Welcome to this Training Session with Theiagen Genomics

We will soon be getting started

Software Development Practices for Public Health Bioinformatics

Week 00: Supplemental Session

A Mid-Atlantic Workforce Development Offering Provided by the Division of Consolidated Laboratory Services in Collaboration with Theiagen Genomics

Training Workshop Resources

Training Information, Communication, and Support

- **GitHub Repo** created to host training resources and information:
  - https://github.com/theiagen/Mid-Atlantic-SDP4PHB-2025
- **Support contact**:
  - support@theiagen.com

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Training Objectives

Software Development Practices for Public Health Bioinformatics

- Knowledge of **best software development practices applied to public health bioinformatics** such as **design documents** and the use of **integrated development environments**
- Proficiency in using **version control systems** for collaborative development
- Ability to deploy **continuous integration** and acceptance testing
- Understanding **workflow managers** and how to construct an analysis pipeline

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Training Format

Virtual Training Workshop

All sessions hosted via Zoom. Below are key dates for this workshop (all in Eastern Time):

- **Tuesday (x4), February 04 - 25, 2025, 11:00 am**
  - Training Lectures & Exercises (90m)
- **Thursdays (x4), February 06 - 27, 2025, 11:00 am**
  - Training Office Hours (60m)

*All participants should have received a **Calendar invite** with Zoom call-in information*

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GitPod Access for Hands-On Exercises

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Prerequisites for Hands-On Exercises

In addition to lectures, this course consists of several hands-on exercises to reinforce the coursework material. To participate in these exercises, trainees will need the following resources:

1. GitHub Account
2. GitPod Account
3. GitPod Configuration for Public Repositories
4. GitPod Workspace

Detailed instructions *for setting these up are available in our course* ***GitHub repository***

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GitPod Classic

Alternative to Gitpod Fex

Use GitPod to create a dev environment:

- Navigate to https://gitpod.io/
- Select "Continue with GitHub", authorize Gitpod to access your GitHub account, and sign in with your credentials
- Start New Workspace
- Set the repository to https://github.com/theiagen/Mid-Atlantic-SDP4PHB-2025/
- Select the default Editor and default Class, click "Continue"

Detailed instructions *for setting these up are available in our course* ***GitHub repository***

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GitPod Classic - Configuration for Public Repositories

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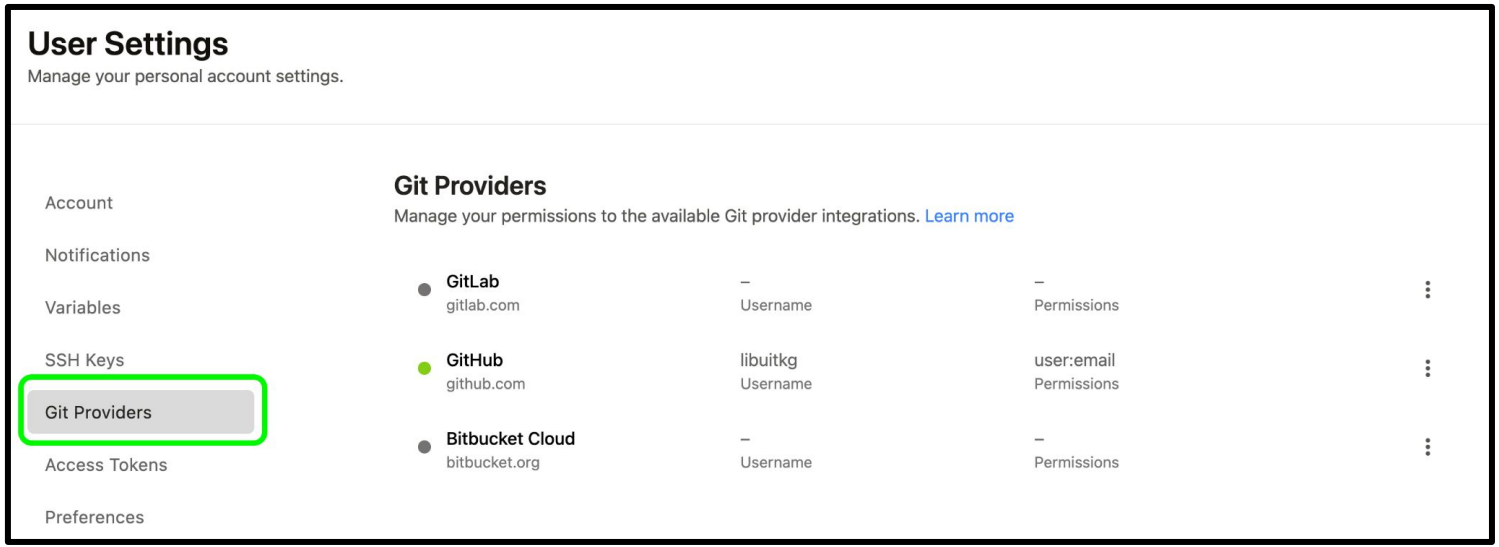
GitPod Classic - Configuration for Public Repositories



