



# GLOBAL DEVOPS HANDBOOK

V2.2

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## Introduction

Welcome to the Global DevOps Bootcamp. You are part of a true global and epic event. The event takes place at 73 locations all over the world. Around the globe DevOps fanatics from the community are organizing this event to build a worldwide community around DevOps. This guide is intended for you, as an organizer, to have all necessary information in one place so you can organize an epic event at your venue!

## Versioning

V1.0	Initial version
V2.0	Added Local Keynote section Modified Preparation for Venue Added passwords in venue Appendix Modified usernames in venue appendix
V2.1	Added Dropbox Links Modified some venues
V2.2	Added SubHeading "Changes to the Slidedeck" Added Heading "Important Links" Added Heading "Disaster Recovery" Added Heading "Multi VSTS Accounts"

## Initiators and Main Organizers

This event is brought to you by Xpirit (<https://xpirit.com>) and Solidify (<https://solidify.se>). You can find all relevant information on our websites. The three initiators and main organizers of this event are

- Marcel de Vries (@marcelv)
- Mathias Olausson (@molausson)
- Rene van Osnabrugge (@renevo)



We thought that an event that is easy to facilitate will truly be embraced by the community and we were right. One of our ideas is that we want to make it as easy as possible for venues to organize an event, and the experience for the participants is high-quality. No matter where you join the event.

## Concept

We like to see the Global DevOps Bootcamp as a “Event out of the Box”. This means that you, as a an organizing venue, will only have to do a local delivery of the content that is created by us. The Global DevOps Bootcamp has the following (high level) agenda

- Welcome, coffee and breakfast
- Recorded Keynote by a High Profile Name
- Local Keynote, provided by the local venue
- Hackathon/Workshop/HandsOn challenges with a game
- Share learnings and Demo

## Edition 2018

This years edition will be held on **June 16<sup>th</sup> 2018**. The theme of this years edition is **“From Once a Month to multiple times a day”**. We focus the event on bringing the release cadence up. Therefor you need all sorts of DevOps practices that you can use.

The Keynote will be provided by the Director of Engineering of VSTS, Buck Hodges (@tfsbuck). He will talk about the journey Microsoft made with the move from their on prem product Team Foudn25ation Server, to the cloud product VSTS, that releases multiple times a day.

The local keynote, will go deeper on the various practices that are used. Like Secure deployment, Testing, Ring Based deployment, Local Development practices, Monitoring and Inisghts etc.

The hackathon that follows, provides many challenges to the participants, so they can participate in a global contest, as well a local contest within the venue.

## Organizers and Participants

We have registered the following numbers

- 73 venues
- 8000 available tickets
- 35 countries





## Multi VSTS accounts

During some testing we've found that performance of <http://Globaldevopsbootcamp.visualstudio.com> degraded over time. This has to do with the fact we are running 1000+ Team Projects on it. After close contact with Buck Hodges and the product team we have taken action on this. We did 2 things. 1. Buck and his team is working to get performance up on the account. What we have also done, is create 3 new VSTS accounts in the regions Asia, US and Europe. We have redone all generation work and we have everything up and running now in both the original account and all 3 others. We seriously advice to use the new accounts so performance for the participants is optimal and the experience is super great. The accounts are

<https://globaldevopsbootcamp-emea.visualstudio.com/> - for Europe/MiddleEast/Africa

<https://globaldevopsbootcamp-nsa.visualstudio.com/> - for North and South America

<https://globaldevopsbootcamp-asiaaus.visualstudio.com/> - for Asia and Australia/New Zealand

The original URL still works and contains EVERYTHING. You can choose to still use this one

<https://globaldevopsbootcamp.visualstudio.com>

## Important Links

These are important links for you as organizer or to share with participants.

<https://globaldevopsbootcamp.visualstudio.com> – The original one.. Might be slow

<https://globaldevopsbootcamp-emea.visualstudio.com> - for Europe/MiddleEast/Africa

<https://globaldevopsbootcamp-nsa.visualstudio.com> - for North and South America

<https://globaldevopsbootcamp-asiaaus.visualstudio.com> - for Asia and Australia/New Zealand

<https://www.dropbox.com/sh/zljt0zu4vhsibey/AABtRP4KTma8kcgVrJ6W1Flea?dl=0> - Folder with all publicly shared content

<https://gdbchighscore2018.azurewebsites.net> – Highscore application

<https://walls.io/c64wx> - Tweetwall

## Tweetwall

For the true global feeling and to broaden the reach even more, we have a tweetwall that you can display on monitors in the venue. We truly hope that venues and participants tweet a lot using the hashtag #gdbc to appear on this tweetwall. The tweetwall is sponsored by walls.io and available on

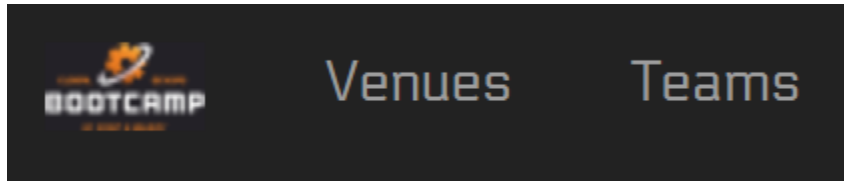
<https://walls.io/c64wx>

## High scores

We have created a High Score application that can be used to follow scores within your venue and globally. You can find the high score application on this url:

<https://gdbchighscore2018.azurewebsites.net/>

There are 3 views you can show within the High Score Application



- “the logo”
  - Show the top 5 venues and top5 teams **globally**
- Venues
  - Shows the total score of all venues (total of all teams)
- Teams
  - Shows scores of teams within your venue. Select the venue from drop down list



### How are the scores obtained?

We have fully automated the score board and you do not need to do any manual action. Teams are responsible for owning their own scores (and playing fair).

Within every VSTS Team project, we have created Service Hooks. Every time when a team drags a work item to “done” (state change to done but we prefer the KanBan board), the score is updated.

It does so by looking at the work item

- A unique code on every work item that defines the achievement the team completed
- The name of the team project
  - **!! Important. The score board works based on a naming convention. It expects the Team Project name to look like GDBC2018-VenueName-TeamName. For example. GDBC2018-Xpirit-Team01.** The venue name and team name are both used.
  - If teams want to rename to a more sexy name, **please rename the last part**
    - GDBC2018-Xpirit-TeamAwesome
  - This will keep the scores nicely shown on the board
- When the work item is dragged back to “not done” score will disappear again

- Only teams with at least 1 point will appear
- If teams ask for help (see later in challenges), by putting the HELP tag on the work item, they get a link to a step by step. Points that can be earned with this achievement are then divided by 2.

**For example.**

Team ABC completes achievement 1. This achievement can earn them 20 points. If they drag it done they will receive 20 points. For achievement 2 they can receive 20 points as well. Because they cannot complete them without help, they add the HELP tag to the work item. After the help they can complete it. They drag achievement 2 to done. This will earn them  $20/2=10$  points bringing them to 30 in total. If Help is added to the work item, they can never earn full point again, even when they remove the tag.

## Detailed Day Agenda

As stated in the introduction the event has a fixed agenda in terms of things that are prepared.

To give a somewhat better idea of how you can structure the day, let's break this down a little bit more. Besides the overall structure and content, you are completely free to fill in your own. You are not required to do all the suggested things. These are merely suggestions and things we do.

- Welcome, coffee and breakfast
  - We start the event at 10:00 AM. That is the time on EventBrite
  - Send out the reminder invite to arrive at 9:00 AM
  - Welcome the guests with some drinks, coffee, tea and maybe even a small bite
  - Play some music when guests enter the building. This gives a positive vibe.
    - Example:  
<https://open.spotify.com/user/rvanosnabrugge/playlist/0BWgsNPM5iwgk8ZGlMHeoY?si=HfiNN44KQ0ide9XP8JsSKQ>
  - Make sure the Tweetwall is up so that people already see the global factor
  - Make sure the Highscore board is up
  - There is an animated logo that you can show on screen
- Recorded Keynote by Buck Hodges
  - At 10:00 AM it is time to start the event
  - The PowerPoint deck you received contains everything you need
    - Intro movie
    - Introduction from the organizers
    - Keynote by Buck Hodges
    - Handover to the Local Venue (video)
- Local Keynote, provided by the local venue
  - After the recorded keynote, the PowerPoint will continue with a slide deck for the local keynote
  - A local presenter (or someone of the League) will provide the keynote
  - After the keynote slides, there is an explanation of the challenges, the scoring system
  - Talk about the Team to Team Presentation (after approx. 2 hours)
  - Talk about the learning share and demo at the end
- Hackathon/Workshop/HandsOn challenges with a game
  - When the challenges are explained you can start forming teams.
  - We generated teams in VSTS based on 5/6 users per team
  - Idea: Create 3 places in your office. Beginners, Medium, Advanced and ask teams to self-organize in teams of 5/6 people
  - People share a VM per 2 (or sometimes) more users
  - Explain or hand out a description how people can claim a VM
  - Let people claim a user (user001 to userXXX)
  - Let teams claim their team
    - You can create small sticky notes with team names and hand that to the teams
  - People get started with challenges
  - Walk around, proctor, help them be successful
- Lunch

- With a fixed slot or just in between you can serve lunch
- Team to Team Presentation
  - After about 2 hours of Hackathon, gather teams
  - Ask every team to select 1 other team and present their progress (done items)
  - This will also serve as a sanity check if people play by the rules
  - Challenge teams and people to do things they have never done before
  - After this presentation (max 5 minute each) continue
- Share learnings and Demo
  - After a day of hackathon, around 15:30 ask teams to prepare a max 5 minute presentation of their learning and take aways
  - At 16:00 start with the presentations. If you are a larger venue split up. Take care you finish around 17:00
  - With help of the scoreboard choose a winner. If you want to give everyone a prize of award best effort etc. feel free to do so!

