



FOSSASIA 2019 Singapore

AKS Workshop

<https://aka.ms/aksfoss2019>

Darren Evans – OSS Tech Lead
Steve Chow – Cloud Architect
João Bilhim – Senior Sales Manager



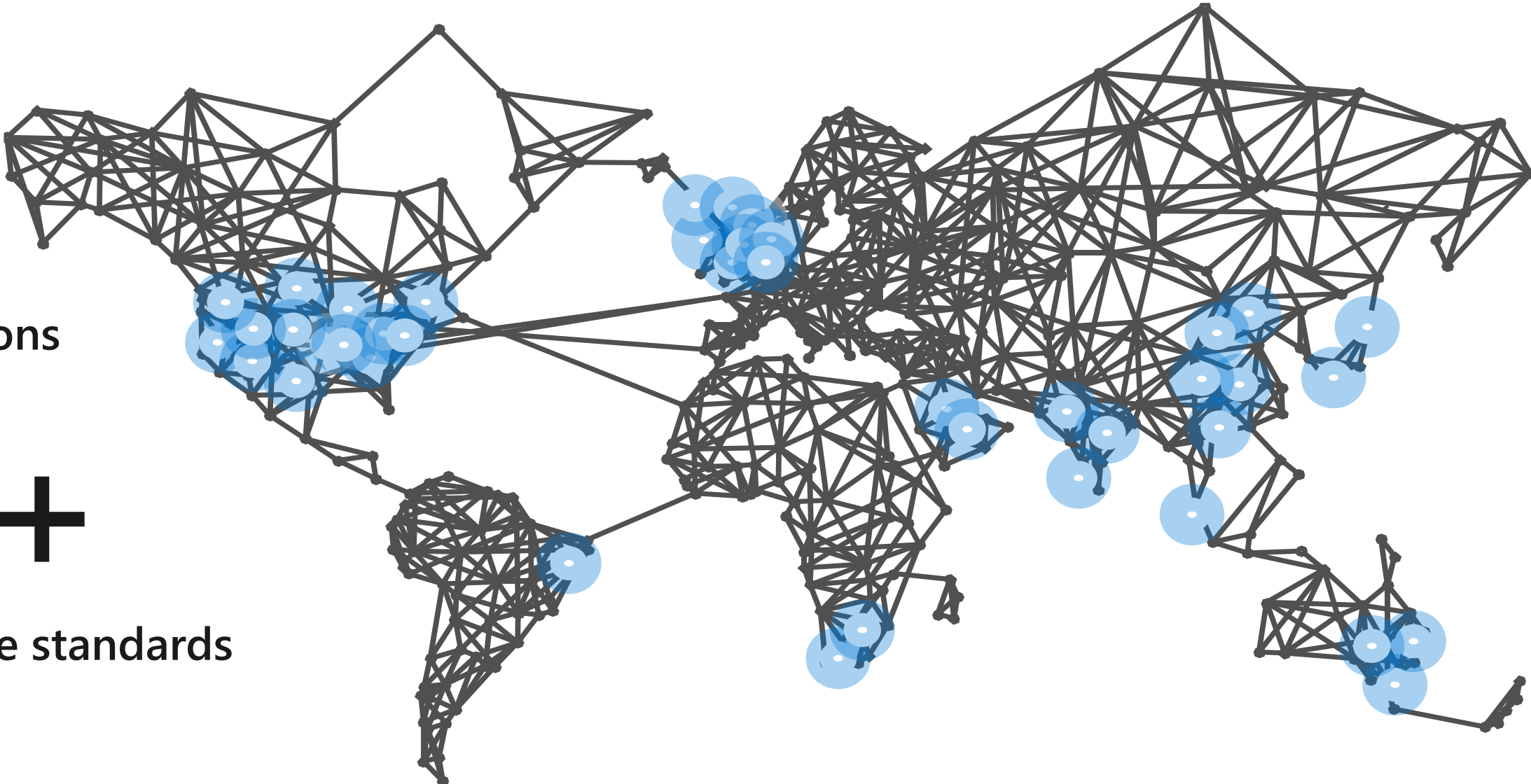
Build, manage and deploy applications on a massive global network

