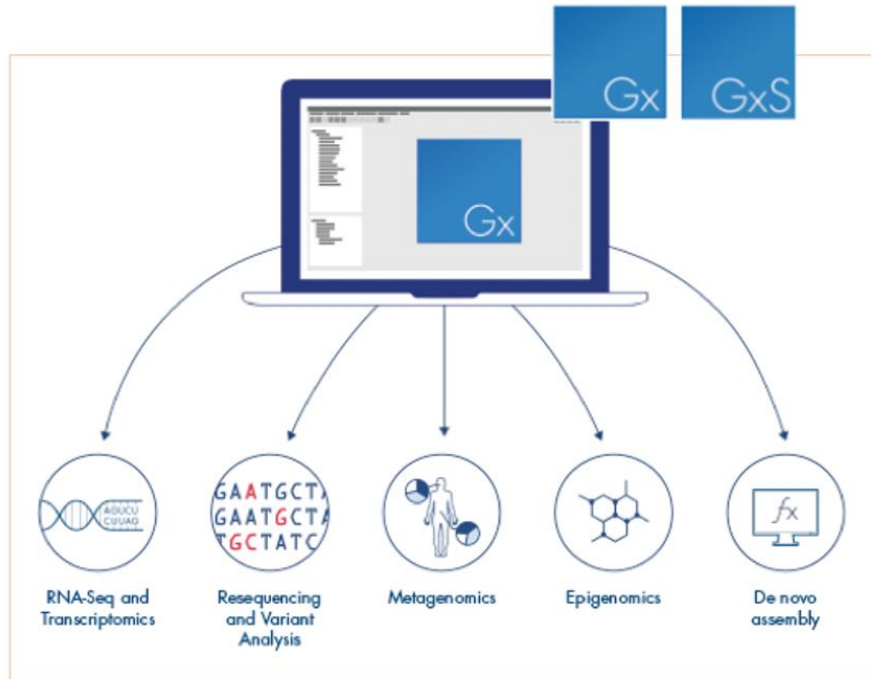


CLC Genomics Workbench

Version 24.0.1

User Setup Guide



September 2024

Introduction

CLC Genomics Workbench is a comprehensive suite of bioinformatics tools packaged into a user-friendly graphical environment. You can perform a range of analyses on next generation sequencing data and create customisable workflows for studies in genomics, transcriptomics, epigenomics and metagenomics.

Licensing

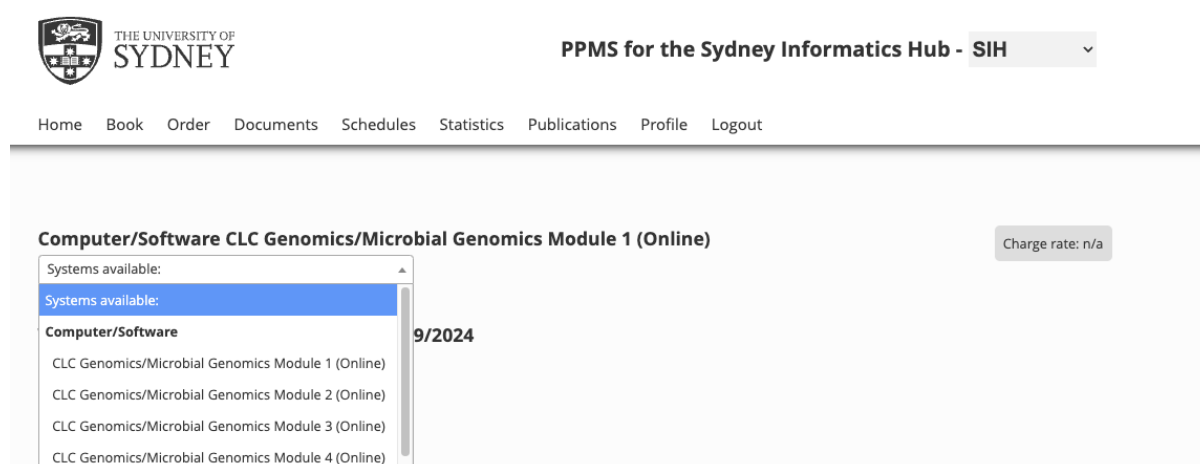
The University has 5 CLC licenses that are available free of charge to Sydney University students, researchers, and affiliates. All CLC Genomics Workbench licenses grant access to the Microbial Genomics Module.