## Preparation for the venue

In the appendix you can find a checklist for the venue location. What should be arranged (outlets, power, internet etc.) There are also some preparation things that need to be done to run a successful event

- Keynote contains video and audio, make sure you have speakers and beamer setup and tested
- The presentation contains specific **CUSTOM fonts, that need to be installed. They can be found on the dropbox**
- Install the fonts (!)
- Set up an Azure subscription where participants can land
  - See Appendix how to set this up using Azure Pass
- Assign rights and roles to the new Azure subscription
  - See Appendix
- Think about how you want to divide in teams
  - See Detailed agenda for ideas. Feel free to choose your own. Use 5/6 people in a team
- Think about how you want to distribute user accounts and vsts team projects
- Think about how you want to distribute important data
  - Usernames/passwords for AAD users
  - AAD Venue Admin username and password
  - Claim VM website URL
  - Azure Subscription ID (might be needed)
  - VSTS Team Project names
- If you haven't done so already, make sure **you installed the fonts**

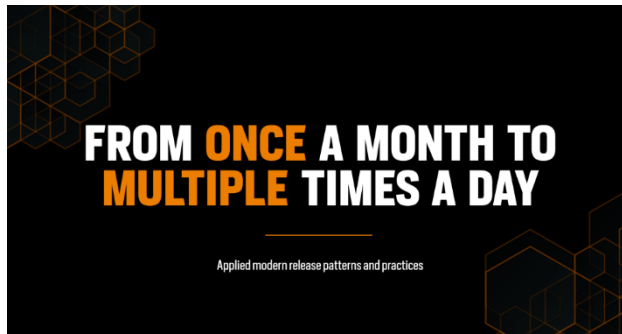


## Local Keynote

All content that is presented is delivered in 1 PowerPoint Deck (!) a big one. This contains videos, audio and slides with awesome graphics and lettering. To make an awesome impression, make sure you can show video and people can hear audio! Make sure you test this before.

Also important: Make sure you install the fonts that are delivered in the dropbox. This can all be found in the “LocalKeynote” folder

<https://www.dropbox.com/sh/zljt0zu4vhsibey/AABtRP4KTma8kcgVrJ6W1Flea?dl=0>



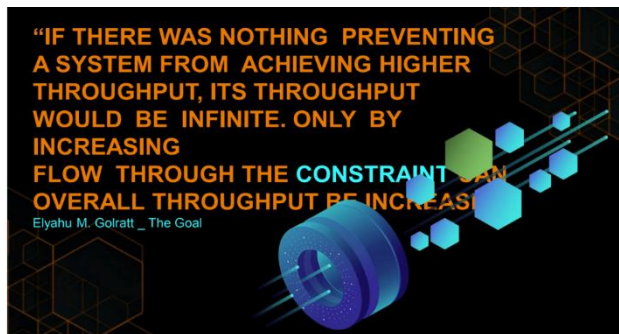
WITH THE FONTS INSTALLED



WITHOUT THE FONTS INSTALLED



WITH THE RIGHT FONTS

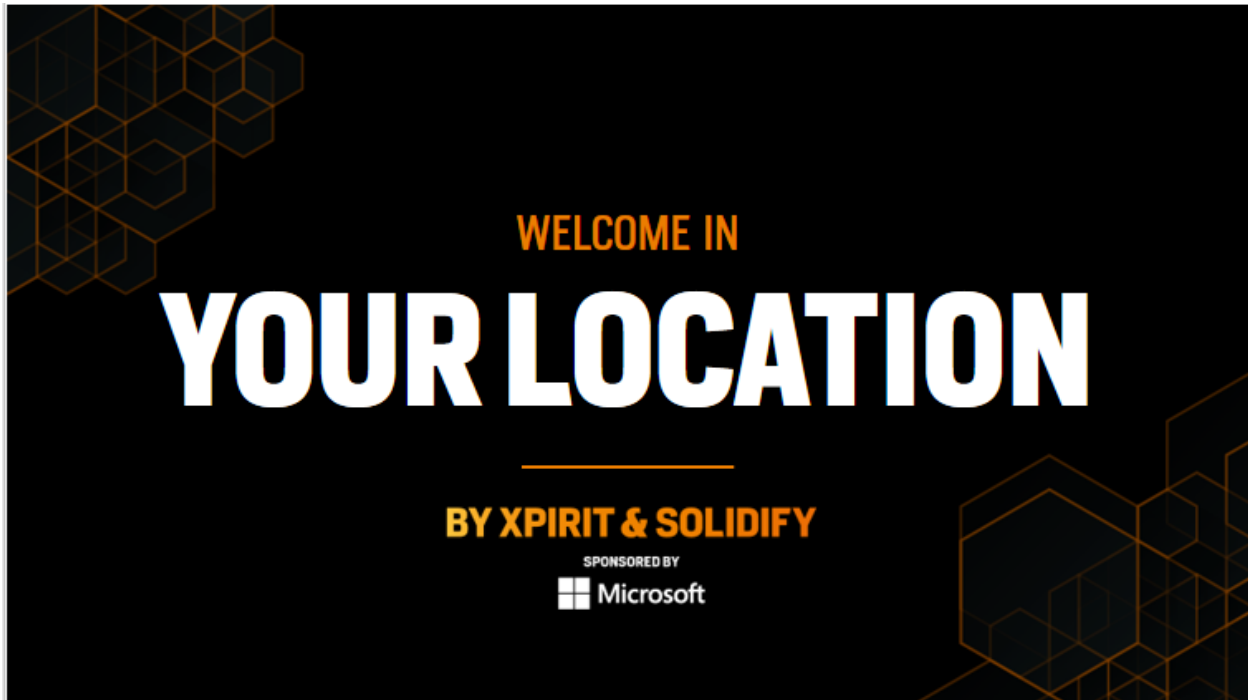


WITHOUT THE RIGHT FONTS

## Changes to the Slidedeck

When you retrieve the slidedeck from dropbox or WeTransfer, you need to update two things.

Change the venue name in the welcome slide



In the “Links” slide, update the url of the GlobalDevOpsBootcamp instance you are using

<https://globaldevopsbootcamp.visualstudio.com> – The original one.. Might be slow

<https://globaldevopsbootcamp-emea.visualstudio.com> - for Europe/MiddleEast/Africa

<https://globaldevopsbootcamp-nsa.visualstudio.com> - for North and South America

<https://globaldevopsbootcamp-asiaaus.visualstudio.com> - for Asia and Australia/New Zealand

## Information channels

The event runs for 24 hours, starting in New Zealand. We try to do our best to be around, but we are not always. There is one primary location for ALL communication. And that is Slack. The slack channel is

[Globaldevopsbootcamp.slack.com](https://globaldevopsbootcamp.slack.com)

During the live event, file your questions, trouble, compliments in the #live-events2018 channel. We are there to help, but you as well. Help your fellow organizers !

Mail will (probably) not be answered during the event

## Social Media

Of course, Social media is very important for this event. We want to show the world (and our sponsors) that we are successful!. Tweet, Facebook, Instagram yourself, but please also encourage the participants to share everything on Social Media.

Take a lot of pictures. We will put them on Flickr later and we will do a summary. Make us successful by giving us presence. Tag everything with #gdbc and tag @gdevopsbc to make sure we can retweet it!

## Virtual Machines

Participants will get a Virtual Machine on which they can work to complete the challenges. We want to have a high-quality experience, so the VM's are pre-installed with all software that is needed

- Visual Studio 2017
- Visual Studio Code
- Docker for Windows (+pre pulled images)
- SQL Management Studio
- Git

We have distributed VM's to venues based on number of tickets. We have a total of 3000 VM's available that we assigned to venues. We counted on 1 VM per approx. 2 user in a venue. E=If you increased tickets or more people show up, people have to share VM with more people.

