de.KCD Summer School 2024

Deploying LLMs in the Cloud
Sep 16 – 20, 2024 Online

Lisa Schaak
Group Cloud & IT
Institute of Digital Health

16.09.2024

de.KCD

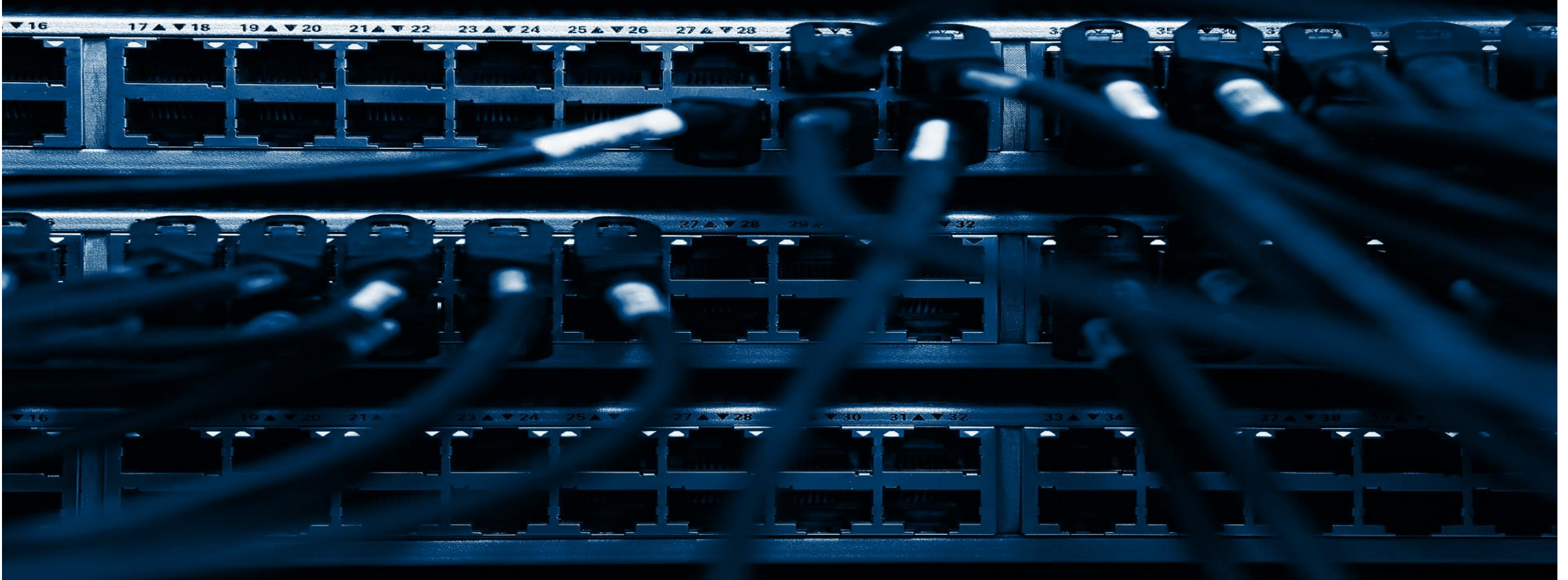BIH Berlin Institute
of Health
@Charité

Agenda

1. The de.KCD Project

2. Experience & Expectations

3. Introduction Round
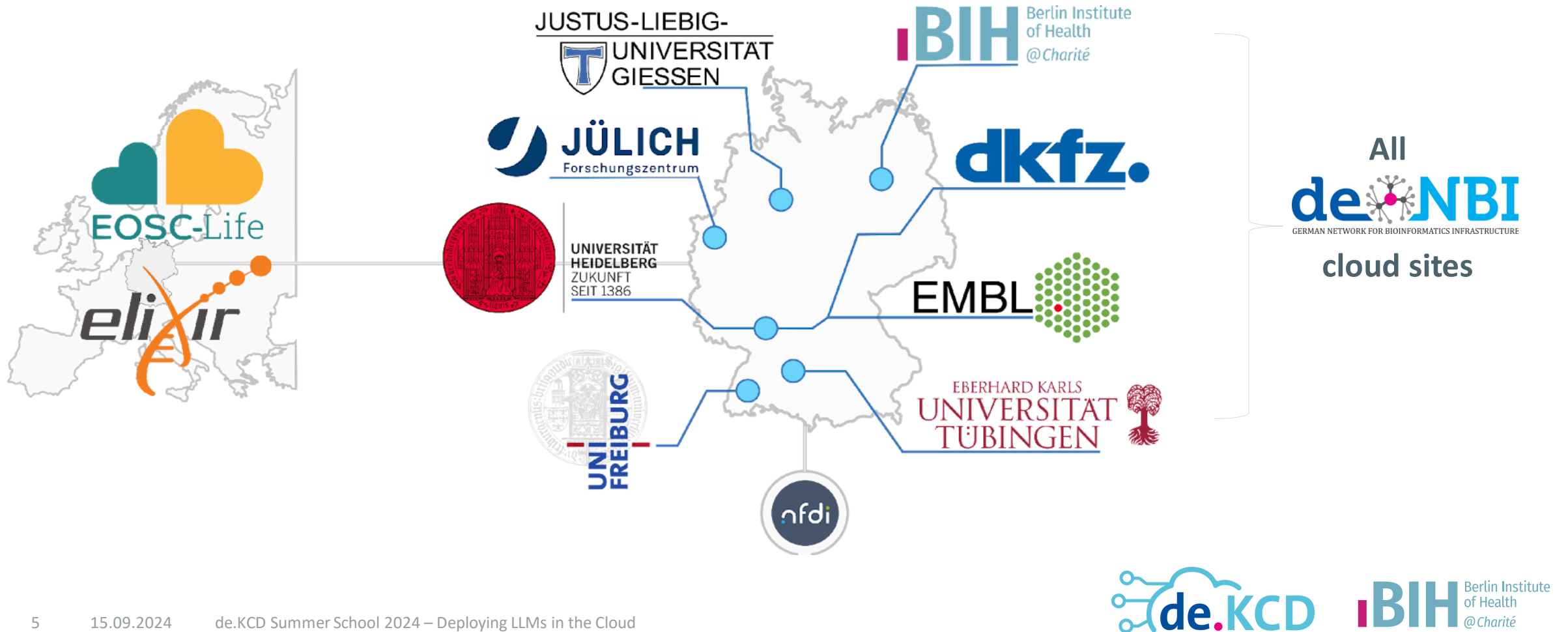
4. Summer School Program

5. Teams & Preparations

1.

The de.KCD Project

de.KCD – German Competence Center for Cloud Technologies
in Data Management and Data Processing

Mail: info@datenkompetenz.cloud.
Web: https://datenkompetenz.cloud/

SPONSORED BY THE

**Federal Ministry
of Education
and Research**

**Funded by
the European Union**
NextGenerationEU

de.KCD

BIH
Berlin Institute
of Health
@Charité

de.KCD – German Competence Center for Cloud Technologies
in Data Management and Data Processing

