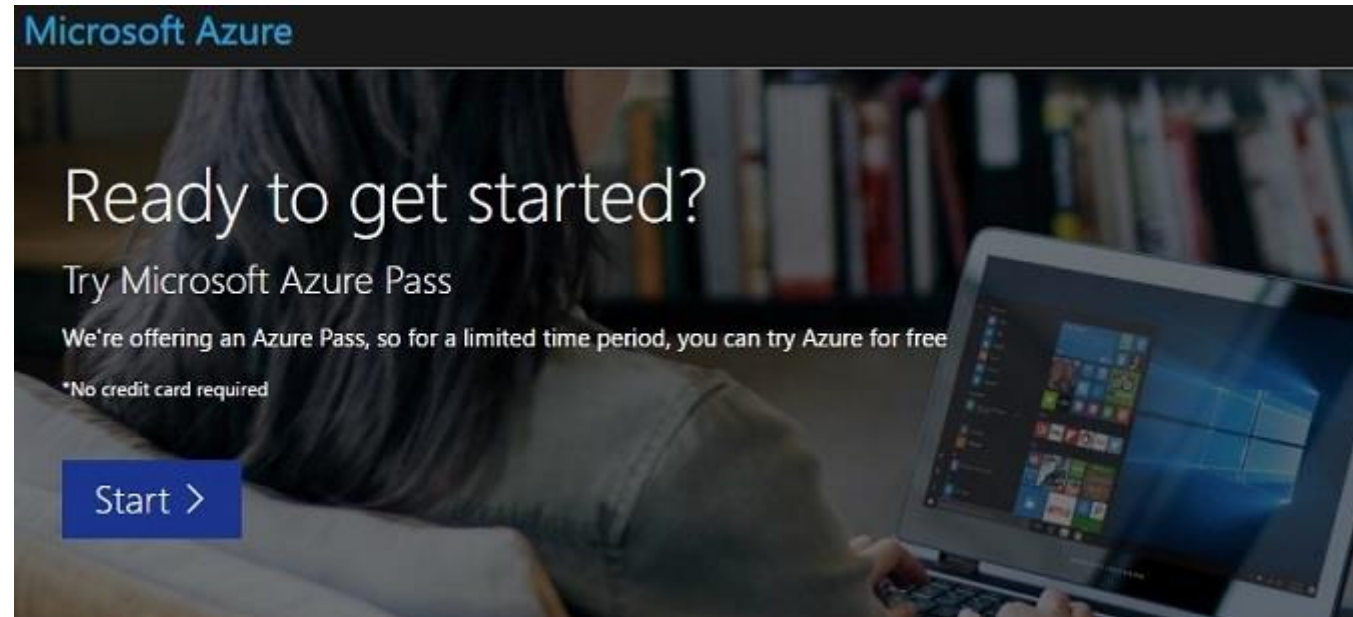


Azure Pass – Create a new Sub

Go to <https://www.microsoftazurepass.com/>



Azure Pass

A promotional banner for Microsoft Azure Pass. The background shows a person's hands on a laptop keyboard in a library setting. The text is white and centered on the left side of the banner.

Microsoft Azure

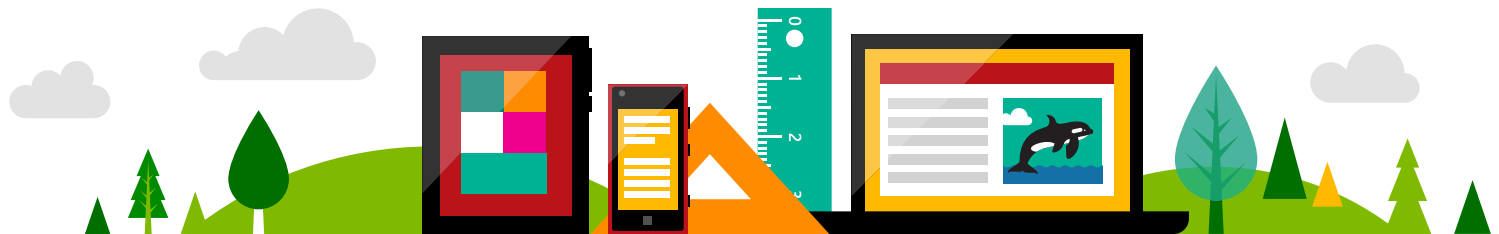
Ready to get started?