On the website

<https://globaldevopsbootcamp.com/vminfoes>

You can select your venue (name is in Appendix B) and see a list of VM's. Share this link with you participants. They can claim a machine by checking the box and download the RDP file. The RDP + Username/password will log them in to a prepped VM. The only thing people need to bring is a PC with RDP possibilities

## Available VM's

Name Virtual Machine	In Use	Action
sql-117	<input type="checkbox"/>	<a href="#">Claim!</a>
sql-118	<input type="checkbox"/>	<a href="#">Claim!</a>
sql-11e	<input type="checkbox"/>	<a href="#">Claim!</a>
sql-121	<input type="checkbox"/>	<a href="#">Claim!</a>
sql-123	<input type="checkbox"/>	<a href="#">Claim!</a>

## Details

Here is your VM info

User Name	Password	RDP Link	Claimed	Return to pool
gdbcuser	ecA1V3H30hZO	<a href="#">Download RDP</a>	<input checked="" type="checkbox"/>	<a href="#">Return to pool</a>
<a href="#">Back to List</a> <a href="#">Select venue</a>				

# Challenges and Achievements explanation

Every team will get a VSTS Team Project. We filled the Team Project up with work items. Features and PBI's.

We distinguish between challenges and achievements. A challenge is the umbrella story with a business related story. Reason for this is that we want to make people aware of the **WHY**. Why are we doing all this technical stuff. The Challenges are the split up in multiple achievements. The achievements are the things the teams need to do. Every achievement has

- A description (what needs to be done)
- Acceptance criteria, when is the achievement done
- Links (where can you find information about this)
- Attachments (optional) scripts and files that people may need

We want to avoid that people are coding the whole day, it is about DevOps so we provide files they might need.

- A challenge is created as Feature
- A achievement is a PBI underneath a Feature

## 1. Challenge story line

- Business wants to move to Azure
- Remove deployment dependencies from individuals
- The move to Azure needs to be secure by design
- Stabilizing the release takes a long time and release is not working
- All software development and deployment needs to be compliant to regulations
- Business don't want downtime for the website
- Business wants to understand what is used in the application
- Optimizing the pipeline
- More awareness around new feature releases and coolness
- Business wants to be able to control the exposure of a feature
- Business hears complaints about performance during busy times
- Developers complain about long time in setting up their Dev Environment (Docker)

## 2. Scoring

Achievements are written in an outlined way. Acceptance criteria are the way to measure. This means there are different ways of "right". Autonomous DevOps teams can decide for themselves. They decide to put items to done, which is the way for them to earn points to the score board.

## 3. Pick and choose

There are many achievements. Probably far too much for one day. Teams can pick and choose what they want to learn. Of course there is some sequence in the story line, and some things are really necessary. Achievements that need to be done are tagged with **Required**.

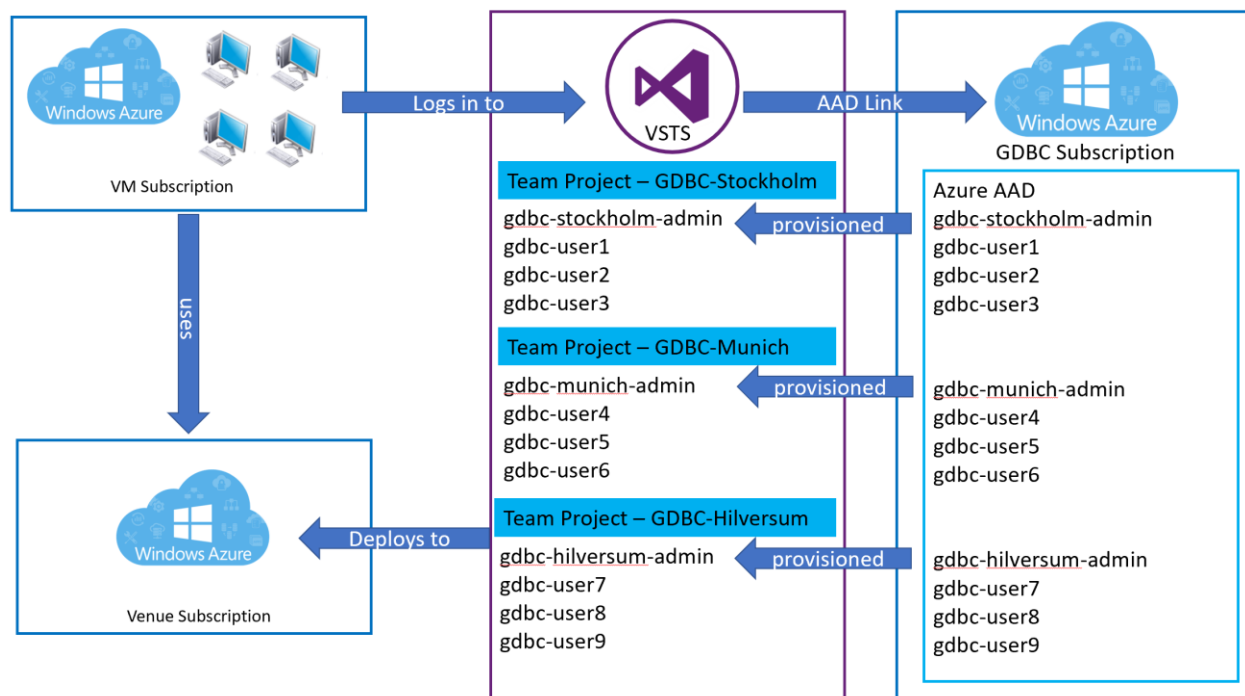
## 4. Asking help

If teams need help, many of the achievements (bonus achievements not) have a step by step. By adding the **Help** tag to the work item, a Webhook takes care of adding a comment in the work item. This contains a link to a zip file. This zip contains the step by step (markdown) and necessary files to complete the challenge. Points that can be earned are divided by two

### Bonus Achievements

There are Bonus achievements. They do not have a step by step, so adding the help tag does not have any use. (it will divide points). If teams complete these, they earn more points than in regular ones

## Architecture



- We own the Azure Active Directory GDBC2018.onmicrosoft.com.
  - We created users and groups in our AAD for the venues
  - A number of users per venue G-venue-name-user001
  - A team admin per venue G-venue-name-Admin
  - A venue admin group with all team admins
  - A users group per **venue** with all users and the team admin
- We have the VSTS account <https://globaldevopsbootcamp.visualstudio.com> where we generated 1000 team projects for all teams in all venues.
- The AAD venue user group has rights to ALL team project of the venue.
  - Eg. A venue has 5 team projects. All users can access all projects
- All users are project admin to avoid hassle with rights
- The VM's are in separate subscription and are distributed to all venues via the website (see paragraph on VM)

- A venue subscription that the venue creates with the Team Admin account with an Azure Pass we provide

## 5. AAD Setup

We have created users per venue

Every venue has this

- A AAD group GDBC2018-venueName-Users
- XX amount of users G-venueName-User001,002,003 etc
- A venue team admin that teams and venue can use G-venueName-admin

## 6. VSTS Setup

- Created a number of team projects for every venue (e.g. GDBC2018-Xpirit-Team01-Team10) All users have access to all team project
- There is Build queue for every team project.
- Teams set up a build agent (private pipeline) as a challenge. Use local build instead of hosted to avoid waiting
- Webhook for scores are in every project
- Every Project contains repo with source code
- Every project contains work item with challenges

## 7. Azure Setup

- Every venue should create a Azure subscription where teams can deploy their source (see Appendix)
- Create the subscription with the g-venueName-admin account to attach it to our AAD
- Add the venue-user group to this subscription as owner to avoid rights hassle



## Disaster Recovery

Things can, and possibly WILL go wrong. To overcome the most urgent and pressing issues we have done a few things:

### The scoreboard goes down, or the webhook fails to update the scores

All is in a SQL database. Webhooks that fail often will be set to “enabled restricted”.

<https://docs.microsoft.com/en-us/vsts/service-hooks/troubleshoot?view=vsts> . When you navigate to the Service Hooks, you can enable them again. To update scores. Drag items “again” to done (or set state) and the scores will appear. Same goes for the Help Tag.

When nothing works. Do a manual administration. Just count the points of the effort in the Done column and choose a winner. The help can be provided with the dropboxlinks from the appendix.

### VSTS and Azure - Rights, Rights, Rights.

Ooooh, those permissions and rights. We’ve setup everything so that people have sufficient rights. They are Project admin on Team projects. If you have set up your Azure Pass subscription correctly (with the G-venueadmin-account), you have made all your venue users (the AAD Group GDBC2018-venue-users) owner on Azure allowing them to do a lot.

For complete disasters, we have created an account that you **should NOT use**. Only when you are really stuck with permissions.

User : [GDBC2018-RESCUEADMIN@gdbc2018.onmicrosoft.com](mailto:GDBC2018-RESCUEADMIN@gdbc2018.onmicrosoft.com)

Pass: T0Th3R3Scue!

This is Project Collection Admin on all GDBC VSTS accounts and Limited Admin on the GDBC2018 AAD. Use it wisely IF you use it (but you probably won’t 😊)

### Azure Money is drowned

Use a new Azure Pass. Watch closely and provision in time. If you expect lots of people maybe two accounts are better. You cannot create the both with the “admin” account. Use A user account instead. (claim the highest number for example)

### Builds are in queue

Not really a disaster. Probably people are using the hosted pipelines.. Use a private agent. See challenge CH002-AC001 to set one up and choose that one. We have about 3000 concurrent pipelines so no waiting is necessary.