54

Azure regions

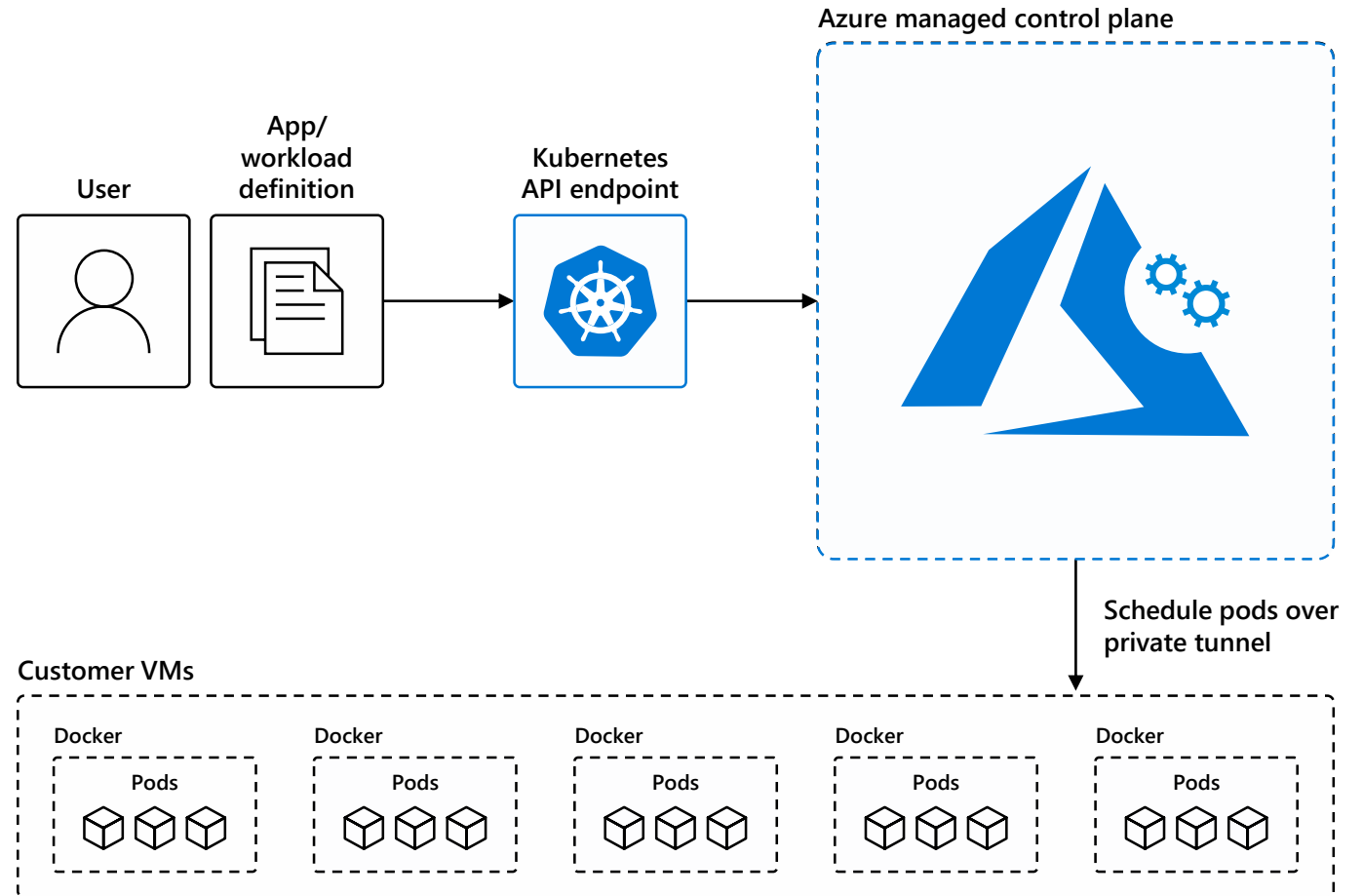
90+

Compliance standards



Azure Kubernetes Service (AKS) Workshop

- Deploys 100% Upstream Kubernetes onto Azure
- Upgrade Kubernetes dynamically
- High reliability, availability
- Easy, secure cluster scaling
- Self-healing control plane
- API server monitoring
- Master control plane at no charge
- VNET integration for Agent Pool VMs



Azure Kubernetes Service (AKS) Workshop

Overview :

- Basic knowledge of BASH Shell, Containers, Kubernetes presumed
- Take your time to complete the exercises and make notes.
The content will remain online so don't worry if you run out of time
- We will be handing out swag at the end of the workshop