de.KCD – German Competence Center for Cloud Technologies
in Data Management and Data Processing
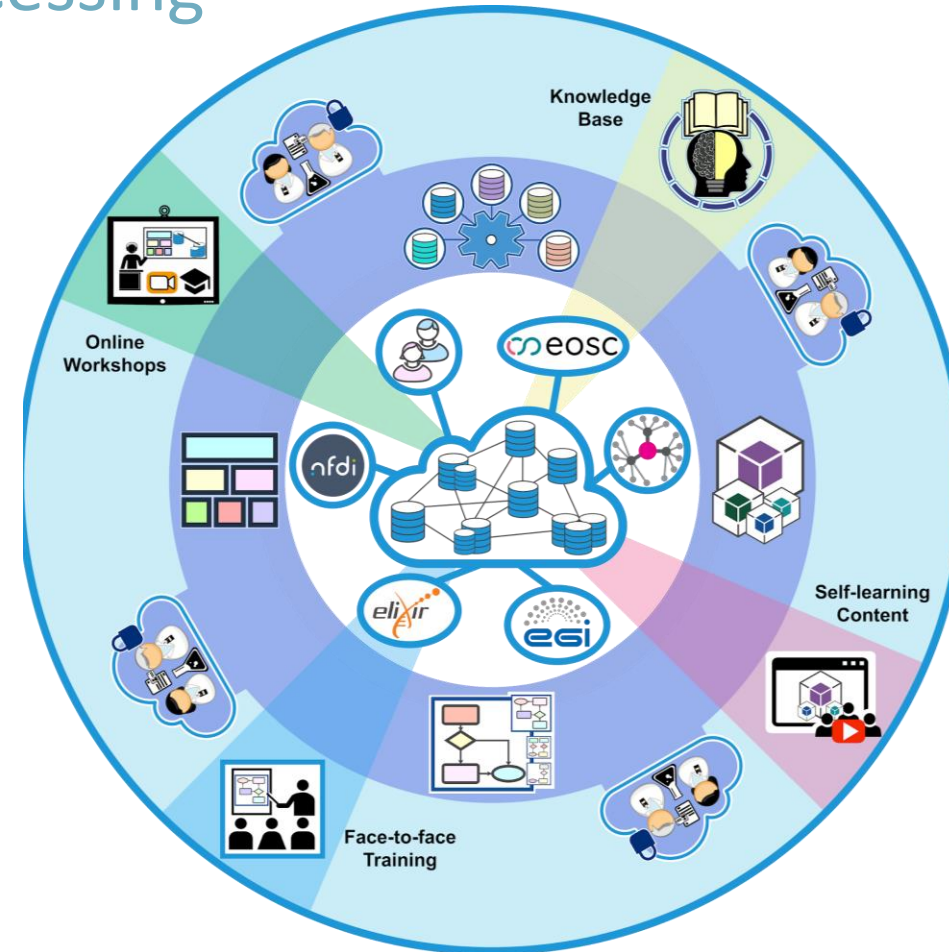
Networking

- national and international level
- user meetings, industrial forum, use cases

Research

- software stacks, containers, workflows
- trusted research environments
- information & data security standards

Teaching

- pre-configured virtual learning environments
- best practice examples of cloud-based DM
- discussing legal, social and ethical aspects

de.KCD – German Competence Center for Cloud Technologies
in Data Management and Data Processing

How to contact us

- Mail: info@datenkompetenz.cloud
- Web: https://datenkompetenz.cloud/

2.

Experience & Expectations

Survey Results: Expectations

Survey Results: Previous Experience

Please rate your Linux terminal / shell knowledge

Answered: 11 Basic terminal knowledge is a requirement for the hands-on-part of the workshop. If you clicked on none, please familiarize yourself with the basic concepts.

A. **none**: 2 (18.18%)

B. **basic**: 6 (54.55%)

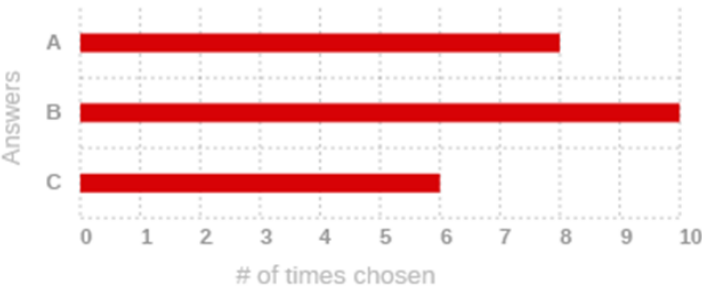C. **advance**: 3 (27.27%)

Have you ever used the following:

Answered: 11 We will use these in the hands-on-part. A basic understanding of the concepts is therefore helpful. Step-by-step instructions for the de.NBI cloud applications will be provided during the exercises.