### There is a challenge with Slack, and we don’t have slack

We do not provide this. You did not miss any info. People can use their own, or create some venue Buzz and create a local slack

## **Azure Passes for participants**

We have arranged Azure Passes for most of the participants. Please distribute this and really encourage them to ACTIVATE this Azure Pass. Microsoft measures activation. If nothing is activated, we will probably not get sponsoring anymore next year. So make sure people go home and activate their azure pass.

## Swag



<https://bit.ly/2lfDg9R>



We have created a swag kit you can use to print your own stuff. It can be found on the dropbox shared in Slack/

Thanks for all your efforts!

# THANK YOU!

NAT FRIEDMAN • ANISHA PINDORIA • MARTIN WOODWARD •  
BUCK HODGES • ROB BOS • JAKOB EHN • TAAVI KOOSAR •  
MARTIJN VAN DER SIJDE • JASPER GILHUIS • ABEL WANG •  
JESSICA DEEN • STEVEN MURAWSKI • DAMIAN BRADY •  
VIVIAN ANDRINGA • GEERT VAN DER CRUIJSEN • KEES VERHAAR •  
BRIAN RANDELL • IAN GRIFFITHS • BERIT REISENAUER •  
MICHIEL VAN OUDHEUSDEN • OLAF WALTHER • MARCEL DE VRIES •  
MATHIAS OLAUSSON • RENE VAN OSNABRUGGE

# THANK YOU!

MICROSOFT  
WALLS.IO  
XEBIA  
XPIRIT  
SOLIDIFY

## Appendix A: Venue Checklist

### Registration

- Create confirmation email – Make it personalized and send 2 weeks before and 1 week before to avoid no shows
- Send confirmation email to attendees – **use your login in eventBrite to see the attendees or mail them directly. Mae sure you mention** Directions, parking, food restrictions, final program, location, cancellation policy, start / end time, no-show policy..

### Content

- Opening, keynote movie, keynote slides, hackathon instructions printed out
- Local slides and labs
- Instructions for claiming VM's
- Instructions for using score board
- Local Azure Subscription set up and team admins created

### Promotion

- Local speakers share the event on their social media pages
- Local associates share the event on their social media pages
- Event on company pages

### Badges (optional)

- Create name badges with logo's (GDBC + your company logo)
- If you have lanyards, please use a lanyard attached to the badge

### Other

- Create your own detailed scenario for the event day
- Lunch and refreshments
- Print program and WIFI code and spread on tables
- Thank you email to local attendees with upcoming local events
- Thank you email to all attendees with slides and links eo
- Extra chairs?
- Create setting (tables and chairs and AV)
- Discuss Catering
- Final amount of attendees to catering
- Goodybags with local goods and global stuff??
- Speakergifts?
- Outlets for powering laptops
- TV for showing scoreboard
- TV for showing Tweetwall

### Check on Bootcamp Saturday

- Company banners?
- Registration list
- Whiteboard/flipover for questions and feedback, high scores
- Post its and pens for feedback
- Check beamer and mic

- Host at parking
- Host at entrance
- Local hosts (branded shirts/business cards)

#### During event

- Make pictures
- Share content on social (#gdbc, #gdevopsbc. Let participants win a prize for tweeting (tweetwall))
- End of day: send thank you email

## Appendix B: Venue names + allocated resources

**All passwords are**

**Welcome2GDBC2018**

Event	VenueName (AAD,VSTS)	AAD group Name	VSTS Projectname	Username	Admin username	Tot al Use rs	NrTea ms	Nr of V M
Global DevOps Bootcamp 2018 @ Adelaide	Adelaide	GDBC2018- Adelaide-Users	GDBC2018- Adelaide-Team01	G-Adelaide- User001	G-Adelaide- Admin@gdbc2018.onmi crosoft.com	40	8	20
Global DevOps Bootcamp 2018 @ AIT Stuttgart	AITStuttgart	GDBC2018- AITStuttgart- Users	GDBC2018- AITStuttgart- Team01	G-AITStuttgart- User001	G-AITStuttgart- Admin@gdbc2018.onmi crosoft.com	30	6	15
Global DevOps Bootcamp 2018 @ AlmLatam	AlmLatam	GDBC2018- AlmLatam-Users	GDBC2018- AlmLatam- Team01	G-AlmLatam- User001	G-AlmLatam- Admin@gdbc2018.onmi crosoft.com	100	20	50
Global DevOps Bootcamp 2018 @ Association of Software Engineers	ASE	GDBC2018-ASE- Users	GDBC2018-ASE- Team01	G-ASE-User001	G-ASE- Admin@gdbc2018.onmi crosoft.com	100	20	50
Global DevOps Bootcamp 2018 @ AWC	AWC	GDBC2018-AWC- Users	GDBC2018-AWC- Team01	G-AWC-User001	G-AWC- Admin@gdbc2018.onmi crosoft.com	60	12	30

Global DevOps Bootcamp 2018 @ AXA	AXA	GDBC2018-AXA- Users	GDBC2018-AXA- Team01	G-AXA-User001	G-AXA- Admin@gdbc2018.onmi crosoft.com	25	6	12 .5
Global DevOps Bootcamp 2018 @ Bengaluru	Bengaluru	GDBC2018- Bengaluru-Users	GDBC2018- Bengaluru- Team01	G-Bengaluru- User001	G-Bengaluru- Admin@gdbc2018.onmi crosoft.com	300	50	15 0
Global DevOps Bootcamp 2018 @ BHM.NET	BHMNET	GDBC2018- BHMNET-Users	GDBC2018- BHMNET- Team01	G-BHMNET- User001	G-BHMNET- Admin@gdbc2018.onmi crosoft.com	100	20	50
Global DevOps Bootcamp 2018 @ Bhopal	Bhopal	GDBC2018- Bhopal-Users	GDBC2018- Bhopal-Team01	G-Bhopal- User001	G-Bhopal- Admin@gdbc2018.onmi crosoft.com	200	30	10 0
Global DevOps Bootcamp 2018 @ Bittnet	Bittnet	GDBC2018- Bittnet-Users	GDBC2018- Bittnet-Team01	G-Bittnet- User001	G-Bittnet- Admin@gdbc2018.onmi crosoft.com	40	8	20
Global DevOps Bootcamp 2018 @ Black Marble	BlackMarble	GDBC2018- BlackMarble- Users	GDBC2018- BlackMarble- Team01	G-BlackMarble- User001	G-BlackMarble- Admin@gdbc2018.onmi crosoft.com	20	5	10
Global DevOps Bootcamp 2018 @ Bogota CloudFirst Campus	BogotaCloudFirs tCampus	GDBC2018- BogotaCloudFirst Campus-Users	GDBC2018- BogotaCloudFirst Campus-Team01	G- BogotaCloudFirst Campus-User001	G- BogotaCloudFirstCampu s- Admin@gdbc2018.onmi crosoft.com	200	30	10 0
Global DevOps Bootcamp 2018 @ Bogota Visualicemos	BogotaVisualice mos	GDBC2018- BogotaVisualice mos-Users	GDBC2018- BogotaVisualice mos-Team01	G- BogotaVisualice mos-User001	G-BogotaVisualicemos- Admin@gdbc2018.onmi crosoft.com	80	16	40



Global DevOps Bootcamp 2018 @ Boise	Boise	GDBC2018-Boise- Users	GDBC2018-Boise- Team01	G-Boise-User001	G-Boise- Admin@gdbc2018.onmi crosoft.com	20	5	10
Global DevOps Bootcamp 2018 @ Borlang	Borlang	GDBC2018- Borlang-Users	GDBC2018- Borlang-Team01	G-Borlang- User001	G-Borlang- Admin@gdbc2018.onmi crosoft.com	20	5	10
Global DevOps Bootcamp 2018 @ Brazil	Brazil	GDBC2018- Brazil-Users	GDBC2018- Brazil-Team01	G-Brazil-User001	G-Brazil- Admin@gdbc2018.onmi crosoft.com	120	20	60
Global DevOps Bootcamp 2018 @ Buenos Aires	BuenosAires	CANCELLED	CANCELLED	CANCELLED	CANCELLED	0	0	0
Global DevOps Bootcamp 2018 @ Cape Town	CapeTown	GDBC2018- CapeTown-Users	GDBC2018- CapeTown- Team01	G-CapeTown- User001	G-CapeTown- Admin@gdbc2018.onmi crosoft.com	50	10	25
Global DevOps Bootcamp 2018 @ Cellenza	Cellenza	GDBC2018- Cellenza-Users	GDBC2018- Cellenza-Team01	G-Cellenza- User001	G-Cellenza- Admin@gdbc2018.onmi crosoft.com	100	20	50
Global DevOps BootCamp 2018 @ Christchurch	Christchurch	GDBC2018- Christchurch- Users	GDBC2018- Christchurch- Team01	G-Christchurch- User001	G-Christchurch- Admin@gdbc2018.onmi crosoft.com	50	10	25
Global DevOps Bootcamp 2018 @ Cologne	Cologne	GDBC2018- Cologne-Users	GDBC2018- Cologne-Team01	G-Cologne- User001	G-Cologne- Admin@gdbc2018.onmi crosoft.com	80	15	40
Global DevOps Bootcamp 2018 @ Copenhagen	Copenhagen	GDBC2018- Copenhagen- Users	GDBC2018- Copenhagen- Team01	G-Copenhagen- User001	G-Copenhagen- Admin@gdbc2018.onmi crosoft.com	50	10	25

