Open Standards

What is an Open Standard?

When multiple organizations or technologies adopt a specific technical standard. A standard is considered open when a public-facing community can participate on the development, maintenance and future changes to a standard.

Open Container Initiative
define industry standards around container image formats and runtime to make sure that all container runtimes could run images produced by any build tool,

CNI (Container Networking Interface)
a specification and libraries for writing plugins to configure network interfaces in Linux containers

CRI (Container Runtime Interface)
plugin interface which enables kubelet to use a wide variety of container runtimes, without the need to recompile. CRI-O is an implementation of the Kubernetes CRI to enable using OCI compatible runtimes.

CSI (Container Storage Interface)
a standard for exposing arbitrary block and file storage storage systems to containerized workloads on Container Orchestration Systems (COs) like Kubernetes

Open Telemetry
A collection of tools, APIs, and SDK, to instrument, generate, collect, and export telemetry data (metrics, logs, and traces)