

**Title:** Cloud Methods Working Group

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**Abstract:**

The Bioconductor Cloud Methods Working Group invites enthusiasts to join our session, where we delve into our collaborative efforts in enhancing the scalability, security, and strategic direction of Bioconductor resources in the cloud environments. Throughout our journey, we have focused on pivotal areas including the integration of GitHub Actions for streamlined workflows, crafting a comprehensive strategic plan to guide our future endeavors, and fortifying the cloud security protocols surrounding Bioconductor Hubs datasets and related virtual machines. Our session will provide insights into the challenges we've faced, the solutions we've formulated, and the opportunities for further innovation by leveraging cloud AI technologies and collaboration within the Bioconductor community.

**Related works:**

1. [rworkflows: automating reproducible practices for the R community | Nature Communications](#)
2. BioCHubs\_Storage\_Defender:  
[https://docs.google.com/presentation/d/1IJzxn1RCn1A8CK0\\_SQU-TbenhS2ZAGYA/edit?usp=drive\\_link](https://docs.google.com/presentation/d/1IJzxn1RCn1A8CK0_SQU-TbenhS2ZAGYA/edit?usp=drive_link)
3. **BioC 2023 Session abstract:** [Cloud Methods \(bioconductor.org\)](#)