A. **Docker**: 8 (72.73%)

B. **Git**: 10 (90.91%)

C. **SSH keys**: 6 (54.55%)

de.KCD Summer School – Important Infos

Hands-On

The more you engage, the more you'll get out of it.

Everyday Step by Step

The exercises build on one another, so don't be tempted to skip one.

Tech Support

If you need help, please drop in at 09:00 a.m. or use the lunch breaks.

Firewall

(Too) well protected, participants from Non-EU countries please team up with EU participants.

3.

Introduction Round

de.KCD Summer School
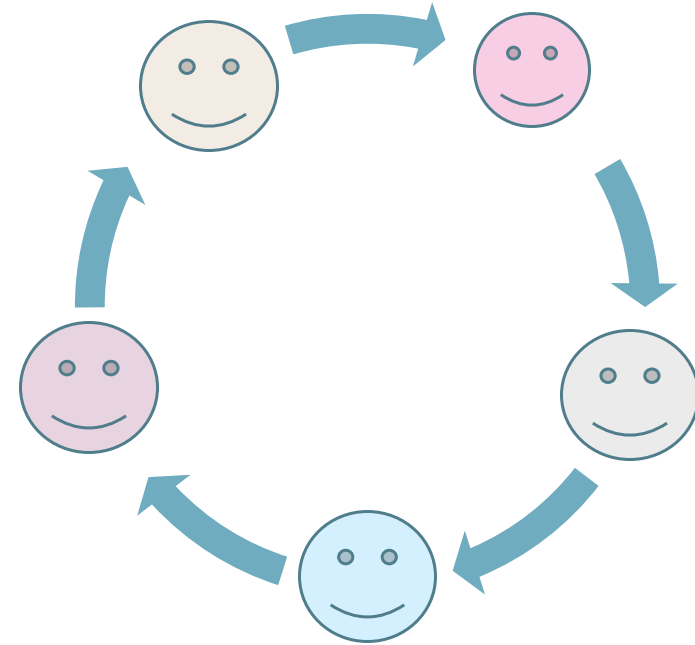## Introduction Round

Rate your skills

1 – need help, 2 – I'm pretty much fine, 3 – I can help.

Short introduction

First name, institution, field.

Ice breaker

If there is one thing AI could do to make my life even easier, it would be…

4.

Summer School Program

15.09.2024   Titel der Präsentation

Deploying LLMs in the Cloud: Day 0 – 1 – 2 Operation
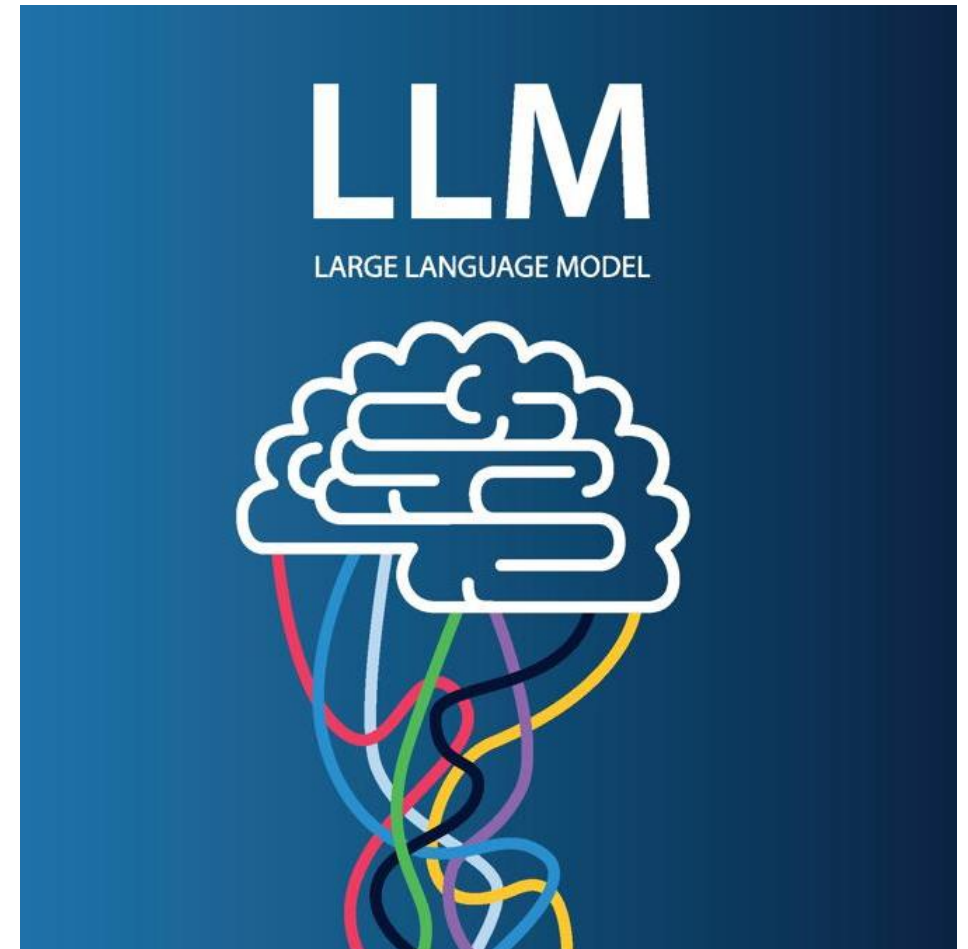
Day 0 – Paving the Path for Success

