



# **WELCOME TO DXD L4 DEVOPS CULTURE AND METHODOLOGIES**



**14-16 April 2021  
09:30 - 16:30**

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# Troubleshooting

If I Disconnect	<ul style="list-style-type: none"><li>• One of you will automatically become the host and when I return, I'll resume the course</li><li>• Please don't leave the session</li></ul>
If you Disconnect	<ul style="list-style-type: none"><li>• Don't Panic</li><li>• Re-join using your link</li></ul>
Contact	<ul style="list-style-type: none"><li>• <a href="mailto:virtual.learningteam@qa.com">virtual.learningteam@qa.com</a></li><li>• Chat link from your joining email</li><li>• 0203 908 2376</li></ul>

QA

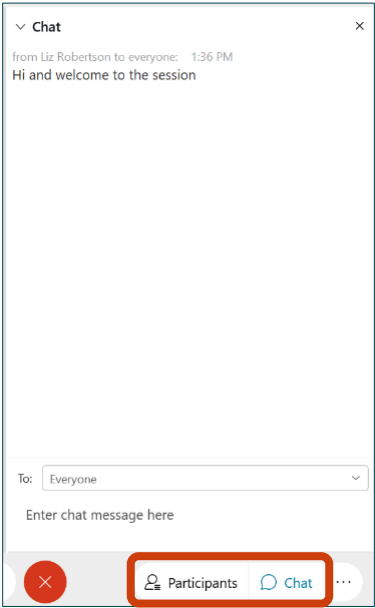
CHAT

WINDOW

Ask & Answer Questions

Add Comments





QA

REACTIONS  
And  
RAISED HANDS

Finding a topic interesting?  
Got a Question?



👍👏🎉😊

😂😮😞👎

Unmute

Start video

Share

Record

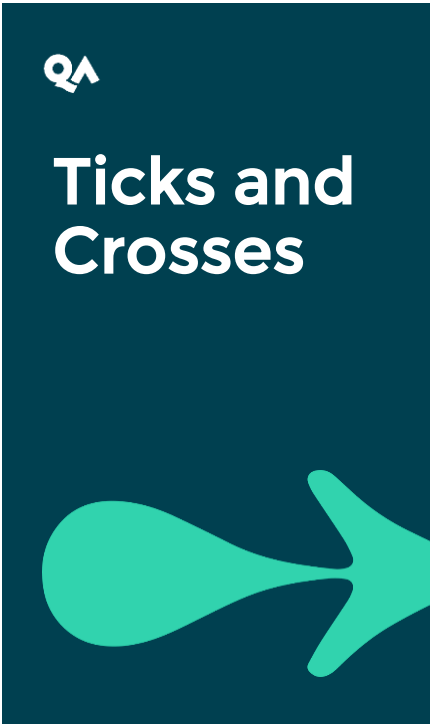
Participants (1)

Q Search

LR

Liz Robertson

Host, me



Copy and paste!

<https://tick.qaalabs.com/AJB>

Room AJB

Fred

✓

✓ Tick

✗ Cross

😊 Happy

👋 Hand

A

B

C

D

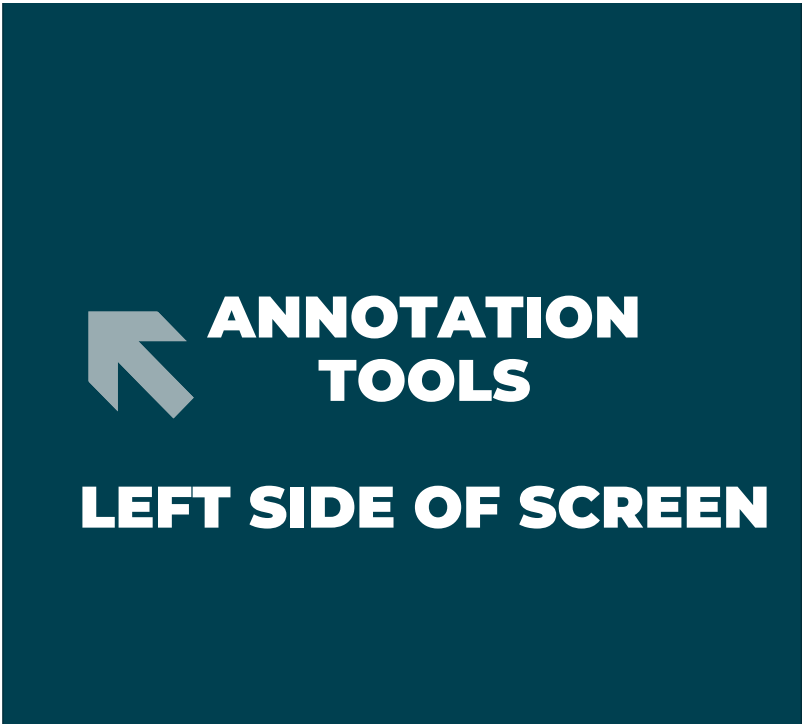
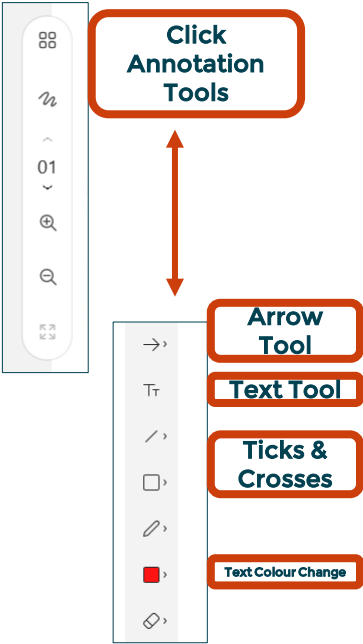
😊 Smile