Proctors

Raise your hand if you need help



Steve Chow



Darren Evans



João Bilhim

Azure Kubernetes Service (AKS) Workshop



➞ AKS Workshop : <https://aksworkshop.io/>

➞ AzurePass : <https://www.microsoftazurepass.com/>

- Use Azure Cloud Shell to enter all commands via the Azure Portal-> <https://portal.azure.com/>
- Deploy Kubernetes in Azure EastUS region, as described in the documentation
- Deploy latest AKS / Kubernetes version 1.12.6, not 1.12.4 (in docs)
- We won't be scoring the workshop (Section 1.4), so you can skip this section
- Section 2.7 : Replace in the Dockerfile <https://github.com/Azure/azch-captureorder/blob/master/Dockerfile>

```
RUN go get -u -v github.com/Azure/go-autorest/autorest/utils
```

With :

```
RUN go get -u -v github.com/Azure/go-autorest/autorest/azure
```


Azure Pass

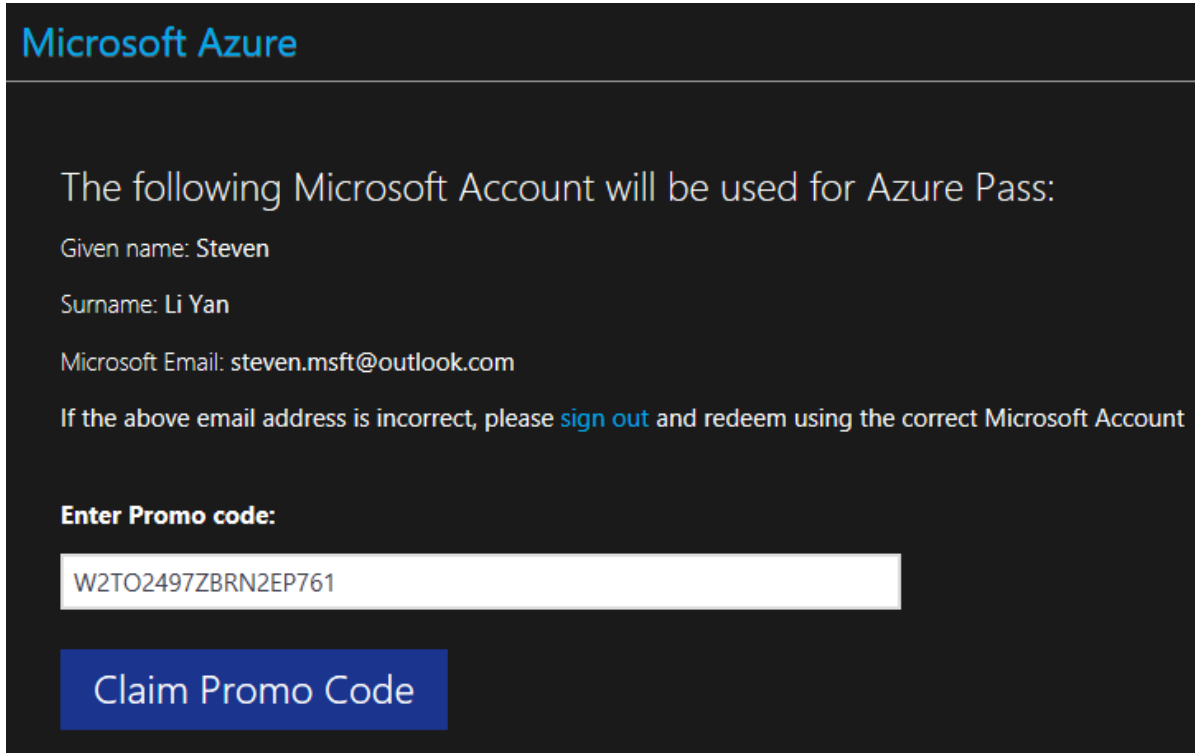


Redeem Azure Pass

- Azure Pass can only be activated on a Microsoft account, do not activate using your organizational account.
- Do not attempt to activate Azure Pass on an account with a previous or existing Azure trial or other subscription.
If in doubt, create new account at <https://www.outlook.com/>
- At no point during this process should you be prompted with filling in your credit card details.
If you meet this situation, please restart from step 1.

Activate Azure Pass

- ➔ Navigate to <https://www.microsoftazurepass.com/> and sign in (located on the top right corner of the window) with your Microsoft account.
Once logged in, click **Confirm Microsoft Account** >.



Microsoft Azure

The following Microsoft Account will be used for Azure Pass:

Given name: Steven

Surname: Li Yan

Microsoft Email: steven.msft@outlook.com

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

Enter Promo code:

W2TO2497ZBRN2EP761

Claim Promo Code

- ➔ Enter the Azure Pass code distributed to you into the **Enter promo code** text field and click **Claim Promo Code**.