- Setting up the cloud project & compute resources
- Planning data protection and management

Day 1 – Transforming Ideas into Reality

- Deploying the actual large language model

Day 2 – Navigating the Post-Deployment Landscape

- Ensuring continuous operations
- Making sure it survives a reboot ☺

de.KCD Summer School - Timetable

Day	Times	Topic	Trainers
MON	10.00 – 12.00 13.00 – 15.00	How to Cloud	Lisa Schaak, Martin Braun, Jakob Mathis
TUE	10.00 – 12.00 13.00 – 15.00	How to Data	Fabian Praßer, Jeanne Wilbrandt, Lisa Schaak
WED	10.00 – 12.00 13.00 – 15.00	How to LLM	Sebastian Lobentanzer
THU	10.00 – 12.00 13.00 – 15.00	How to Service	Martin Braun, Jakob Mathis, Foo Wei Ten
FRI	10.00 – 13.00	How to Success	Lisa Schaak, Martin Braun

Open Questions?

.

Please feel free to contact:

lisa.schaak@bih-charite.de

5.

Teams & Preparation

deKCD Summer School – Teams & Preparations

Teams

Get to know each other and help each other to prepare the technical set-up.
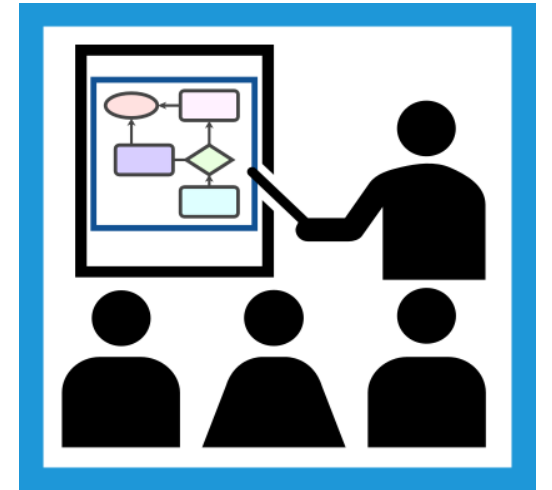
Github

Get an account and email your username to lisa.schaak@bih-charite.de

Accept the invitation and try to find the schedule in the README file.

de.NBI cloud project

Get an account and apply to our summer school project (see **link** in last email)

If possible upload your public SSH key to the de.NBI project.

Thank you!

We're looking forward to working with you this week.

In case of questions please contact:
lisa.schaak@bih-charite.de

SPONSORED BY THE

Federal Ministry
of Education
and Research

Funded by
the European Union
NextGenerationEU

de.KCD

BIH Berlin Institute
of Health
@Charité