

# LINBIT / Anuket RM

Joel Zhou - Jan 26, 2022

# Agenda

LINBIT intro

DRBD intro

LINSTOR intro

LINSTOR solutions

Q&A

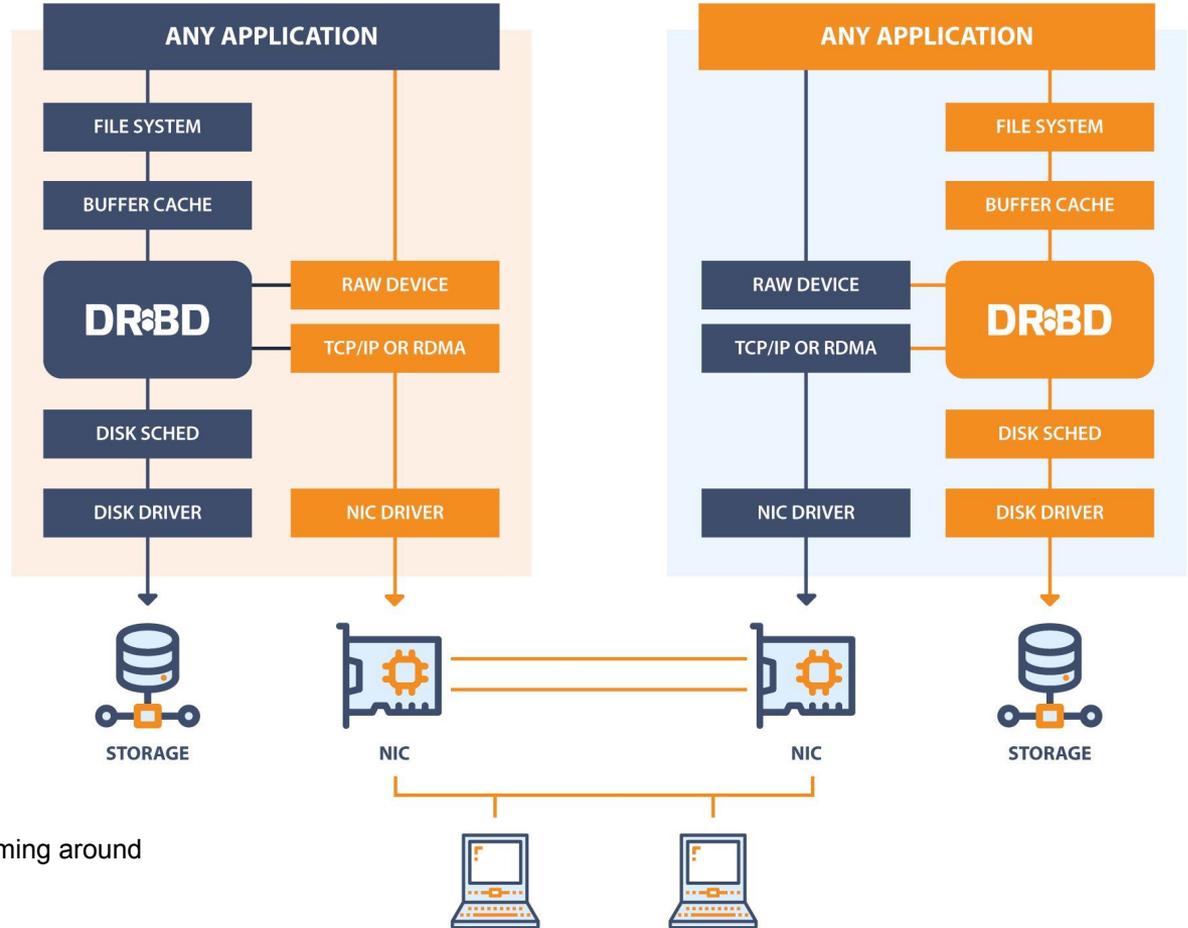
# LINBIT intro

the company behind the open-source storage software DBRD and LINSTOR for 20 years

