

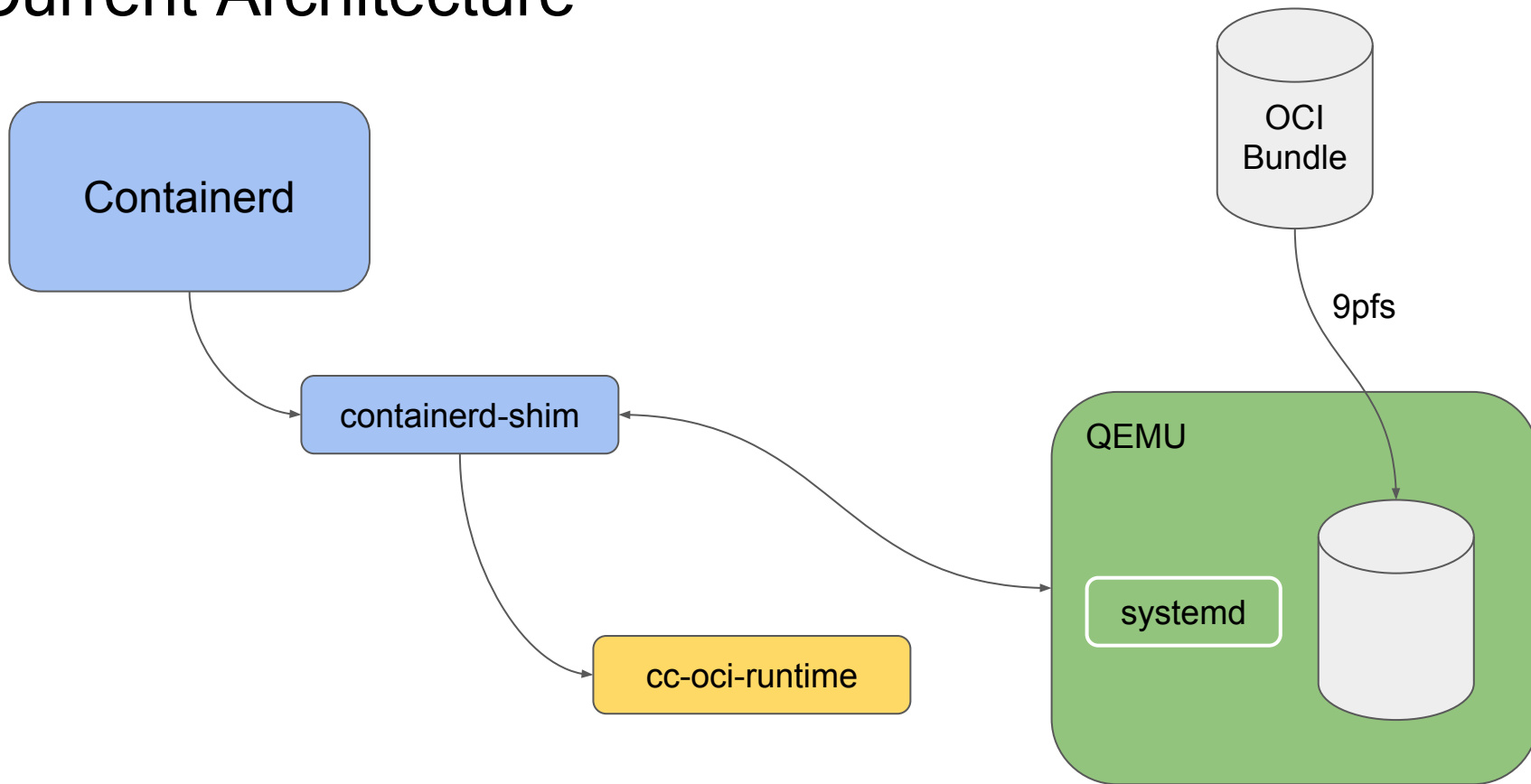
# Clear Containers Update

[samuel.ortiz@intel.com](mailto:samuel.ortiz@intel.com)

# Clear Containers

- Hypervisor backed containers
- OCI container runtime
- QEMU (pc-lite)
- Clear Linux: Guest OS and kernel
- Hyper, Rkt, Huawei

