

# Providing A National Software Repository for Interactive HPC



**CVL** | Characterisation  
Virtual Laboratory

<http://www.cvl.org.au>

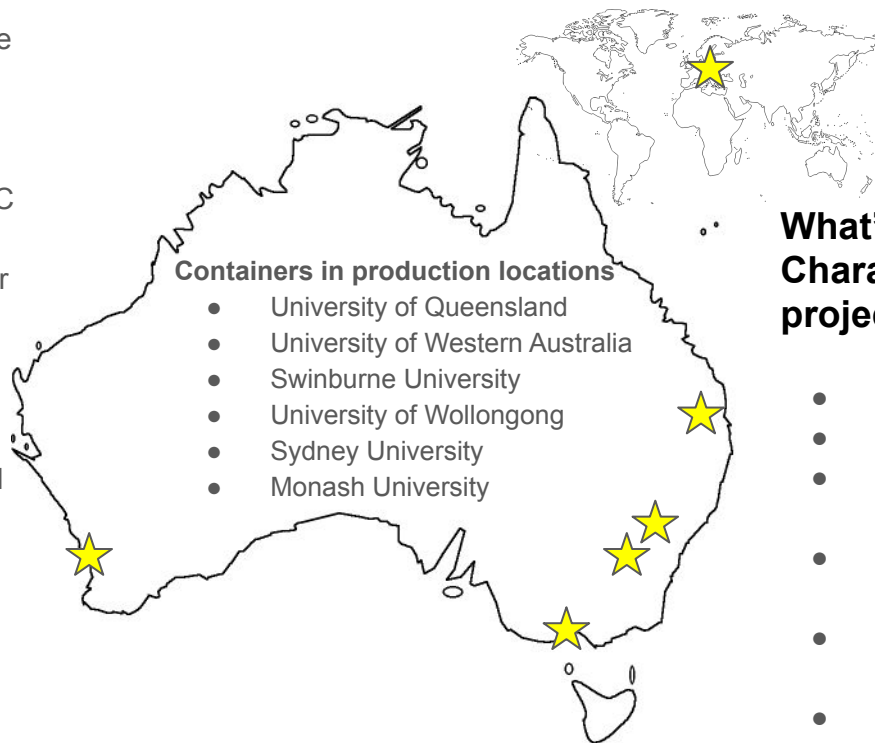
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# Characterisation VL (Research) Software Containers

<https://github.com/Characterisation-Virtual-Laboratory/CharacterisationVL-Software>

## Outcomes from CVL:

- Procedures for contributions have been developed and are in use ([link](#))
- Procedures for installations are being developed for different HPC deployments
- A public repository is available for container build scripts with contributions from developers, sysadmins and researchers.
- **48+ Packages have been developed, documented tested and committed**
- Pre-built containers are available from a public repository (Singularity Hub) for researchers and sites
- Disparate clusters are accommodated with container tags



<https://git.io/Jvoso>

## What's next under the Characterisation Commons project?

- More containers
- More communities
- More training (e.g. Neuroimaging training)
- Improved deployment (automated software stacks)
- Improved testing of containers (hardware and cluster)
- Services orchestration

# Characterisation VL (Research) Software Containers

<https://github.com/Characterisation-Virtual-Laboratory/CharacterisationVL-Software>

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amide/1.0.5	cellprofileranalyst/2.2.0	drishti/2.6.4	imblproc/20190405	playonlinux/.4.2.10	tensorflow/2.0.0-beta1
apex/latest	chimerax/0.8	elf/1.0	imod/4.9.9	protomo/2.4.2	tensorflow/1.14.0-keras-pydicom
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