Try Microsoft Azure Pass

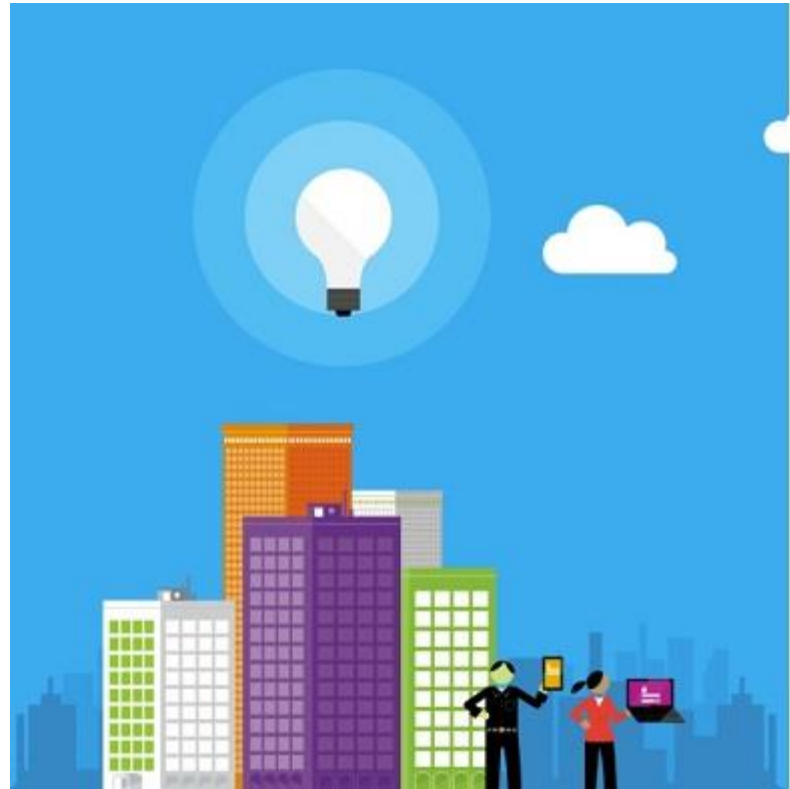
We're offering an Azure Pass, so for a limited time period, you can try Azure for free

*No credit card required

Start >



Azure Pass

The illustration on the left side of the login page features a bright blue sky with a large, glowing lightbulb in the center, surrounded by concentric circles. A single white cloud is positioned to the right of the lightbulb. Below the sky, a city skyline is depicted with several colorful buildings in shades of orange, purple, green, and grey. In the foreground, two stylized figures are shown: one in a black uniform holding a yellow smartphone, and another in a red shirt holding a laptop. The overall theme is technology and innovation.

Azure Pass

Work or school, or personal Microsoft account

Email or phone


Password

☐ Keep me signed in

[Sign in](#) [Back](#)

[Can't access your account?](#)

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Azure Pass

Microsoft Azure

MY ACCOUNTSIGN OUT

The following Microsoft Account will be used for Azure Pass:


Given name: AzurePassTest

Surname: Test

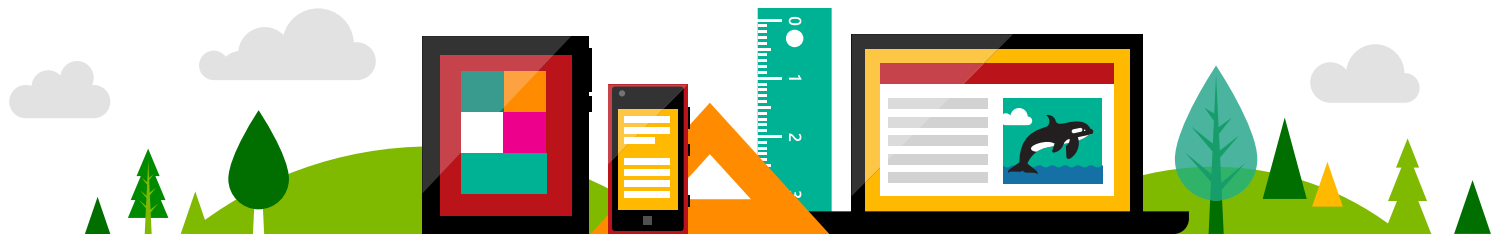
Microsoft Email: [REDACTED]@outlook.com

If the above email address is incorrect, please [sign out](#) and redeem using the correct Microsoft Account

Confirm Microsoft Account >

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Azure Pass

Microsoft Azure

MY ACCOUNTSIGN OUT

The following Microsoft Account will be used for Azure Pass:

Given name: AzurePassTest

Surname: Test


Microsoft Email: [REDACTED]@outlook.com

If the above email address is incorrect, please [sign out](#) and redeem using the correct Microsoft Account

Enter Promo code:

Enter promo code

Claim Promo Code

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Azure Passes

Microsoft Azure

MY ACCOUNTSIGN OUT

We are processing your request

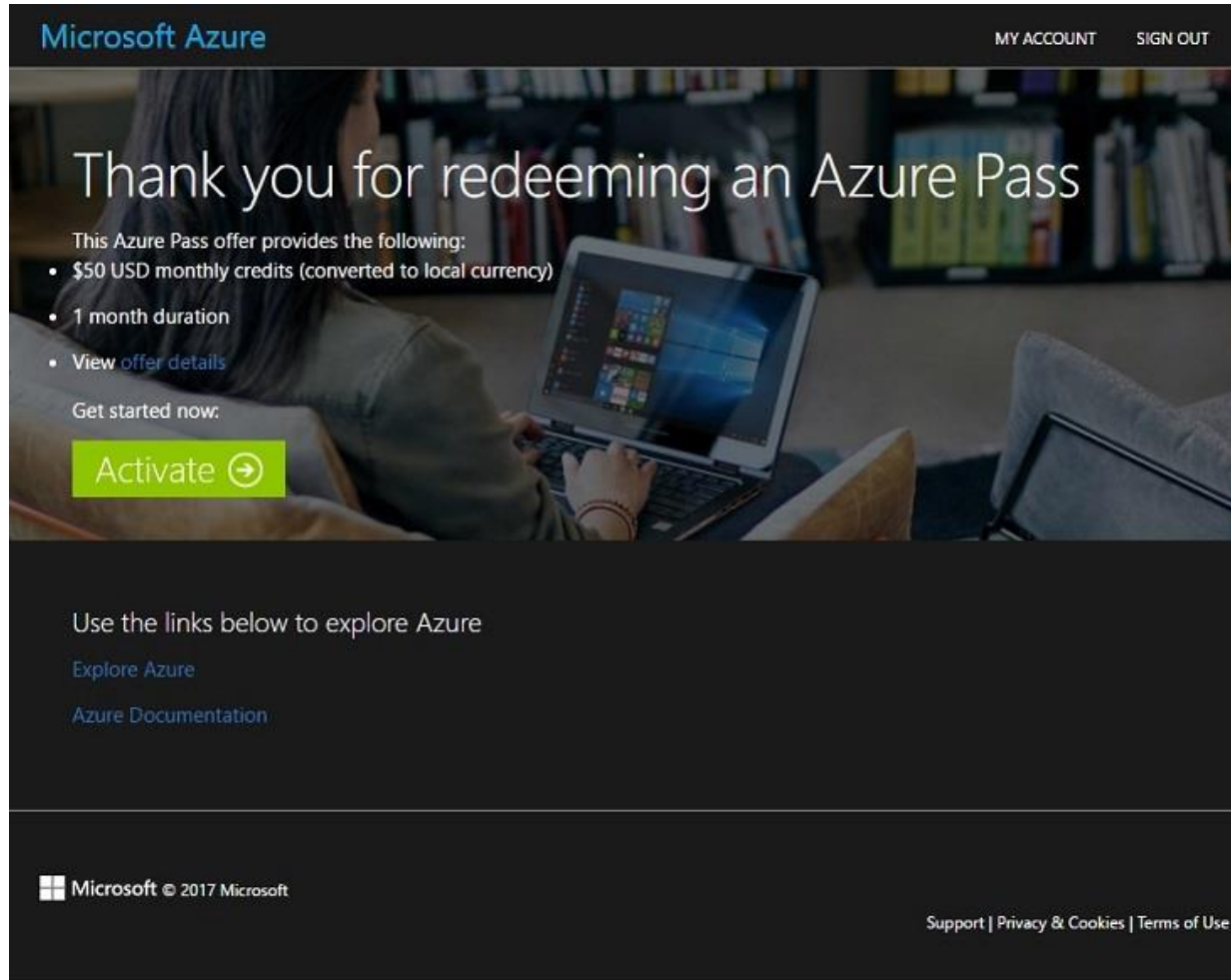
Allow up to 5 minutes for this request to complete fully.

