



Welcome to this session: Cloud Services and Deployment

The session will start shortly...

Questions? Drop them in the chat.
We'll have dedicated moderators
answering questions.



Safeguarding & Welfare

We are committed to all our students and staff feeling safe and happy; we want to make sure there is always someone you can turn to if you are worried about anything.

If you are feeling upset or unsafe, are worried about a friend, student or family member, or you feel like something isn't right, speak to our safeguarding team:



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safeguarding@hyperiondev.com

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- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly. **(Fundamental British Values: Mutual Respect and Tolerance)**
- No question is daft or silly - **ask them!**
- There are **Q&A sessions** midway and at the end of the session, should you wish to ask any follow-up questions. Moderators are going to be answering questions as the session progresses as well.
- If you have any questions outside of this lecture, or that are not answered during this lecture, please do submit these for upcoming Academic Sessions. You can submit these questions here: **Questions**

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- For all **non-academic questions**, please submit a query:
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- We would love your feedback on lectures: [Feedback on Lectures](#)
- If you are hearing impaired, please kindly use your computer's function through Google chrome to enable captions.

Learning Outcomes

- Create a simple GitHub Action workflow
- Use GitHub Actions to build and deploy a React application



Where do GitHub Actions workflows run?

- A) Only on your local machine
- B) On GitHub-hosted or self-hosted runners
- C) Only on cloud servers
- D) Directly inside the GitHub repository



Which file format is used to define a GitHub Actions workflow?

- A) JSON
- B) YAML
- C) XML
- D) INI

Automated Deployment

- ❖ For this Tutorial, we're going to build and deploy a React application on a cloud linux server. We're also going to incorporate CI/CD for automated deployment whenever one pushes some changes to github.

Automated Deployment

❖ Tools we're going to use:

- **Cloud service provide:** Vultr
- **Version control:** Git and github
- **Development:** React
- **CI/CD Automation:** Github actions

Questions and Answers



Thank you for attending



CoGrammar



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