Bookings on PPMS

Users are required to book one of the University's licenses using the [Sydney Informatics Hub PPMS](#). Log into PPMS using your unikey credentials and create an account by clicking “**account creation request**”. This will allow you to book and use a CLC Genomics Workbench/Microbial Genomics Module license.

Bookings are essential for you to use a license, to ensure fair use amongst CLC Genomics Workbench users. Please email sih.info@sydney.edu.au for more information on CLC Genomics Workbench.

After logging into PPMS, please book time using the calendar on Sydney Informatics Hub PPMS, <https://au.ppms.info/sydney/?pf=6> under ‘Book a system’.



The screenshot shows the Sydney Informatics Hub (SIH) PPMS interface. At the top left is the University of Sydney logo. To the right is the text "PPMS for the Sydney Informatics Hub - SIH" with a dropdown arrow. Below this is a navigation menu with links: Home, Book, Order, Documents, Schedules, Statistics, Publications, Profile, Logout. The main content area is titled "Computer/Software CLC Genomics/Microbial Genomics Module 1 (Online)" and includes a "Charge rate: n/a" button. A dropdown menu is open, showing "Systems available:" and a list of modules: "CLC Genomics/Microbial Genomics Module 1 (Online)", "CLC Genomics/Microbial Genomics Module 2 (Online)", "CLC Genomics/Microbial Genomics Module 3 (Online)", and "CLC Genomics/Microbial Genomics Module 4 (Online)". The date "9/2024" is displayed next to the list.

Once you've chosen one of the modules you'd like to book, select hour blocks in the calendar you'd like to book and select 'Book the selected sessions'.

⚠️ PPMS bookings are essential for CLC Genomics Workbench access

You will not be able to log onto the CLC Genomics Workbench without a valid booking on SIH PPMS. It can take up to 20 minutes for the license server to receive authentication of your PPMS booking.

If your attempted license connection fails for this reason, please retry after a few minutes.

You will receive an email 15 minutes before your PPMS booking ends to remind you to save your session and log off. If licenses are available in the next time slot, you may extend or add a new booking to continue using CLC Genomics Workbench.

⚠ VPN access required if not connected to the University network

Please start your [Cisco VPN](#) if you are not connected to the University network.

CLC Genomics Workbench Installation and License Server Access

You can use CLC Genomics Workbench as a stand-alone application on your desktop. The following instructions describe how to install the CLC Genomics Workbench and enable access to the University's CLC Genomics Workbench licenses.

Step 1: Download and install CLC Genomics Workbench on your desktop

If you do not have the latest CLC Genomics Workbench installed on your computer, go to the webpage:

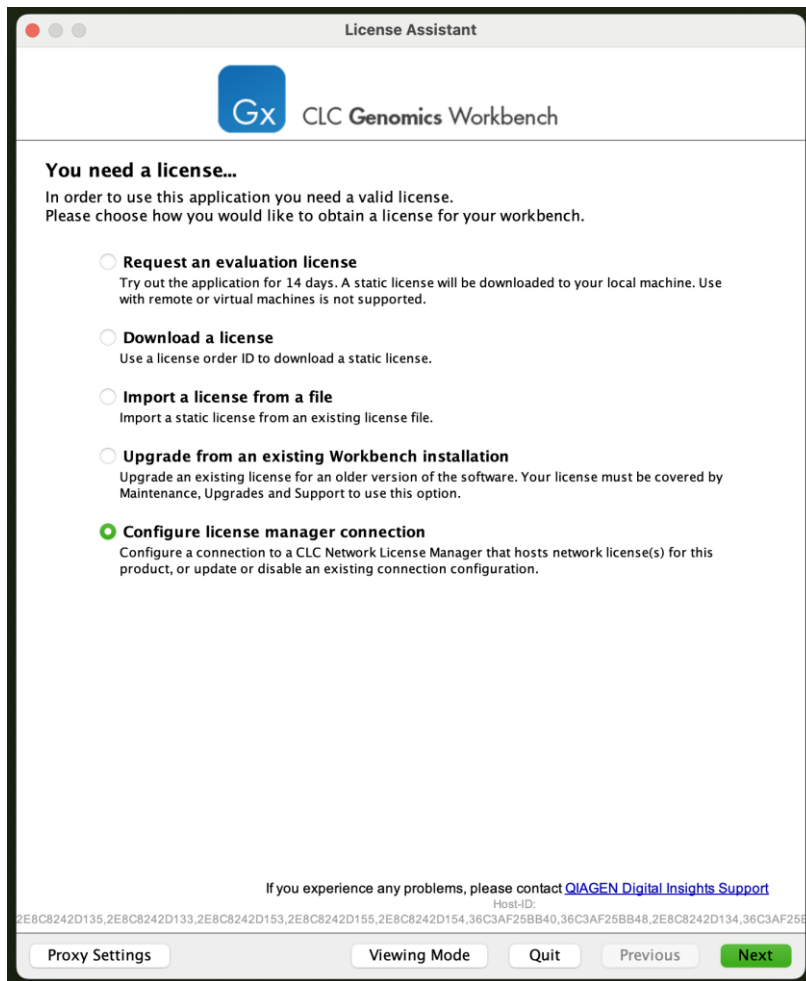
<https://digitalinsights.qiagen.com/products-overview/discovery-insights-portfolio/analysis-and-visualization/qiagen-clc-genomics-workbench/>