Global DevOps Bootcamp 2018 @ Costa Rica	CostaRica	GDBC2018- CostaRica-Users	GDBC2018- CostaRica- Team01	G-CostaRica- User001	G-CostaRica- Admin@gdbc2018.onmi crosoft.com	60	12	30
Global DevOps Bootcamp 2018 @ Detroit	Detroit	GDBC2018- Detroit-Users	GDBC2018- Detroit-Team01	G-Detroit- User001	G-Detroit- Admin@gdbc2018.onmi crosoft.com	100	20	50
Global DevOps Bootcamp 2018 @ Devbhoomi Himanchal	DevbhoomiHima nchal	GDBC2018- DevbhoomiHima nchal-Users	GDBC2018- DevbhoomiHima nchal-Team01	G- DevbhoomiHima nchal-User001	G- DevbhoomiHimanchal- Admin@gdbc2018.onmi crosoft.com	50	10	25
Global DevOps Bootcamp 2018 @ FON	FON	GDBC2018-FON- Users	GDBC2018-FON- Team01	G-FON-User001	G-FON- Admin@gdbc2018.onmi crosoft.com	40	8	20
Global DevOps Bootcamp 2018 @ Guayaquil	Guayaquil	GDBC2018- Guayaquil-Users	GDBC2018- Guayaquil- Team01	G-Guayaquil- User001	G-Guayaquil- Admin@gdbc2018.onmi crosoft.com	60	10	30
Global DevOps Bootcamp 2018 @ Gurgaon	Gurgaon	GDBC2018- Gurgaon-Users	GDBC2018- Gurgaon-Team01	G-Gurgaon- User001	G-Gurgaon- Admin@gdbc2018.onmi crosoft.com	250	35	12 5
Global DevOps Bootcamp 2018 @ InCycle Dallas	InCycleDallas	GDBC2018- InCycleDallas- Users	GDBC2018- InCycleDallas- Team01	G-InCycleDallas- User001	G-InCycleDallas- Admin@gdbc2018.onmi crosoft.com	40	8	20
Global DevOps Bootcamp 2018 @ InCycle New York	InCycleNewYork	GDBC2018- InCycleNewYork- Users	GDBC2018- InCycleNewYork- Team01	G- InCycleNewYork- User001	G-InCycleNewYork- Admin@gdbc2018.onmi crosoft.com	50	10	25

Global DevOps Bootcamp 2018 @ Indiana	Indiana	GDBC2018- Indiana-Users	GDBC2018- Indiana-Team01	G-Indiana- User001	G-Indiana- Admin@gdbc2018.onmi crosoft.com	60	12	30
Global DevOps Bootcamp 2018 @ Info Support	InfoSupport	GDBC2018- InfoSupport- Users	GDBC2018- InfoSupport- Team01	G-InfoSupport- User001	G-InfoSupport- Admin@gdbc2018.onmi crosoft.com	25	6	12 .5
Global DevOps Bootcamp 2018 @ Kathmandu	Kathmandu	GDBC2018- Kathmandu- Users	GDBC2018- Kathmandu- Team01	G-Kathmandu- User001	G-Kathmandu- Admin@gdbc2018.onmi crosoft.com	50	10	25
Global DevOps Bootcamp 2018 @ Lambda3	Lambda3	GDBC2018- Lambda3-Users	GDBC2018- Lambda3- Team01	G-Lambda3- User001	G-Lambda3- Admin@gdbc2018.onmi crosoft.com	30	6	15
Global DevOps Bootcamp 2018 @ LDNA	LDNA	GDBC2018- LDNA-Users	GDBC2018- LDNA-Team01	G-LDNA-User001	G-LDNA- Admin@gdbc2018.onmi crosoft.com	40	8	20
Global DevOps Bootcamp 2018 @ Lima	Lima	GDBC2018-Lima- Users	GDBC2018-Lima- Team01	G-Lima-User001	G-Lima- Admin@gdbc2018.onmi crosoft.com	110	20	55
Global DevOps Bootcamp 2018 @ Lisbon	Lisbon	GDBC2018- Lisbon-Users	GDBC2018- Lisbon-Team01	G-Lisbon- User001	G-Lisbon- Admin@gdbc2018.onmi crosoft.com	60	12	30
Global DevOps Bootcamp 2018 @ London	London	GDBC2018- London-Users	GDBC2018- London-Team01	G-London- User001	G-London- Admin@gdbc2018.onmi crosoft.com	80	15	40
Global DevOps Bootcamp 2018 @ Louisville	Louisville	GDBC2018- Louisville-Users	GDBC2018- Louisville- Team01	G-Louisville- User001	G-Louisville- Admin@gdbc2018.onmi crosoft.com	50	10	25

Global DevOps Bootcamp 2018 @ Madrid	Madrid	GDBC2018- Madrid-Users	GDBC2018- Madrid-Team01	G-Madrid- User001	G-Madrid- Admin@gdbc2018.onmi crosoft.com	60	12	30
Global DevOps Bootcamp 2018 @ Melbourne	Melbourne	GDBC2018- Melbourne-Users	GDBC2018- Melbourne- Team01	G-Melbourne- User001	G-Melbourne- Admin@gdbc2018.onmi crosoft.com	50	10	25
Global DevOps Bootcamp 2018 @ Mexico	Mexico	GDBC2018- Mexico-Users	GDBC2018- Mexico-Team01	G-Mexico- User001	G-Mexico- Admin@gdbc2018.onmi crosoft.com	80	15	40
Global DevOps Bootcamp 2018 @ Microsoft Downers Grove	MicrosoftDowne rsGrove	GDBC2018- MicrosoftDowne rsGrove-Users	GDBC2018- MicrosoftDowne rsGrove-Team01	G- MicrosoftDowne rsGrove-User001	G- MicrosoftDownersGro ve- Admin@gdbc2018.onmi crosoft.com	96	18	48
Global DevOps Bootcamp 2018 @ Microsoft Vancouver	MicrosoftVanco uver	GDBC2018- MicrosoftVancou ver-Users	GDBC2018- MicrosoftVancou ver-Team01	G- MicrosoftVancou ver-User001	G-MicrosoftVancouver- Admin@gdbc2018.onmi crosoft.com	45	10	22 .5
Global DevOps Bootcamp 2018 @ Moscow	Moscow	GDBC2018- Moscow-Users	GDBC2018- Moscow-Team01	G-Moscow- User001	G-Moscow- Admin@gdbc2018.onmi crosoft.com	70	14	35
Global DevOps Bootcamp 2018 @ MSDEVMTL	MSDEVMTL	GDBC2018- MSDEVMTL- Users	GDBC2018- MSDEVMTL- Team01	G-MSDEVMTL- User001	G-MSDEVMTL- Admin@gdbc2018.onmi crosoft.com	50	10	25
Global DevOps Bootcamp 2018 @	MunichGermany	GDBC2018- MunichGermany- Users	GDBC2018- MunichGermany- Team01	G- MunichGermany- User001	G-MunichGermany- Admin@gdbc2018.onmi crosoft.com	100	20	50

Munich Germany								
Global DevOps Bootcamp 2018 @ Nasvhille	Nasvhille	GDBC2018- Nasvhille-Users	GDBC2018- Nasvhille- Team01	G-Nasvhille- User001	G-Nasvhille- Admin@gdbc2018.onmi crosoft.com	100	20	50
Global DevOps Bootcamp 2018 @ Nebbia	Nebbia	GDBC2018- Nebbia-Users	GDBC2018- Nebbia-Team01	G-Nebbia- User001	G-Nebbia- Admin@gdbc2018.onmi crosoft.com	75	18	33
Global DevOps Bootcamp 2018 @ ObjectSharp	ObjectSharp	GDBC2018- ObjectSharp- Users	GDBC2018- ObjectSharp- Team01	G-ObjectSharp- User001	G-ObjectSharp- Admin@gdbc2018.onmi crosoft.com	90	18	45
Global DevOps Bootcamp 2018 @ Ottawa	Ottawa	GDBC2018- Ottawa-Users	GDBC2018- Ottawa-Team01	G-Ottawa- User001	G-Ottawa- Admin@gdbc2018.onmi crosoft.com	120	22	60
Global DevOps Bootcamp 2018 @ Porto	Porto	GDBC2018- Porto-Users	GDBC2018- Porto-Team01	G-Porto-User001	G-Porto- Admin@gdbc2018.onmi crosoft.com	40	8	20
Global DevOps Bootcamp 2018 @ QLD ALM Users Group	QLDALMUsersGr oup	GDBC2018- QLDALMUsersGr oup-Users	GDBC2018- QLDALMUsersGr oup-Team01	G- QLDALMUsersGr oup-User001	G-QLDALMUsersGroup- Admin@gdbc2018.onmi crosoft.com	50	10	25
Global DevOps Bootcamp 2018 @ Quebec city by iA	QuebeccitybyiA	GDBC2018- QuebeccitybyiA- Users	GDBC2018- QuebeccitybyiA- Team01	G- QuebeccitybyiA- User001	G-QuebeccitybyiA- Admin@gdbc2018.onmi crosoft.com	90	9	45
Global DevOps Bootcamp	SantiagoChile	GDBC2018- SantiagoChile- Users	GDBC2018- SantiagoChile- Team01	G-SantiagoChile- User001	G-SantiagoChile- Admin@gdbc2018.onmi crosoft.com	120	23	60

