

Who are we?

- David Yuan, Chandradeep Tiwari ('CD'), Soumyadip De (Sammy), Tony Wildish
- Cloud Consultants in the EMBL-EBI TSI group
 - cloud-consultants@ebi.ac.uk
- Our documentation: <https://bit.ly/cc-doc>
- This tutorial: <https://bit.ly/resops-2020>



What can we do for you? – If you're at EBI...

- Review/suggest architectures & technologies for your software projects
- Work with you to produce PoC prototypes, help you refactor a design...
- Advise you on how to scale up/out, how to access storage, how to use cloud X, Y or Z
 - ...how to do *anything* cloud related...
- Work directly with you as team members on short, focused projects; 1-3 months
 - Exchange of knowledge
 - You learn how to do things that you need
 - We learn about what you need to do



What can we do for you? – If you're *not* at EBI...

- We can help you on a best-effort basis with the material in this course
 - Email us at cloud-consultants@ebi.ac.uk



This course

- Introduction to: cloud concepts, Docker, Gitlab, Kubernetes, porting apps to clouds
- Demos of Kubernetes & Gitlab AutoDevOps
- Hands-on exercises with Docker, Gitlab, Kubernetes
- By the end of the course, you will:
 - Be able to recognise opportunities to use these tools in your daily work
 - Know how to get started on your own
 - Write a Dockerfile, create a simple Kubernetes deployment
 - Configure Gitlab CI/CD pipelines
 - Design cloud-native architectures
 - Know where to go to dig deeper



Where to get more help?

- Our mailing list: cloud-consultants@ebi.ac.uk
- Our documentation: <https://bit.ly/cc-doc>
 - Includes all the material for this course
 - Clone the documentation locally:
 - <https://bit.ly/cc-doc> -> About this documentation -> link to git repo
 - <https://gitlab.ebi.ac.uk/TSI/tsi-ccdod>
 - Get all presentations/exercises etc in one place



Feedback!

- Your feedback is important!
 - Let us know what we've done right or wrong, what's useful, what's not
 - Tell us if the material is relevant or not, what's missing?
 - Length, delivery, coherency, whatever...
 - <https://bit.ly/resops-feedback>
- We may expand this course in the future
 - Our documentation (<https://bit.ly/cc-doc>) will always be our source/reference
 - Ultimate aim: standalone course, study offline, can give to new hires to do on their own

