# LIN·BIT SDS

LINSTOR® FOR KUBERNETES

LINSTOR® provisions and manages persistent storage natively through the Kubernetes Container Storage Interface (CSI). This enables customers to manage database, machine learning, and messaging workloads in Kubernetes & OpenShift. LINSTOR® is fully software-defined and developed under the open-source development model.

You get

✓ Storage that performs as fast as your application requirements, even while persisting to disk.

✓ A product built on Linux building blocks that have been in the Linux Kernel for years.

✓ The ability to run your storage in either hyperconverged or composable modes.

Technical Benefits

✓ Run databases

✓ Machine learning workloads

✓ Messaging workloads
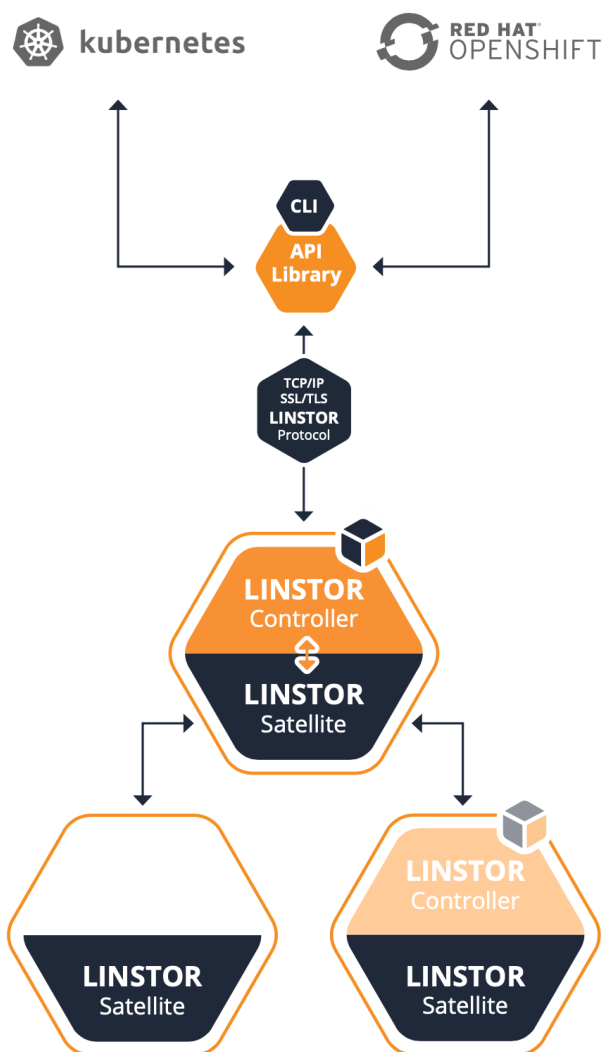
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Speed

Clients know which type of storage infrastructure their applications require. Some apps need hyperconverged storage for convenience and speed. Other applications require composable storage that scales. LINSTOR® enables:

1. Hyper-converged clustered storage so that your application can read/write from the same servers that are storing the data, ensuring extremely low overhead, write throughput, and latency.

2. Composable storage connected via TCP or NVMe-oF*. Enabling applications to scale storage and compute at different rates while maintaining high performance.

Flexibility

1. Create hyper-converged clustered storage so that you are reading/writing from the same servers that are storing the data, ensuring extremely low overhead write throughput and latency.

2. Separate out storage and compute servers then connect the servers via TCP or NVMe-oF. Meaning clients get the ability to scale storage and compute at different rates while maintaining high performance.

Reliability

For nearly two decades, LINBIT has been supporting storage deployments 24x7 for the largest companies on the planet, such as Google, IBM, Cisco, and HPE.

LINSTOR® is based on two core components: the control and data plane. LINBIT's data-plane is Linux Kernel based software: it is highly stable and performant. LINBIT developed the control plane completely separately, meaning that if a controller fails, your data is still accessible: A huge advantage over other storage

Relevant Features

✔ CSI Driver Integration

✔ Open Source

✔ Rest API

Business Benefits

Save engineering time
by eliminating manual resource configuration

Save your business data
by combining LINSTOR® with DRBD to provide resilient block storage

Save engineering headaches
by enabling top-level views of your clusters

Protect your investments
by choosing an open-source solution

SOME OF OUR CLIENTS

CISCO · intel · IBM · SMBC · SSI SCHAFER · ING · BBC · Volkswagen · adidas

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