2018 @ Santiago Chile								
Global DevOps Bootcamp								
2018 @ Solidify Stockholm	SolidifyStockholm	GDBC2018-SolidifyStockholm-Users	GDBC2018-SolidifyStockholm-Team01	G-SolidifyStockholm-User001	G-SolidifyStockholm-Admin@gdbc2018.onmicrosoft.com	40	8	20
Global DevOps Bootcamp								
2018 @ Solidify Tallinn	SolidifyTallinn	GDBC2018-SolidifyTallinn-Users	GDBC2018-SolidifyTallinn-Team01	G-SolidifyTallinn-User001	G-SolidifyTallinn-Admin@gdbc2018.onmicrosoft.com	1	10	0.5
Global DevOps Bootcamp								
2018 @ Poland	Poland	GDBC2018-Poland-Users	GDBC2018-Poland-Team01	G-Poland-User001	G-Poland-Admin@gdbc2018.onmicrosoft.com	80	8	40
Global DevOps Bootcamp								
2018 @ TelstraReadify	TelstraReadify	GDBC2018-TelstraReadify-Users	GDBC2018-TelstraReadify-Team01	G-TelstraReadify-User001	G-TelstraReadify-Admin@gdbc2018.onmicrosoft.com	50	10	25
Global DevOps Bootcamp								
2018 @ Ulm	Ulm	GDBC2018-Ulm-Users	GDBC2018-Ulm-Team01	G-Ulm-User001	G-Ulm-Admin@gdbc2018.onmicrosoft.com	30	6	15
Global DevOps Bootcamp								
2018 @ Vadodara	Vadodara	CANCELLED	CANCELLED	CANCELLED	CANCELLED	0	0	0
Global DevOps Bootcamp								
2018 @ Vilnius	Vilnius	GDBC2018-Vilnius-Users	GDBC2018-Vilnius-Team01	G-Vilnius-User001	G-Vilnius-Admin@gdbc2018.onmicrosoft.com	40	8	20
Global DevOps Bootcamp								
2018 @ VISUG	VISUG	GDBC2018-VISUG-Users	GDBC2018-VISUG-Team01	G-VISUG-User001	G-VISUG-Admin@gdbc2018.onmicrosoft.com	2	15	1
Global DevOps Bootcamp								
2018 @ WaterlooRegion	WaterlooRegion	GDBC2018-WaterlooRegion-Users	GDBC2018-WaterlooRegion-Team01	G-WaterlooRegion-User001	G-WaterlooRegion-Admin@gdbc2018.onmicrosoft.com	30	8	15

Waterloo Region								
Global DevOps Bootcamp 2018 @ Xpirit	Xpirit	GDBC2018-Xpirit-Users	GDBC2018-Xpirit-Team01	G-Xpirit-User001	G-Xpirit-Admin@gdbc2018.onmicrosoft.com	100	20	50
Global DevOps Bootcamp 2018 @ Xpirit Chennai	XpiritChennai	GDBC2018-XpiritChennai-Users	GDBC2018-XpiritChennai-Team01	G-XpiritChennai-User001	G-XpiritChennai-Admin@gdbc2018.onmicrosoft.com	150	25	75
Global DevOps Bootcamp 2018 @ Xpirit Hyderabad	XpiritHyderabad	GDBC2018-XpiritHyderabad-Users	GDBC2018-XpiritHyderabad-Team01	G-XpiritHyderabad-User001	G-XpiritHyderabad-Admin@gdbc2018.onmicrosoft.com	50	10	25
Global DevOps Bootcamp 2018 @ Zagreb	Zagreb	GDBC2018-Zagreb-Users	GDBC2018-Zagreb-Team01	G-Zagreb-User001	G-Zagreb-Admin@gdbc2018.onmicrosoft.com	35	8	17.5
Global DevOps Bootcamp 2018 @ Zaragoza	Zaragoza	GDBC2018-Zaragoza-Users	GDBC2018-Zaragoza-Team01	G-Zaragoza-User001	G-Zaragoza-Admin@gdbc2018.onmicrosoft.com	40	8	20
Global DevOps Bootcamp 2018 @ Microsoft Flux by Kompozure	MSFluxKompozure	GDBC2018-MSFluxKompozure-Users	GDBC2018-MSFluxKompozure-Team01	G-MSFluxKompozure-User001	G-MSFluxKompozure-Admin@gdbc2018.onmicrosoft.com	50	10	25
Global DevOps Bootcamp 2018 @ Solidify Gothenburg	SolidifyGothenburg	GDBC2018-SolidifyGothenburg-Users	GDBC2018-SolidifyGothenburg-Team01	G-SolidifyGothenburg-User001	G-SolidifyGothenburg-Admin@gdbc2018.onmicrosoft.com	40	8	20
Global DevOps Bootcamp 2018 @ MintTangentMicrosoft	MintTangentMicrosoft	GDBC2018-MintTangentMicrosoft-Users	GDBC2018-MintTangentMicrosoft-Team01	G-MintTangentMicrosoft-User001	G-MintTangentMicrosoft-Admin@gdbc2018.onmicrosoft.com	120	23	60

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## Appendix C: Drop Box Links

Challenge Name	Link	Points
CH001-AC001	<a href="https://www.dropbox.com/s/6bd5ult5d23n4ma/F001-P001-ManuallyCreateRGSG-help.zip?dl=1">https://www.dropbox.com/s/6bd5ult5d23n4ma/F001-P001-ManuallyCreateRGSG-help.zip?dl=1</a>	10
CH001-AC002	<a href="https://www.dropbox.com/s/qv2txjcqx71ty3n/F001-P002-ManuallyCreateAzureResources-help.zip?dl=1">https://www.dropbox.com/s/qv2txjcqx71ty3n/F001-P002-ManuallyCreateAzureResources-help.zip?dl=1</a>	10
CH001-AC003	<a href="https://www.dropbox.com/s/0r5gbaynj0pxm0f/F001-P003-AutomateResourceAndSecurityGroupsCreation-help.zip?dl=1">https://www.dropbox.com/s/0r5gbaynj0pxm0f/F001-P003-AutomateResourceAndSecurityGroupsCreation-help.zip?dl=1</a>	15
CH001-AC004	<a href="https://www.dropbox.com/s/69yhcoz1h5tzix7/F001-P004-AutomatedCreateAzureResources-help.zip?dl=1">https://www.dropbox.com/s/69yhcoz1h5tzix7/F001-P004-AutomatedCreateAzureResources-help.zip?dl=1</a>	15
CH001-AC005	<a href="https://www.dropbox.com/s/qtrocwqnolhxi5v/F001-P005-SetupIacGitRepo-help.zip?dl=1">https://www.dropbox.com/s/qtrocwqnolhxi5v/F001-P005-SetupIacGitRepo-help.zip?dl=1</a>	5
CH001-AC006	No Step by Step	25
CH001-AC007	<a href="https://www.dropbox.com/s/jq4abzww3v36hwm/F001-P007-RightClickPublish-help.zip?dl=1">https://www.dropbox.com/s/jq4abzww3v36hwm/F001-P007-RightClickPublish-help.zip?dl=1</a>	10
CH002-AC001	<a href="https://www.dropbox.com/s/85b67ek4ztben9t/F002-P001-help.zip?dl=1">https://www.dropbox.com/s/85b67ek4ztben9t/F002-P001-help.zip?dl=1</a>	5
CH002-AC002	<a href="https://www.dropbox.com/s/tt2aj6daif49dq9/F002-P002-SetupCIBuild-help.zip?dl=1">https://www.dropbox.com/s/tt2aj6daif49dq9/F002-P002-SetupCIBuild-help.zip?dl=1</a>	20
CH002-AC003	<a href="https://www.dropbox.com/s/sful2br8fe02e5a/F002-P003-SetUpCD-help.zip?dl=1">https://www.dropbox.com/s/sful2br8fe02e5a/F002-P003-SetUpCD-help.zip?dl=1</a>	20
CH003-AC001	<a href="https://www.dropbox.com/s/a8k3yykd8rrcfyj/F003-P001-Help.zip?dl=1">https://www.dropbox.com/s/a8k3yykd8rrcfyj/F003-P001-Help.zip?dl=1</a>	25
CH003-AC002	<a href="https://www.dropbox.com/s/mi3oao88qhyr0lc/F003-P002-Help.zip?dl=1">https://www.dropbox.com/s/mi3oao88qhyr0lc/F003-P002-Help.zip?dl=1</a>	25
CH003-AC003	<a href="https://www.dropbox.com/s/ktp352cscyyys7/F003-P003-Help.zip?dl=1">https://www.dropbox.com/s/ktp352cscyyys7/F003-P003-Help.zip?dl=1</a>	15
CH003-AC004	<a href="https://www.dropbox.com/s/l1p78btbraz3umo/F003-P004-Help.zip?dl=1">https://www.dropbox.com/s/l1p78btbraz3umo/F003-P004-Help.zip?dl=1</a>	20

