

Experimental samples: Create container image using Singularity

Reference

- Presentation by Kenji Morimoto in PCCC22; <https://www.pccluster.org/ja/event/pccc22/program/>
- [Virtual Fugaku](#)

Quick instruction

How to execute

```
# To get pre-built container image of Ubuntu for arm64 (i.e., aarch64).  
$ pjsub 01_get-img.sh  
# To create your own SIF, based on Ubuntu container.  
$ pjsub 02_create-sif.sh  
# To execute a simple program using your own SIF.  
$ pjsub 03_run-mysif.sh
```

Important remark

- When using singularityAs for `pjsub`, `#PJM -L "jobenv=singularity"` should be set.
- Handling a container strongly depends on kinds of the file systems in your machine. In particular, you will need to properly set `FLAG_NOGRP` and `SDBOX_DIR` in `02_create-sif.sh`.
- Before trying this sample, we suggest that you check the document on the file system in your machine.