Please do not navigate away from this page.

Do not refresh your browser window, or press the Back button.



Azure Pass



Microsoft Azure

MY ACCOUNT SIGN OUT

Thank you for redeeming an Azure Pass

This Azure Pass offer provides the following:

- \$50 USD monthly credits (converted to local currency)
- 1 month duration
- [View offer details](#)

Get started now:

[Activate](#) ➔

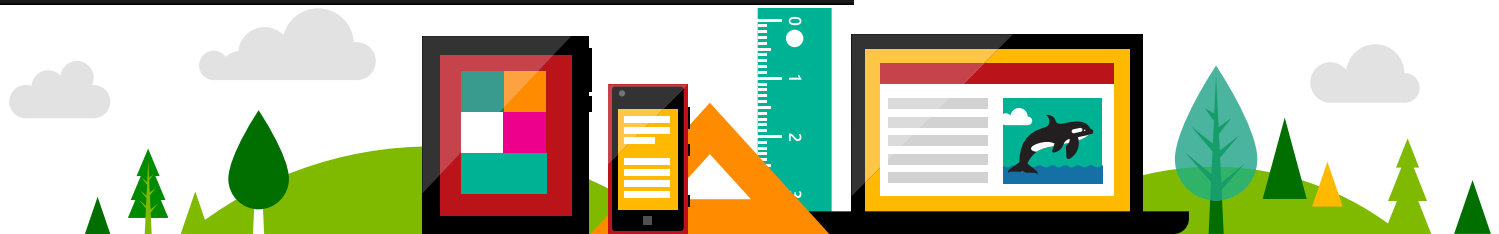
Use the links below to explore Azure

[Explore Azure](#)

[Azure Documentation](#)

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Azure Pass

Microsoft Azure Sign up azpassexample11@outlook.com

Azure Pass

Learn more ▾

1

⊖ About you

* Country/Region ⓘ

United States ▾

* First Name

Pass

* Last Name

Azure

* Email address for important notifications ⓘ

AzPassExample11@outlook.com

Organization

- Optional -

Next

2

⊕ Contact phone number ⓘ



Azure Pass

Microsoft Azure Sign up azpassexample11@outlook.com

Azure Pass

Learn more ▼

- 1 ⊕ About you ✓
- 2 ⊖ Contact phone number i

United States (+1) ▼

Example: (425) 555-0100

Next
- 3 ⊕ Agreement

Sign up ➔



Azure Pass

Microsoft Azure

Sign up

azassexample10@outlook.co

Azure Pass

Learn more ▾

1

⊕ About you

✓

2

⊕ Contact phone number

✓ ⓘ


3

⊖ Agreement

☒ I agree to the [subscription agreement](#), [offer details](#), and [privacy statement](#).