CH003-AC005	No Step by Step	10
CH003-AC007	No Step by Step	10
CH004-AC001	<a href="https://www.dropbox.com/s/ghwdsjz4bb1ryjs/F004-P001-Run%20Unit%20Test%20in%20your%20build-help.zip?dl=1">https://www.dropbox.com/s/ghwdsjz4bb1ryjs/F004-P001-Run%20Unit%20Test%20in%20your%20build-help.zip?dl=1</a>	15
CH004-AC002	<a href="https://www.dropbox.com/s/dz01v07qebmm7i3/F004-P002-SetUpPullRequests-help.zip?dl=1">https://www.dropbox.com/s/dz01v07qebmm7i3/F004-P002-SetUpPullRequests-help.zip?dl=1</a>	10
CH004-AC003	<a href="https://www.dropbox.com/s/ucpr57fkj7mk8zz/F004-P003-FeatureBranchToDynamicEnvironment-help.zip?dl=1">https://www.dropbox.com/s/ucpr57fkj7mk8zz/F004-P003-FeatureBranchToDynamicEnvironment-help.zip?dl=1</a>	25
CH004-AC004	<a href="https://www.dropbox.com/s/c8ttmgfo4ceyw9e/F004-P004-QuickSmokeTest-help.zip?dl=1">https://www.dropbox.com/s/c8ttmgfo4ceyw9e/F004-P004-QuickSmokeTest-help.zip?dl=1</a>	10
CH004-AC005	No Step by Step	15
CH004-AC006	No Step by Step	10
CH004-AC006	No Step by Step	10
CH005-AC001	<a href="https://www.dropbox.com/s/x3862b2s27vazv8/F005-P001-help.zip?dl=1">https://www.dropbox.com/s/x3862b2s27vazv8/F005-P001-help.zip?dl=1</a>	5
CH005-AC002	<a href="https://www.dropbox.com/s/61qa3gxlnvxygv8/F005-P002-help.zip?dl=1">https://www.dropbox.com/s/61qa3gxlnvxygv8/F005-P002-help.zip?dl=1</a>	10
CH005-AC003	<a href="https://www.dropbox.com/s/Orzbw3320cot2ft/F005-P003-help.zip?dl=1">https://www.dropbox.com/s/Orzbw3320cot2ft/F005-P003-help.zip?dl=1</a>	5
CH005-AC004	<a href="https://www.dropbox.com/s/i6a7wkn198nf9h2/F005-P004-help.zip?dl=1">https://www.dropbox.com/s/i6a7wkn198nf9h2/F005-P004-help.zip?dl=1</a>	15
CH005-AC005	No Step by Step	15
CH006-AC001	<a href="https://www.dropbox.com/s/xcscqc68w10hemo/F006-P001-Manually%20create%20a%20deployment%20slot%20in%20your%20web%20app%20and%20deploy%20to%20this-help.zip?dl=1">https://www.dropbox.com/s/xcscqc68w10hemo/F006-P001-Manually%20create%20a%20deployment%20slot%20in%20your%20web%20app%20and%20deploy%20to%20this-help.zip?dl=1</a>	10
CH006-AC002	No Step by Step	15

CH006-AC003	<a href="https://www.dropbox.com/s/kw2u78eyfdyms9r/F006-P003-Update%20your%20pipeline%20to%20swap%20slots%20when%20ready-help.zip?dl=1">https://www.dropbox.com/s/kw2u78eyfdyms9r/F006-P003-Update%20your%20pipeline%20to%20swap%20slots%20when%20ready-help.zip?dl=1</a>	10
CH006-AC004	No Step by Step	30
CH007-AC001	<a href="https://www.dropbox.com/s/uvrgcmz7t6x9qiz/F007-P001-P714-AddAppInsightsToYourWebApp-help.zip?dl=1">https://www.dropbox.com/s/uvrgcmz7t6x9qiz/F007-P001-P714-AddAppInsightsToYourWebApp-help.zip?dl=1</a>	10
CH007-AC002	<a href="https://www.dropbox.com/s/72xsqw7olgavah5/F007-P002-P671-SetUpApplicationInsightsResourceInAzureFromPipeline-help.zip?dl=1">https://www.dropbox.com/s/72xsqw7olgavah5/F007-P002-P671-SetUpApplicationInsightsResourceInAzureFromPipeline-help.zip?dl=1</a>	20
CH007-AC003	<a href="https://www.dropbox.com/s/xmc79plgnion6w8/F007-P003-P672-AddApplicationInsightsUsageDashboard-help.zip?dl=1">https://www.dropbox.com/s/xmc79plgnion6w8/F007-P003-P672-AddApplicationInsightsUsageDashboard-help.zip?dl=1</a>	10
CH007-AC004	<a href="https://www.dropbox.com/s/wffc2nh0zq65kat/F007-P004-P673-AddAICustomEventsForEveryMenuItem-help.zip?dl=1">https://www.dropbox.com/s/wffc2nh0zq65kat/F007-P004-P673-AddAICustomEventsForEveryMenuItem-help.zip?dl=1</a>	15
CH007-AC005	<a href="https://www.dropbox.com/s/5lq92ydagsofosi/F007-P005-P715-BusinessWantsToImplementThisTelemetryScenario-help.zip?dl=1">https://www.dropbox.com/s/5lq92ydagsofosi/F007-P005-P715-BusinessWantsToImplementThisTelemetryScenario-help.zip?dl=1</a>	25
CH008-AC001	<a href="https://www.dropbox.com/s/9oitzz92urysdf1/F008-P001-Add%20Release%20Gate%20for%20Completed%20work-help.zip?dl=1">https://www.dropbox.com/s/9oitzz92urysdf1/F008-P001-Add%20Release%20Gate%20for%20Completed%20work-help.zip?dl=1</a>	10
CH008-AC002	<a href="https://www.dropbox.com/s/9dbw4bls6tdibsn/F008-P002-Create%20an%20Azure%20Function-help.zip?dl=1">https://www.dropbox.com/s/9dbw4bls6tdibsn/F008-P002-Create%20an%20Azure%20Function-help.zip?dl=1</a>	15
CH008-AC003	<a href="https://www.dropbox.com/s/5eij05u527ogo8z/F008-P003-Add%20a%20release%20gate%20that%20triggers%20the%20Azure%20function-help.zip?dl=1">https://www.dropbox.com/s/5eij05u527ogo8z/F008-P003-Add%20a%20release%20gate%20that%20triggers%20the%20Azure%20function-help.zip?dl=1</a>	15
CH008-AC004	<a href="https://www.dropbox.com/s/rknh3dyh2nl7wgx/F008-P004-Add%20a%20Release%20gate%20on%20app%20performance-help.zip?dl=1">https://www.dropbox.com/s/rknh3dyh2nl7wgx/F008-P004-Add%20a%20Release%20gate%20on%20app%20performance-help.zip?dl=1</a>	15
CH009-AC001	<a href="https://www.dropbox.com/s/b423ij06xhyifbd/F009-P001-PostSlack-help.zip?dl=1">https://www.dropbox.com/s/b423ij06xhyifbd/F009-P001-PostSlack-help.zip?dl=1</a>	10
CH009-AC002	<a href="https://www.dropbox.com/s/54wa088jqn95rcc/F009-P002-PostTwitter-help.zip?dl=1">https://www.dropbox.com/s/54wa088jqn95rcc/F009-P002-PostTwitter-help.zip?dl=1</a>	20
CH009-AC003	No Step by Step	30
CH010-AC001	<a href="https://www.dropbox.com/s/y882x47451x9sem/F010-P001-HideBannerWithFeatureToggle-help.zip?dl=1">https://www.dropbox.com/s/y882x47451x9sem/F010-P001-HideBannerWithFeatureToggle-help.zip?dl=1</a>	10