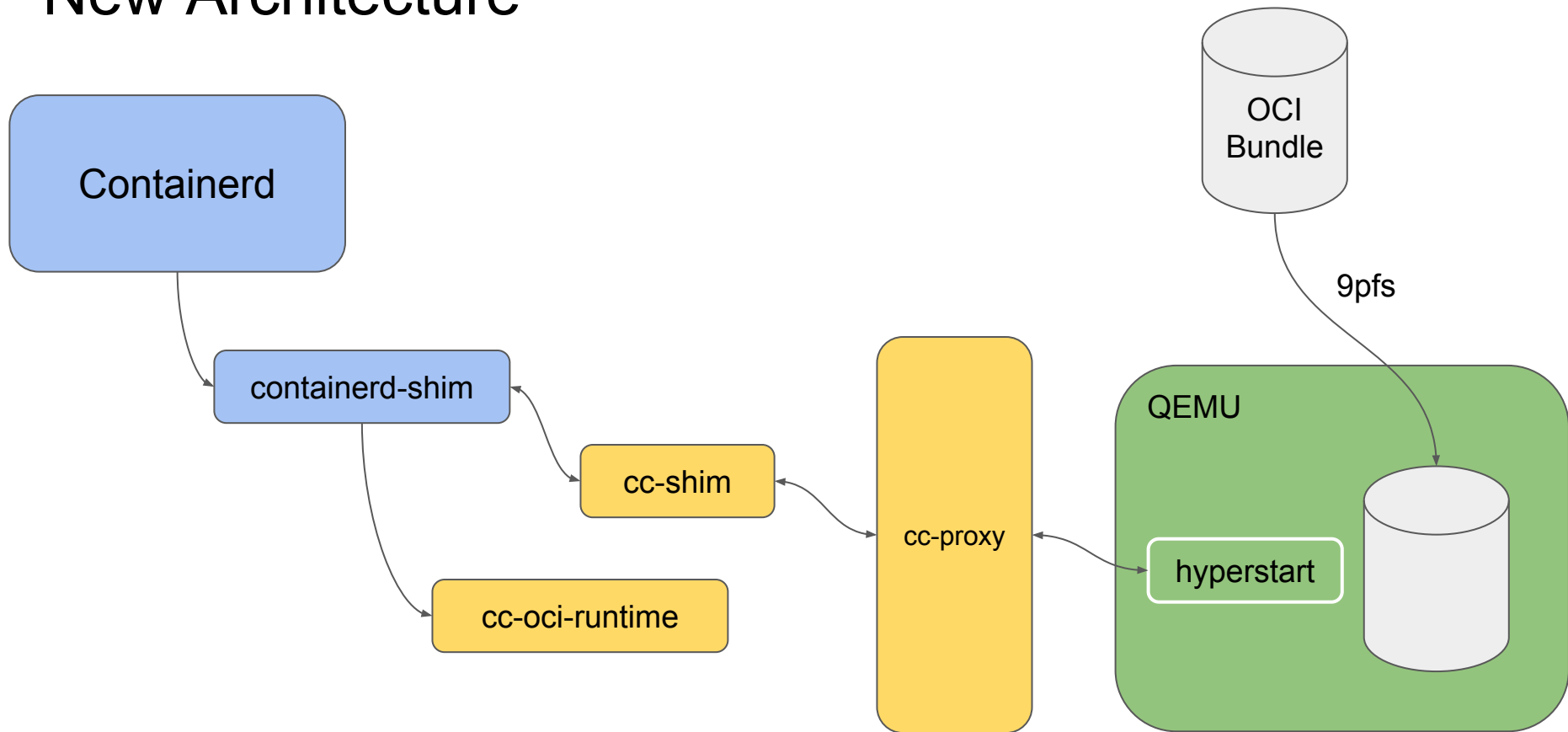
# Current Architecture



# Limitations

- No docker exec support
- Wrong exit code
- Assume shell is available in the container bundle
- No clean Pod support
- No namespaces

# New Architecture



# Future Plans

- Virtcontainers
- Device assignment (SR-IOV)
- Kubernetes/CRI/CRI-O
- Remove the tap <-> veth bridge
- AF\_VSOCK

**<https://github.com/01org/cc-oci-runtime>**  
**<https://github.com/sameo/virtcontainers>**