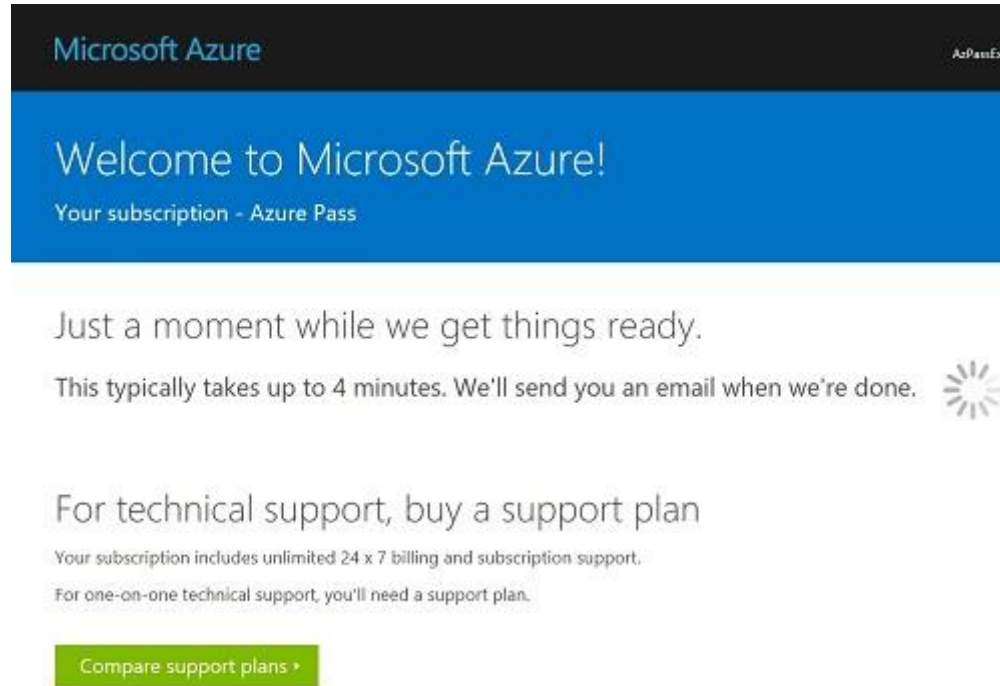
Microsoft may use my email and phone to provide special Microsoft Azure offers.

Sign up ➔

 We are creating your subscription. Do not close or refresh your browser.



Azure Pass



The screenshot shows the Microsoft Azure Pass welcome interface. At the top, a dark blue header contains the 'Microsoft Azure' logo on the left and 'AzPassExam' on the right. Below this is a large blue banner with the text 'Welcome to Microsoft Azure!' and 'Your subscription - Azure Pass'. The main content area is white and contains the following text: 'Just a moment while we get things ready.' followed by 'This typically takes up to 4 minutes. We'll send you an email when we're done.' and a loading spinner icon. Below this, it says 'For technical support, buy a support plan' and provides details: 'Your subscription includes unlimited 24 x 7 billing and subscription support. For one-on-one technical support, you'll need a support plan.' At the bottom of the main content area is a green button labeled 'Compare support plans >'. The entire page is framed by a light gray border.

Microsoft Azure

AzPassExam

Welcome to Microsoft Azure!

Your subscription - Azure Pass

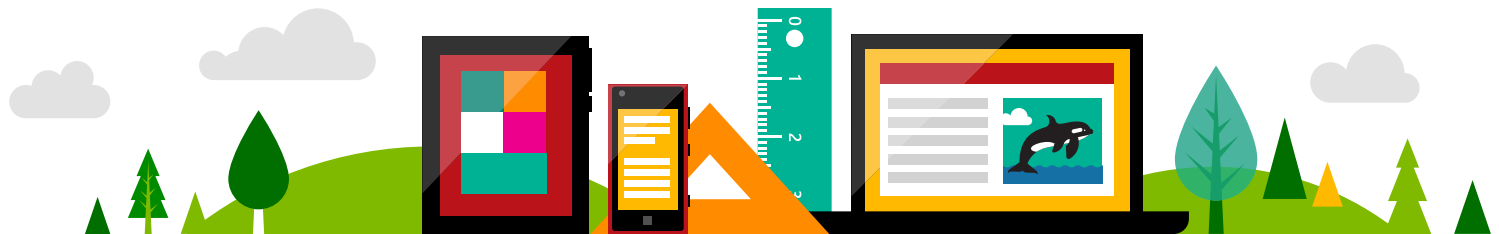
Just a moment while we get things ready.

