

# Establishing a Genomics Analysis Workbench

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# Genomics Virtual Lab (GVL)

The GVL project sees itself as **a broker to enable genomics expertise and platforms** through institutes, on both institutional and the Australian federal infrastructure.

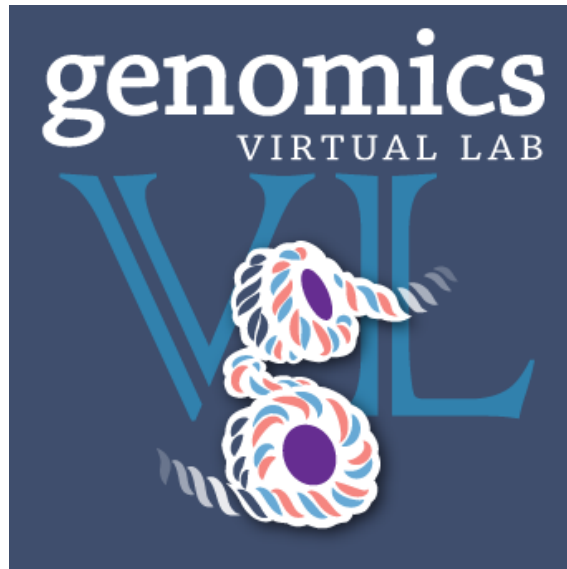
IDE vs. shell

# GVL aims

1. Scripts and frameworks for declaratively **building** CloudBioLinux and Galaxy instances on arbitrary infrastructure, including the cloud
2. Images and datasets for **deploying** CloudBioLinux and Galaxy on the NeCTAR Research Cloud, using allocations obtained by users/institutes
3. A **public Galaxy service for training** ([galaxy-tut.genome.edu.au](http://galaxy-tut.genome.edu.au)), running on the NeCTAR Research Cloud.
4. A **suite of tutorials and protocols** for best practice common genomics tasks
5. A **research program** looking at
  - a. Leveraging federal storage infrastructure as a genomics data and application portal through GenomeSpace;
  - b. Implementing a Scientific Collaboration Framework to allow communities to interact;
  - c. Hosting large federal genomics datasets

<b>Build</b>	<a href="https://github.com/afgane/gvl_flavor">github.com/afgane/gvl_flavor</a>
<b>Deploy</b>	<a href="http://launch.genome.edu.au">launch.genome.edu.au</a>
<b>Galaxy-tut server</b>	<a href="http://galaxy-tut.genome.edu.au">galaxy-tut.genome.edu.au</a>
<b>Tutorials</b>	<a href="http://genome.edu.au/wiki/Galaxy_Tutorials">genome.edu.au/wiki/Galaxy_Tutorials</a>
<b>The rest (or all)</b>	<a href="http://genome.edu.au">genome.edu.au</a>

**Takeaway**



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