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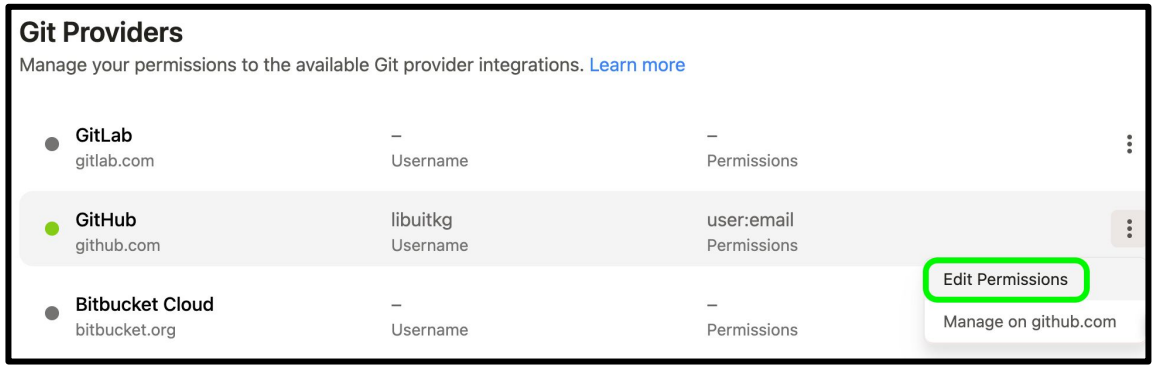
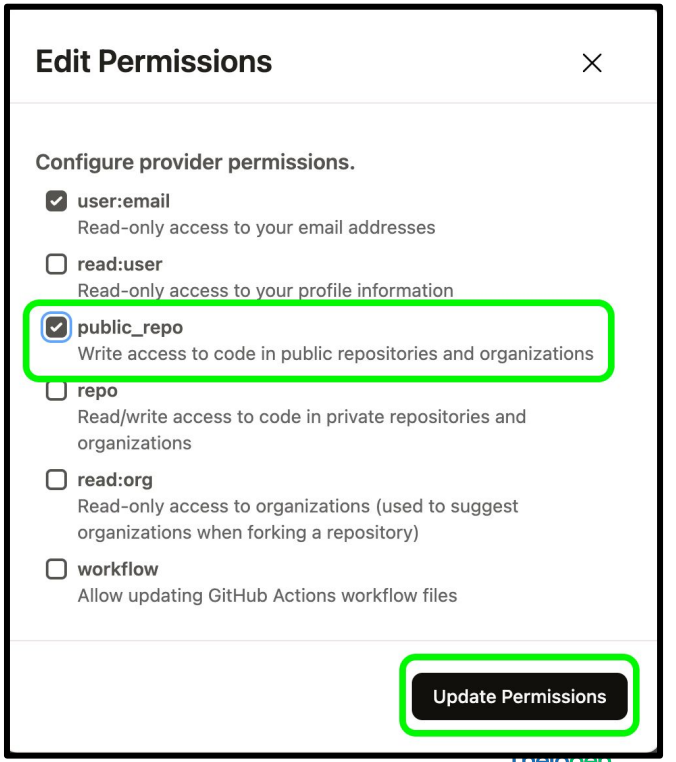
GitPod Classic - Configuration for Public Repositories





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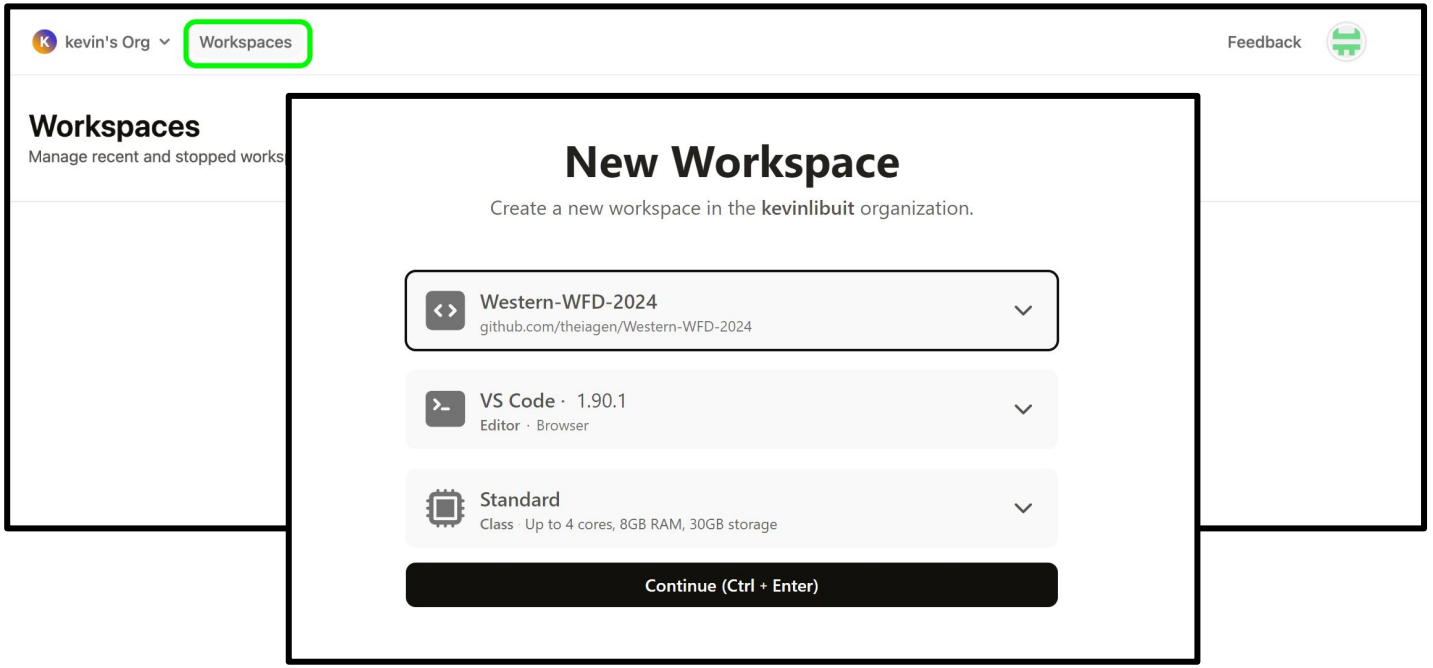

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