CH010-AC002	<a href="https://www.dropbox.com/s/5rhdm1en4ml27yi/F010-P002-CreateFeatureToggleSwitchPage-help.zip?dl=1">https://www.dropbox.com/s/5rhdm1en4ml27yi/F010-P002-CreateFeatureToggleSwitchPage-help.zip?dl=1</a>	20
CH010-AC003	No Step by Step	30
CH010-AC004	No Step by Step	0
CH011-AC001	<a href="https://www.dropbox.com/s/8jwfejcmgmb3s8q/F011-P001-AddAppInsightsToCatchPerfAndDiag-help.zip?dl=1">https://www.dropbox.com/s/8jwfejcmgmb3s8q/F011-P001-AddAppInsightsToCatchPerfAndDiag-help.zip?dl=1</a>	20
CH011-AC002	<a href="https://www.dropbox.com/s/xer702l0xub1v1e/F011-P002-P676-Add%20Release%20Annotations%20to%20your%20pipeline%20to%20show%20when%20a%20release%20has%20been%20done-help.zip?dl=1">https://www.dropbox.com/s/xer702l0xub1v1e/F011-P002-P676-Add%20Release%20Annotations%20to%20your%20pipeline%20to%20show%20when%20a%20release%20has%20been%20done-help.zip?dl=1</a>	10
CH011-AC003	No Step by Step	15
CH011-AC004	No Step by Step	15
CH012-AC001	<a href="https://www.dropbox.com/s/gu6r3dwjoh654ct/F012-P001-CreateContainerForWebApp-help.zip?dl=1">https://www.dropbox.com/s/gu6r3dwjoh654ct/F012-P001-CreateContainerForWebApp-help.zip?dl=1</a>	15
CH012-AC002	<a href="https://www.dropbox.com/s/2twvhh16gh2i5i3/F012-P002-SetupSQLServerContainer-help.zip?dl=1">https://www.dropbox.com/s/2twvhh16gh2i5i3/F012-P002-SetupSQLServerContainer-help.zip?dl=1</a>	15
CH012-AC003	<a href="https://www.dropbox.com/s/dh8kt1t14l29oo8/F012-P003-CreatePrefilledDataInSQLContainer-help.zip?dl=1">https://www.dropbox.com/s/dh8kt1t14l29oo8/F012-P003-CreatePrefilledDataInSQLContainer-help.zip?dl=1</a>	15

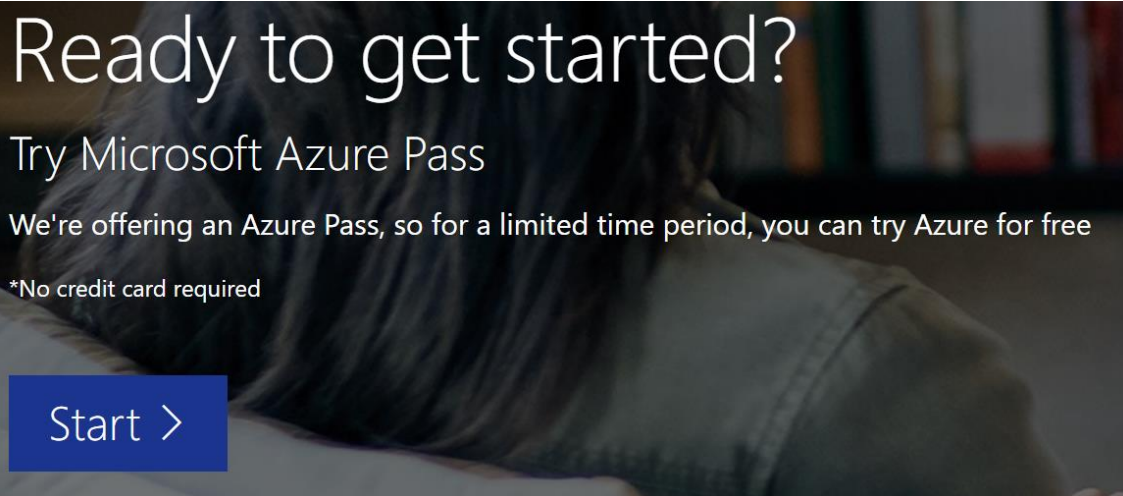
## Appendix C: Step by Step Activate Azure Pass

Venue username:

Username: G-DemoVenue-admin@gdbc2018.onmicrosoft.com

Password: Welc0me2GDBC2018

- Open browser in InPrivate mode
- Navigate to <https://globaldevopsbootcamp.visualstudio.com>
- Login to VSTS with the venue admin account (see appendix)
  - Username: [G-VenueName-admin@gdbc2018.onmicrosoft.com](mailto:G-VenueName-admin@gdbc2018.onmicrosoft.com)
  - Password: Welc0me2GDBC2018
- After logging in the first time, you get a screen to update your name and details
- After doing this, **you get a 404!**,
- Navigate to [globaldevopsbootcamp.visualstudio.com](https://globaldevopsbootcamp.visualstudio.com) again. Now it will show you the things you need. check if you see the projects you are entitled to.
  - GDBC2018-<venueName>-TeamXX
  - Challenges-public
- Navigate in the same (Incognito window) to [portal.azure.com](https://portal.azure.com). Make sure you are logged in with the **venue admin account**
- You are logged in to the portal, but cannot see resources.
- Navigate to <https://www.microsoftazurepass.com/>
- Click Start



- Confirm the **venue admin account (!)** and add the Azure Pass ID

The following Microsoft Account will be used for Azure Pass:

Given name:

Surname:

Microsoft Email: G-DemoVenue-admin@gdbc2018.onmicrosoft.com

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

Enter Promo code:

[Claim Promo Code](#)

- Wait for the request to complete

## Microsoft Azure

### 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.

## Thank you for redeeming an Azure Pass

This Azure Pass offer provides the following:

- \$100 USD monthly credits (converted to local currency)
- 1 month duration
- View [offer details](#)

Get started now:

[Activate >](#)

- Press Activate
- In the form that appears
  - First Name: **VenueName**
  - Last Name: **GDBC 2018**
  - Email: you **own email address** that you can receive email on
  - Phone: you **own phone number**
  - Company VAT ID: Empty

## About you

---

Country/Region 

Netherlands ▼


First name

DemoVenue

Last name

GlobalDevOpsBootcamp 2018

○

Email address 

rvanosnabrugge@live.com

Phone

0 628 777178

Company VatID 

Optional

By proceeding you acknowledge the [privacy statement](#) and [subscription agreement](#)

Next



- In the **next** screen. Agree with the terms and press Sign up

## 1 About you



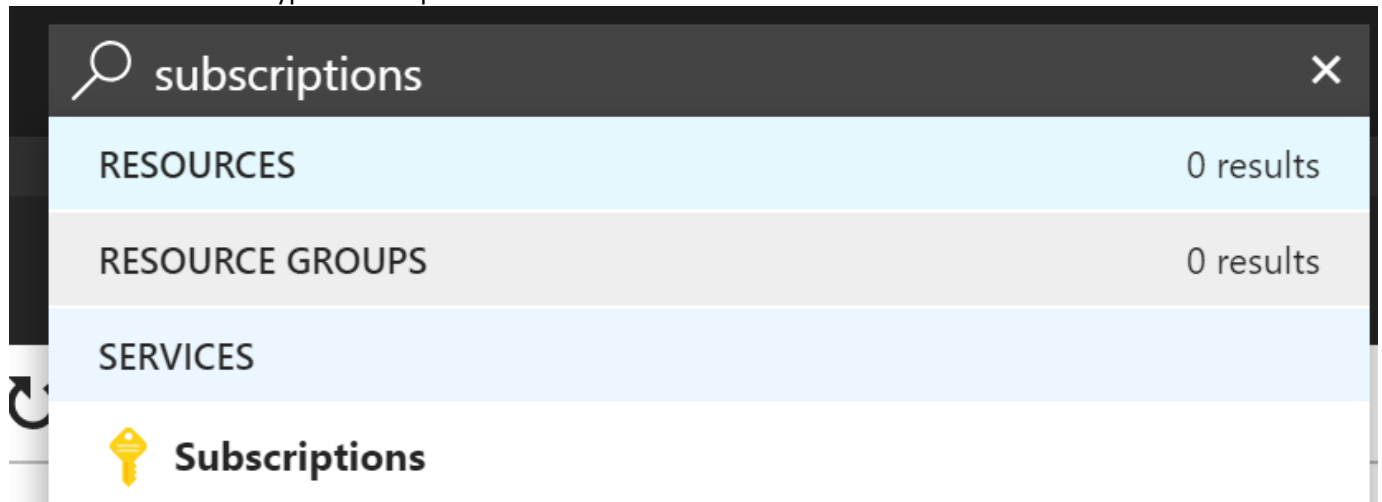
## 2 Agreement



- ☒ I agree to the [subscription agreement](#), [offer details](#), and [privacy statement](#)
- ☐ I would like information, tips, and offers about Azure, including Azure Newsletter and pricing updates, and other Microsoft products and services. [privacy statement](#)

Sign up

- Check <https://portal.azure.com> with the same email and validate if you can create a new resource group
- Your subscription is ready
- In the search type "subscriptions" and select it



- Select the Azure Pass Subscription and write down the subscription ID
- Navigate to Access Control and press Add

Azure Pass - Access control (IAM)

Subscription

Search (Ctrl+/)

Overview

Access control (IAM)

Diagnose and solve problems

COST MANAGEMENT + BILLING

Invoices

Cost analysis

External services

Payment methods

+ Add Remove Roles Refresh ? Help


Name *Search by name or email*

Type *All*

Scope *All scopes*

Group by *Role*

1 items (1 Users)

NAME	TYPE	ROLE
OWNER		
 G-DemoVenue... G-DemoVenue... User		Owner <i>1</i> Servi


- Add **gdbc2018-venue-name-users** as owner

Add permissions

Role *Owner*

Assign access to *Azure AD user, group, or application*

Select *gdbc2018-demo*

 GDBC2018-DemoVenue-Users

- All users can now create anything and assign rights. That can help them in solving issues. In the challenges however, they should try to do it "nice"