

Oracle Cloud Infrastructure: Built for Enterprise

Linkd

SaaS development firm moves web and mobile platform infrastructure to Oracle

Linkd is a SaaS development firm that built a web and mobile project management platform for the AEC industry. Linkd's platform enables the construction, real estate and manufacturing industries to make better-informed decisions using an advanced technology stack with Artificial Intelligence (AI), Augmented Reality and other market driven features that offers the ability to consolidate different point solutions into one collaboration platform.

Linkd is built on a Mongo, Angular, Express, and Node JS stack, also known as a MEAN stack. The MEAN stack, along with Linkd's open API strategy, enables flexibility and sparsity in database storage. This technology stack offers Linkd the ability to easily customize its feature set for many different industries, applications and individual use cases.

Cloud infrastructure needed to grow customer base

As Linkd expands its business and market footprint, their commitment to the customer and partner ecosystem will continue to be the highest priority.

"Linkd needed an effective way to attach block storage to bare metal servers and achieve faster block storage and deployment times. Other cloud providers couldn't accommodate that requirement. Oracle delivered." said Todd Robertti, CTO and Founder.

A complete application stack in the cloud

With the MEAN stack, Linkd can deploy their complete application stack on any server and have it running in 5 minutes or less. Linkd has 12 servers on Oracle Cloud Infrastructure.

- A load balancer at the edge, connecting to three DenselO application servers running the Node.js, Express and Angular frameworks
- An NGINX server handling http-https redirects
- Three Mongo database servers on DenselO bare metal instances, each with 36 OCPUs, 512 GB of RAM, 28.8 TB of dedicated local NVMe SSD storage, and three more DenselO servers running mongos and configuration for the database
- Linkd's email archiving server running on an Oracle Cloud Infrastructure Compute bare metal instance, with several terabytes of block storage
- Linkd support system is deployed on a Standard VM compute instance

Linkd's technology stack offers flexibility to serve its' customers as they grow to meet evolving market requirements.



"The speed of deployment of servers was ridiculously fast – faster than anything else I've seen – and I've tried all the major cloud providers as well as some smaller ones. When things go wrong – and sometimes they do – you need to take action quickly and deploy new resources. It can take 2 days to deploy a new bare metal server with some providers. I've done it in 2 minutes with Oracle."

- **Todd Robertti,**
CTO and Founder

WHY ORACLE?

- 6x file read and write operations per second of the three competing, tested clouds
- 6x read and write throughput of other clouds
- Best price-performance for Linkd's mission-critical SaaS application
- Fast deployment

PROFILE

- SaaS for AEC industry
- North America

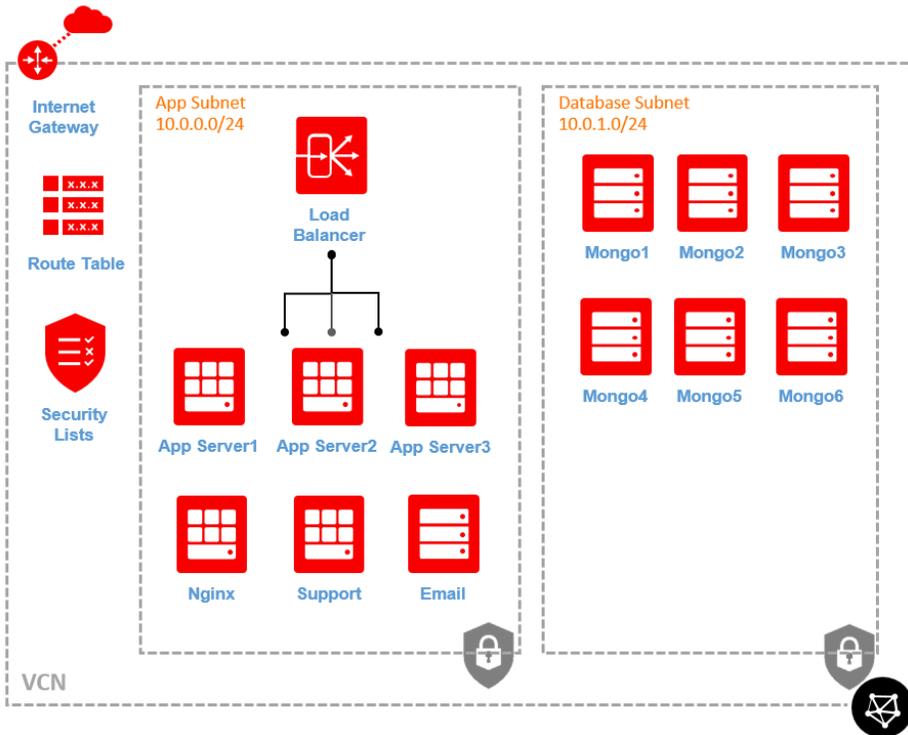
SOLUTION

- Oracle Cloud Infrastructure bare metal Dense IO instances
- Oracle Cloud Infrastructure Compute virtual machines
- Oracle Cloud Infrastructure Block Volumes and Object Storage
- Oracle Cloud Infrastructure Load Balancing

Performance and IOPS at a reasonable cost

Performance – at a reasonable cost – was an important factor in Linkd’s choice of cloud infrastructure. Oracle delivered the performance Linkd needed in several ways:

“Other IASS providers have the IOPS shared between clients using the same drive. With Oracle, we get the whole drive as attached NVMe, and all the IOPS, with no incremental charges for reserved IOPS. During our testing, we saw situations where Oracle had faster connections to competing cloud provider data centers, sometimes faster than those companies had between their own data centers. We will continue to spread our impact across America with OCI and cloud implemented in our system.” said Todd Robertti, CTO and Founder.



About Linkd

Linkd is the only platform specifically designed for collaboration between all trades. Whether in the field or in the office, Linkd offers commercial construction professionals a cost-effective solution for small, medium and large organizations. With over 150 years of combined experience in the AEC industry, Linkd addresses what McKinsey Global Institute (MGI) has identified as a \$1.6 Trillion opportunity in productivity. An estimated 10% increase in productivity results in 1% increase in net profit per commercial construction project. See how Linkd can help increase productivity while maintaining all DOC safety standards.

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