This typically takes up to 4 minutes. We'll send you an email when we're done.

For technical support, buy a support plan

Your subscription includes unlimited 24 x 7 billing and subscription support.
For one-on-one technical support, you'll need a support plan.

[Compare support plans >](#)



Azure Pass



Your subscription is ready for you!

[Get started with your Azure subscription >](#)

For technical support, buy a support plan



MOC GitHub Repos



GitHub Repos

If you don't have a GitHub Account, Create one NOW!!!

GitHub used to share all the updated lab files

Main Link: <https://github.com/microsoftlearning>

20532 repo: <https://github.com/MicrosoftLearning/20532-DevelopingMicrosoftAzureSolutions>

20533 repo: <https://github.com/MicrosoftLearning/20533-ImplementingMicrosoftAzureInfrastructureSolutions>



GitHub Repos

Demonstration

Generate 20533 AllFiles and Lab Instructions via Pandoc

Welcome

Sidney Andrews

GitHub Repos – 20535

Uses Circle CI to automatically generates *.zip allfiles and Lab steps.

Based on a Docker Image



Azure Prep Training



Teaching Azure – Prep Tips

Always, but really always go thru the material before your class. – Every delivery is a different one!!!

Read Azure documentation

Follow Azure PGs in Social Media

Use apps like “feedly” to track down Azure Blogs

Make use of the Cloud Shell



Teaching Azure – Delivery Tips

Be prepared to changes during your class

Just prep your students for it

Create good expectations that Azure is always changing and we might get into issues during the class

Be prepared for Azure Pass issues



Resources



Resources

Microsoft Docs - <https://docs.microsoft.com/>

Azure Reference Architecture - <https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/>