Activate Azure Pass

➔ Click **Activate** >, and you should be brought to the Microsoft Azure

1 (+) About you ✓

2 (+) Contact phone number ✓ ⓘ

3 (-) Agreement

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

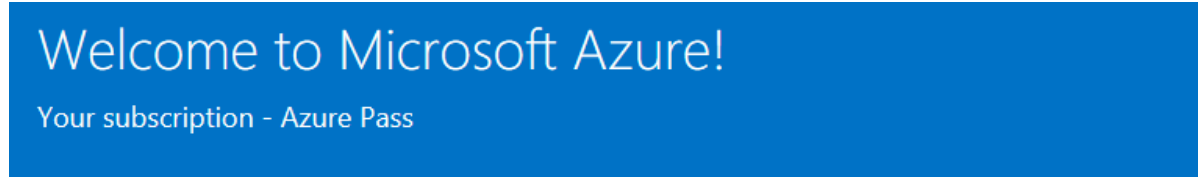
☒ Microsoft may use my email and phone to provide special Microsoft Azure offers.

Sign up ➔

➔ Fill in all 3 segments appropriately and click **Sign up** ->.

Activate Azure Pass

- ➔ Please wait up to 5 minutes for your Azure Pass subscription to be created. When it is ready, you will see the following message.



Your subscription is ready for you!

Before you get started, buy a support plan

Our support plans provide expert guidance from Azure engineers who will work with you to prevent and solve problems.

Choose your plan >

[Or get started with your Azure subscription >](#)

- ➔ To continue, click the link ***Or get started with your Azure subscription >*** as an Azure support plan is not needed for this workshop.

You should be brought to the Azure management portal. If not, please navigate to <https://portal.azure.com>.

When the Azure portal first loads, you will be prompted to take a tour. Click ***Maybe later*** for this workshop.

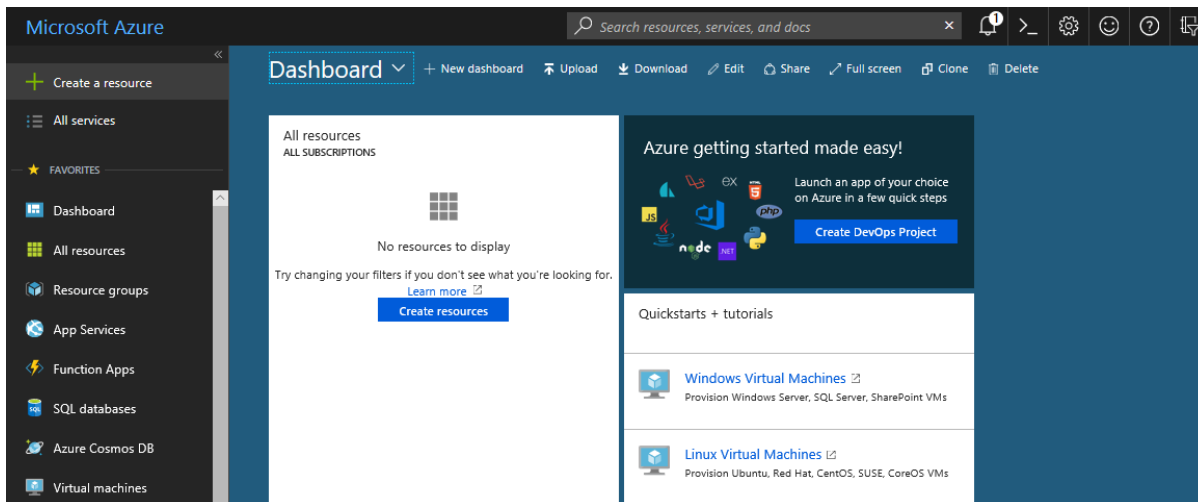
Navigating Azure Portal



Should you encounter any difficulties, please alert one of the facilitators.

\$100.00 credit remaining 5:59 PM
Subscription 'Azure Pass' has a remaining credit of \$100.00

→ If you click on the notification icon on the top right of the portal, you should see that Azure Pass subscription has \$100 credit remaining. This means Azure Pass has been successfully activated against your account and you may continue with the rest of the workshops.



→ The left side-bar contains a list of commonly used services on Azure. To access the full list of services, click **All services**. The main dashboard can be customized. Click **Edit** and you can move and resize tiles, add or remove tiles. Click **Done customizing** when satisfied.