☕ Break

🌙 Away


Clear

Laptop  
or  
phone is  
fine...






Use the annotation tools to show where you are...



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POTENTIAL

QUESTIONS?



Just ask  
Please interrupt me!



QA



## General timings

- 09:30 start
- 16:30 end
- 12:30 - 13:30 lunch
- 10 minute break about every hour

QA



## Wednesday

- Introduction
- DevOps as a culture
- Continuous integration

### Labs...

- Agile planning
- Designing a CI pipeline

QA



## Thursday

- Continuous delivery / deployment
- Introduction to source control
- Git basics
- Git branching
- Git forking
- Pull requests
  
- Labs...
- CD in the real world
- Other technologies
- Practical Git

QA



## Friday

- Installing Jenkins
- Jenkins jobs
- Other miscellaneous topics

### Labs and activities...

- Practical Jenkins
- Real-life CI/CD with Heroku

Course evaluation / next steps



- Learner Guide (PDF)
- Slides (as PDF)
- Lab instructions (PDF)
- [Shared via OneDrive and/or zip file]

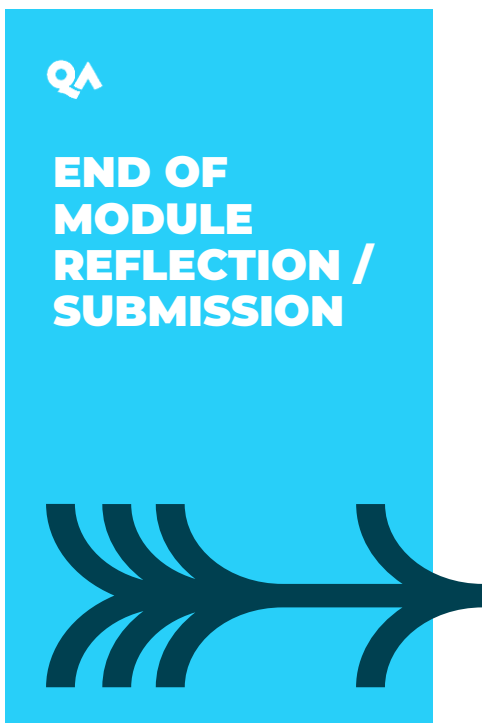


- Remote PCs are available for anyone who needs them [links TBC]

If using own PC...

- IDE (e.g. Visual Studio Code)
- Git installed
- Git Bash (for Windows)
- Node JS

- Everyone: GitHub account




- What's the key thing that you have learnt?
- What's the key thing that you will want to improve, or do differently?
- Also, when you get back to your workplace, can you briefly tell us:
  - What will you stop doing as a direct result of this Discover/Practise activity, and when?
  - What will you start doing as a direct result of this Discover/Practise activity, and when?
  - What will you continue doing, going forward?
  - How do you know that you have been successful?



- See the "apply" activity in Bud
- ... produce a project that explains and expands on your role within the company, and that evidences research you have done on a DevOps pipeline at work
- Your output will be added to your final portfolio, as evidence





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# INTRODUCTIONS



## About me...



- **Andrew Burgess**
- **Software Developer / Tutor**
- **Marconi Underwater Defence Systems | Lucas Aerospace | CODA Financials | bespoke software houses | packaged software houses | Carlsberg IT | web / advertising agencies | OutSystems (low-code)**
- **Assembler | C | C++ | C# | some Java | Python | JavaScript**
- **SQL Server | ASP.NET MVC | .NET Core | NodeJS | AngularJS | Angular**
- **Docker | AWS | Azure | CI/CD pipelines**



## It's all about YOU

Name

## Where do you work?

## Knowledge and Experience (programming, DevOps etc)

What are your particular objectives for the course?	
Ben	
Daniel	
Gary	
Ryan	
Thomas	
William	

