

Engines

‚Container in HPC Workshop 101‘

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Goal

What do we want to achieve?

1. Engines do the heavy (execution) lifting
2. They do lifecycle management of the
 1. Image
 2. Snapshot
 3. Container
3. on top they are doing configuration and setup to hand it over to (some) runtime. Sometimes the runtime is included or hidden.

Conclusion

What did we learn

1. Engine execute a container on a single node
2. HPC runtimes are build to duplicate the experience of a native process
(mpirun sarus run -mpi)
3. Different from Enterprise Containers they do not start a service
4. Up until the Engine you should not worry to much about which runtime to use