And 'DOWNLOAD A FREE TRIAL'

Step 2: Follow the installation setup, leave the default options checked and click accept/next as required

Step 3: At the 'You need a license' window:

Click 'Configure license manager connection' and 'Next':

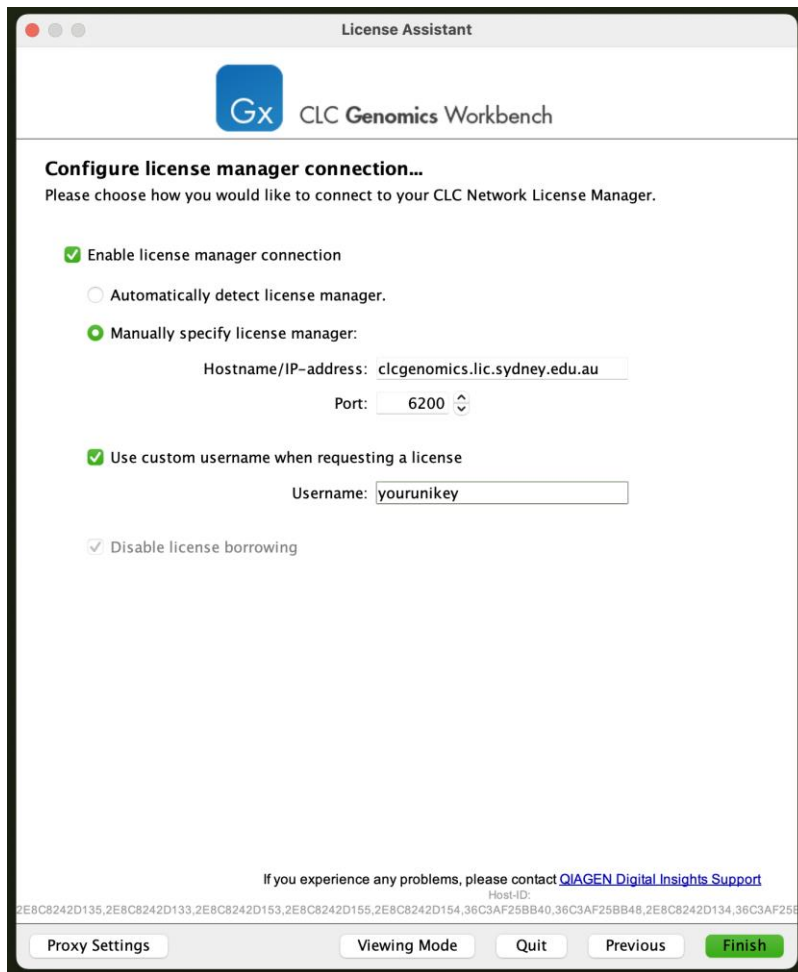


Check 'Enable license manager connection' and select 'Manually specify license manager'. Enter the following details:

Hostname/IP address: clcgenomics.lic.sydney.edu.au

Port: 6200

Username: Your unikey (e.g. abcd1234)



License Assistant

Gx CLC Genomics Workbench

Configure license manager connection...

Please choose how you would like to connect to your CLC Network License Manager.

