TANGO
Cloud Fact Sheet

TANGO CLOUD

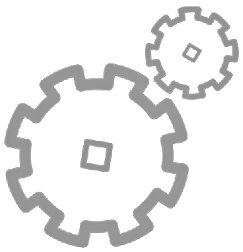
A cloud solution that can handle it.

The new TANGO Cloud is part of a specialised hardware cluster built using a combination of Dell EMC and VMWare hardware and software technologies to deliver a hybrid Cloud platform.

This platform consists of core technologies that allows easy and fast expansion for the delivery of high performance cloud solutions.

It has the added capability of bursting to other cloud providers thus being flexible and capable to take on various resource and workload demands.

About TANGO Cloud



Tango Cloud VMware vRealize cluster was built using:

- Dell PE R730xd Servers connected via Dell Z9100-ON 100GbE Software Defined Network switches
- Purpose-built for applications in high-performance data centre and computing environments

The easily scalable cluster consists of:

- Intel Xeon E5 cores
- 1:13 Core to RAM ratio
- The R730/xd nodes each have 6.4TB of local SSD and 48TB NLSAS storage providing vSAN Software Defined Storage for Cloud and HPC, with each node being capable of 20,000 IOPS

Key Benefits

- Software Defined Network with dynamic configuration to support scalable computing and storage needs of high performance data centre and computing environments. It has a single configuration point, providing more granular security capability which is very beneficial when it comes to Cloud computing e.g. ability to configure private networks between host, applications and mobile devices.
- Hyper Converged high performance Software Defined Storage network, easily scalable both capacity and performance wise, servicing both Tango HPC and Tango Cloud.
- Highly available cloud platform offering self service provisioning of Linux and Microsoft system images and applications with backup as a service.

System Specifications

Hardware	Specification
Dell PE R730xd	• Intel® Xeon® Processor E5-2680 v4 35M Cache 2.40 GHz • 32GB RDIMM 2400MT/s DDR4 SDRAM • 1.6TB SSD 6Gbps, 6TB 7.2K RPM NLSAS • Mellanox ConnectX-4 Dual Port 25GbE DA/SFP

Let's get you started.

Talk to us to find a custom solution to suit your needs. Contact the eRSA Team on 08 7228 6210 (9am - 5pm AEST) via email admin@ersa.edu.au or visit our website www.ersa.edu.au/contact.

"eRSA have always supported researchers like me and I look forward to seeing the functionality TANGO brings."

DAVID BLOCKOW,
Solutions Architect
Data to Decisions CRC

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