Offices in Vienna, Austria and Portland, USA

# DRBD intro

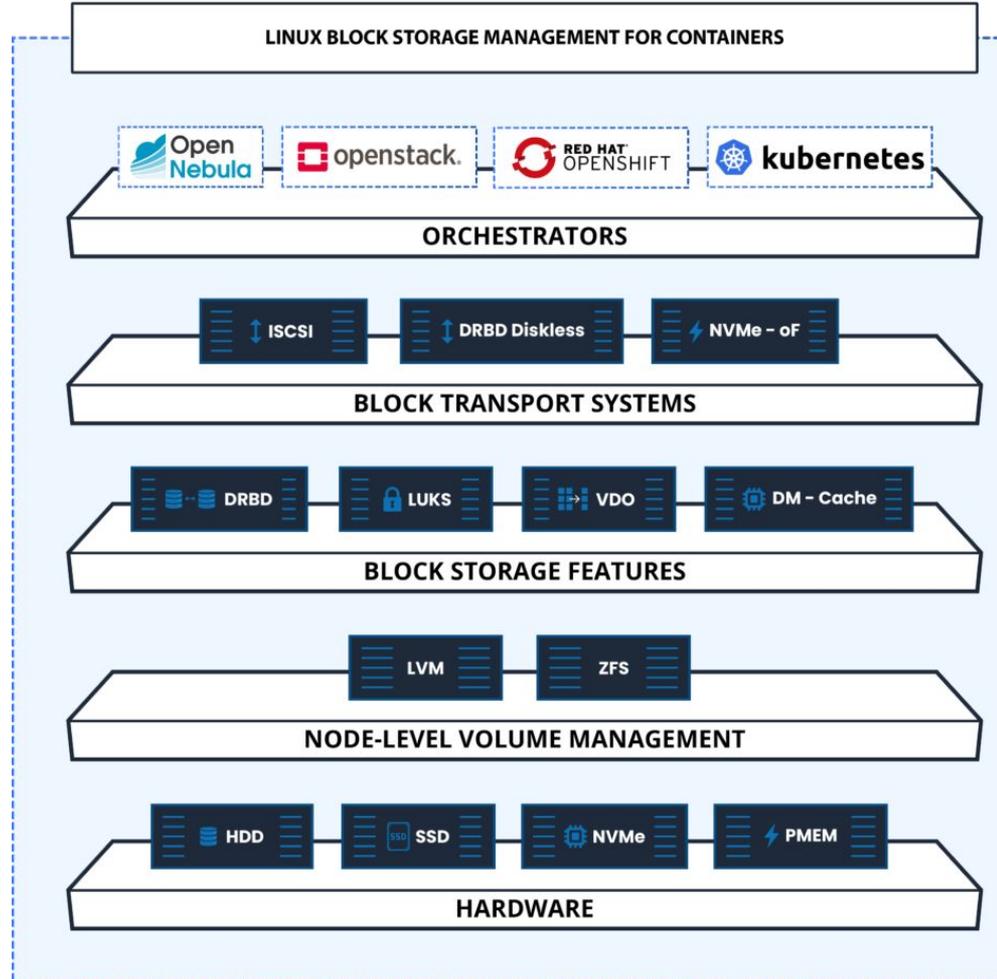
- Open-source software
- Created 20 years ago
- Merged into Linux kernel in 2009 (version 2.6.33)
- Block data replication
- Widely adopted in HA/DR



\*WinDRBD (DRBD for Windows) v1.0 is coming around compatible with the Linux version of DRBD

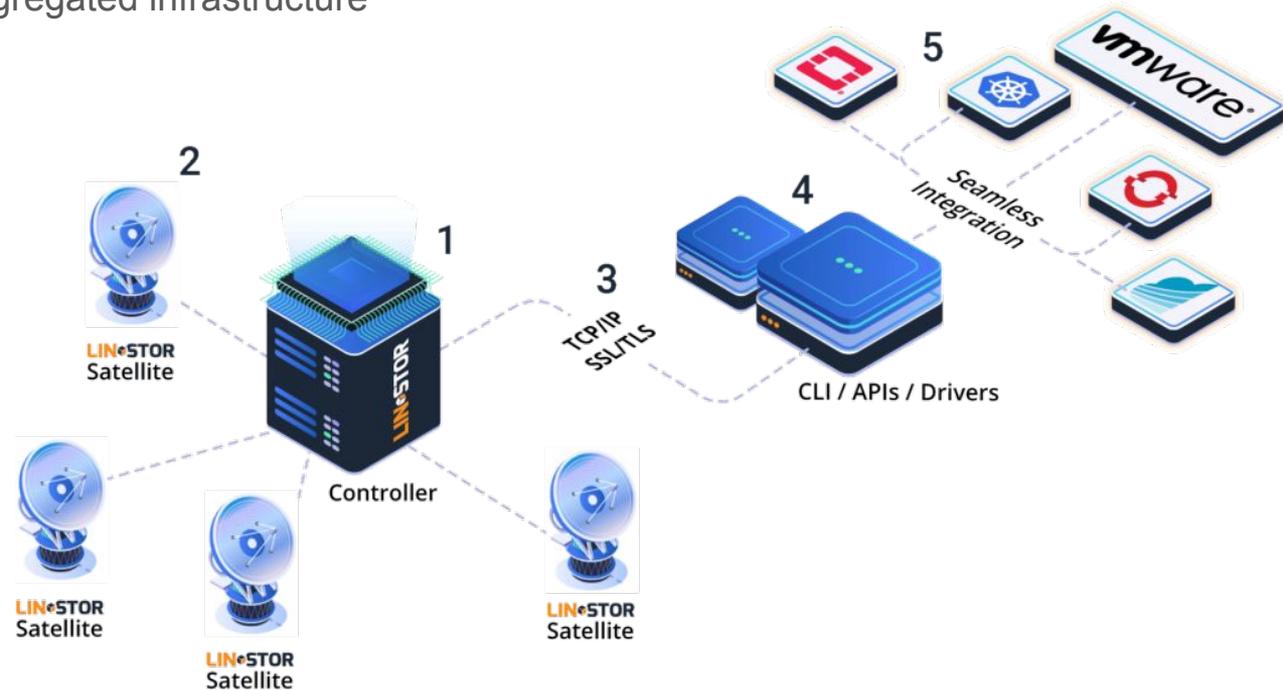
## LINSTOR intro

- CNCF sandbox project
  - named Piraeus Datastore
- An orchestrator for Linux block storage
  - stackable
- High performance, low latency
  - about 95% of native performance
- Low resource consumption
  - hundreds of MB RAM
- Cross-platform
  - x86/ARM/s390x/MIPS...
- Data plane and control plane separately



# LINSTOR solutions

- Kubernetes CSI driver
- OpenStack Cinder driver (since “Stein”, April 2019)
- Hyperconverged and disaggregated infrastructure



Q&A