- Enable license manager connection
 - Automatically detect license manager.
 - Manually specify license manager:
 - Hostname/IP-address:
 - Port:
- Use custom username when requesting a license
 - Username:
- Disable license borrowing

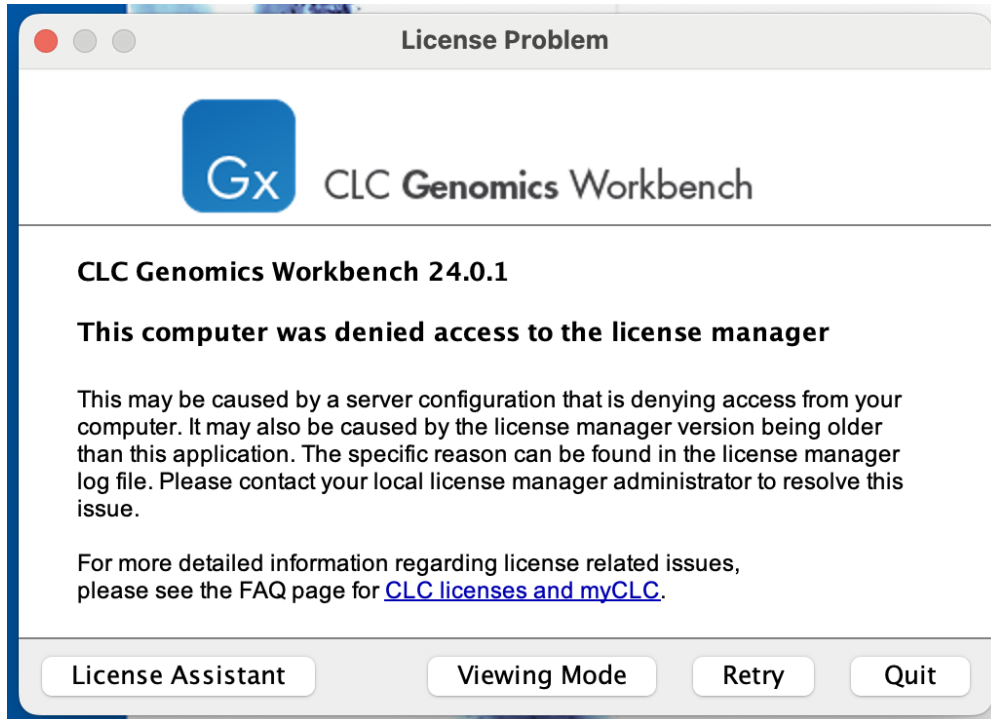
If you experience any problems, please contact [QIAGEN Digital Insights Support](#)

Host-ID:
2E8C8242D135,2E8C8242D133,2E8C8242D153,2E8C8242D155,2E8C8242D154,36C3AF25BB40,36C3AF25BB48,2E8C8242D134,36C3AF25...

Step 4: Click 'Finish'

The CLC Genomics Workbench will open up if you are able to connect to the license manager without issue. You can proceed to use the application for the remainder of your session.

If you encounter an error message stating “This computer was denied access to the license manager”, this means you do not have a current and valid license booking on PPMS. Please see the above section ‘Booking on PPMS’.



If you already have CLC Genomics Workbench (latest version) installed on your computer

Updating the license server address

You can update the license server details by following the instructions below.

1. Start the CLC genomics workbench
 - For Windows, you must right click on the CLC icon and click 'Run as administrator'.
 - Mac – start the CLC Genomics Workbench as usual
2. Go to Help -> License Manager
3. Click 'Upgrade Workbench License'
4. At the "You need a license" window: click 'Configure License Server Connection', 'Next', check 'Enable license server connection' and select 'Manually specify license server'. Enter the following details:

Hostname/IP address: clcgenomics.lic.sydney.edu.au

Port: 6200

5. Click 'Finish'

Using CLC Genomics Workbench

QIAGEN provide a number of resources and training event to support your use of CLC Genomics. You can find these on the CLC Genomics [webpage](#).

Acknowledging the Sydney Informatics Hub

The CLC Genomics Workbench is a service that is supported and provided by the Sydney Informatics Hub. Please support us by acknowledging us in your work. This is vital for the ongoing funding of the Sydney Informatics Hub.

Here is a suggestion for how you can acknowledge us:

“This research was supported by the Sydney Informatics Hub, funded by the University of Sydney.”