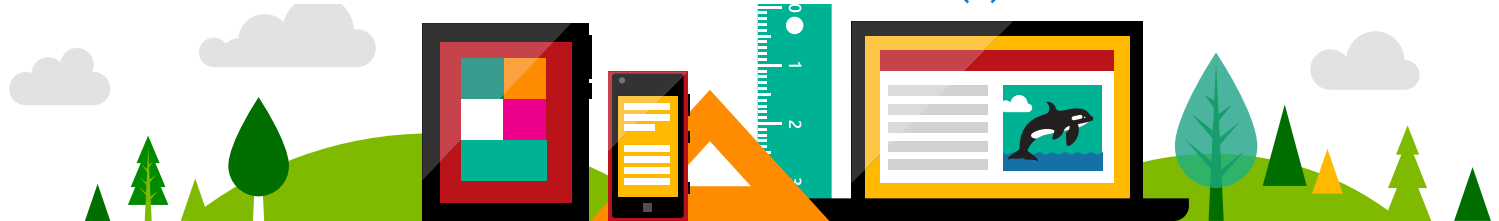
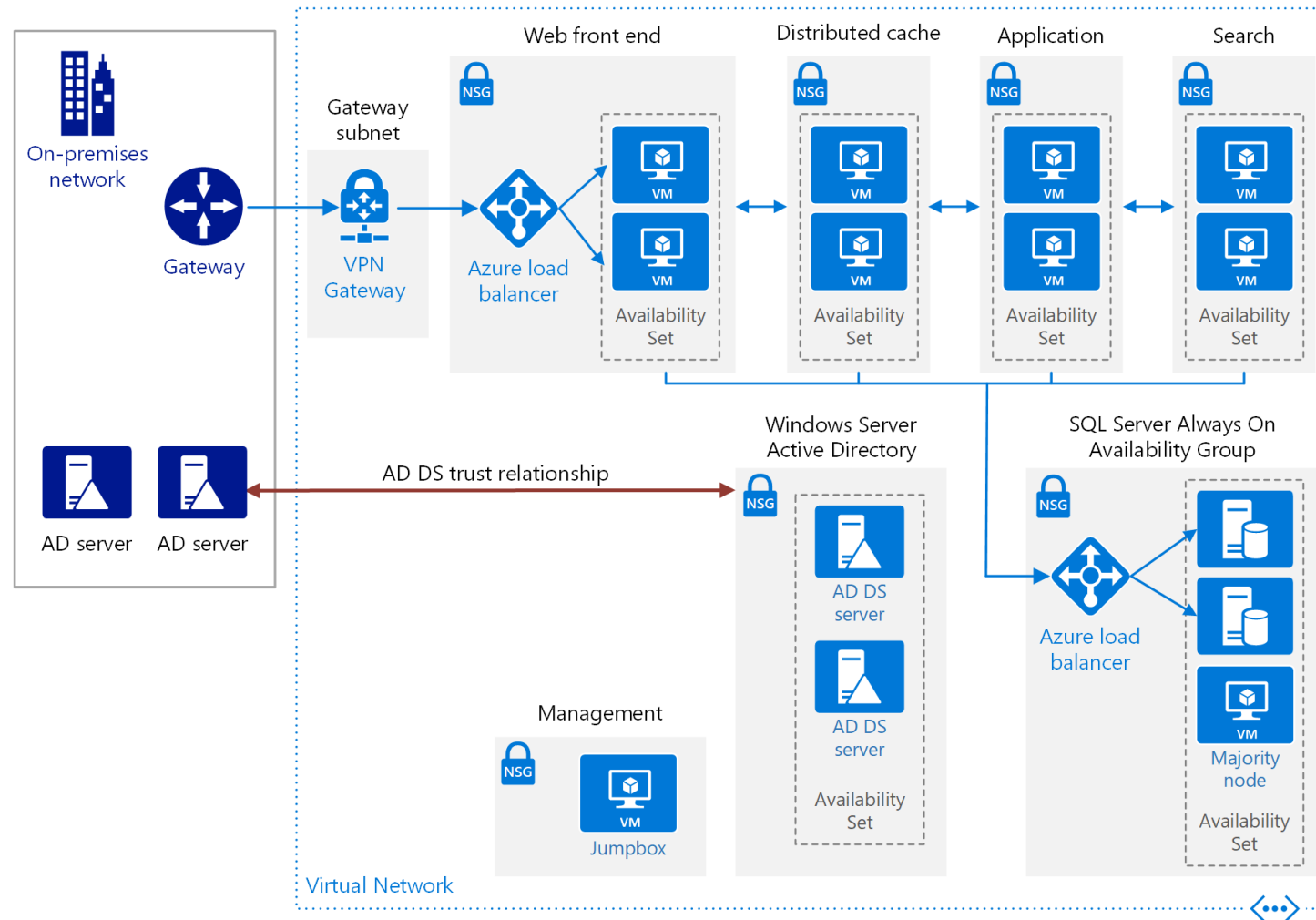
GitHub – <https://github.com/MicrosoftLearning/>

Template Building Blocks - <https://github.com/mspnp/template-building-blocks>

Azure Visio Stencils - <https://www.microsoft.com/en-gb/download/details.aspx?id=41937>



Resources



Questions



Thank You

This are some of the advantages of
starting to teach Microsoft Azure



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BRONZE



SUMMIT SUPPORTERS



TAKE A MOMENT TO GIVE FEEDBACK

Your Feedback Is Important. It Helps The Planning Team Learn What Works And What Does Not So That We Can Continuously Improve.

Feedback Is Also Required For Microsoft To Consider Funding This Event The Following Year.

WHERE IS THE SURVEY???



<https://namctsummit.learnondemand.net>

