

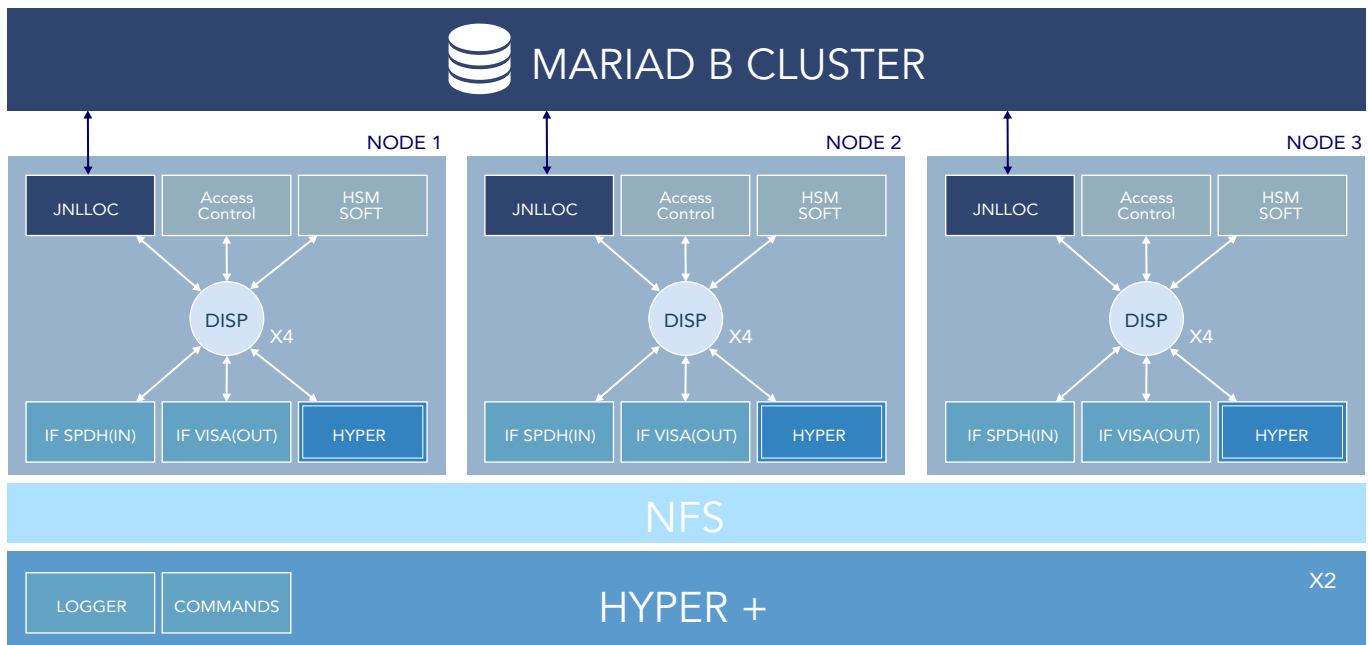


As consumers continually push for better, faster, and more accessible products from our clients, Lusis Payments is dedicated to providing the best technology solutions in the payments industry. The following is a brief showcase of our recent Proof of Concept benchmark on TANGO; our online transaction processing engine for mission-critical 24x7 payments. TANGO is built on a highly performing micro-service architecture providing agility for your business needs.

The proof of concept was performed to showcase the TANGO architecture performance in a cloud environment. The requirements of the POC:

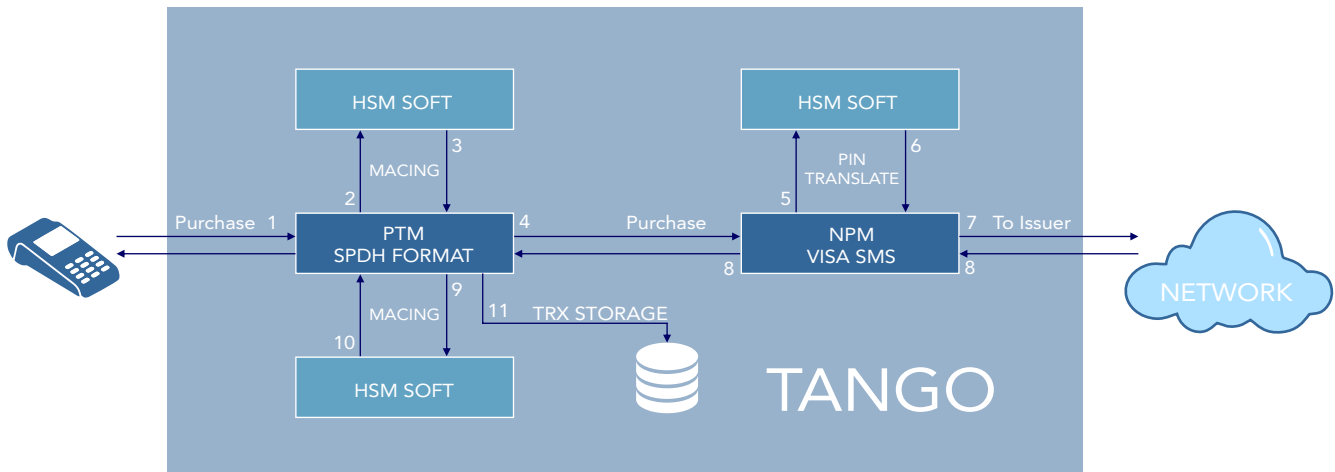
- A resource manager that can monitor and send commands to any node in the cloud.
- LOG is centralized.
- Libraries and configuration is stored on a single location.
- Support X\*10,000 TPS with a constant response time.

### Benchmark: Cloud Objective



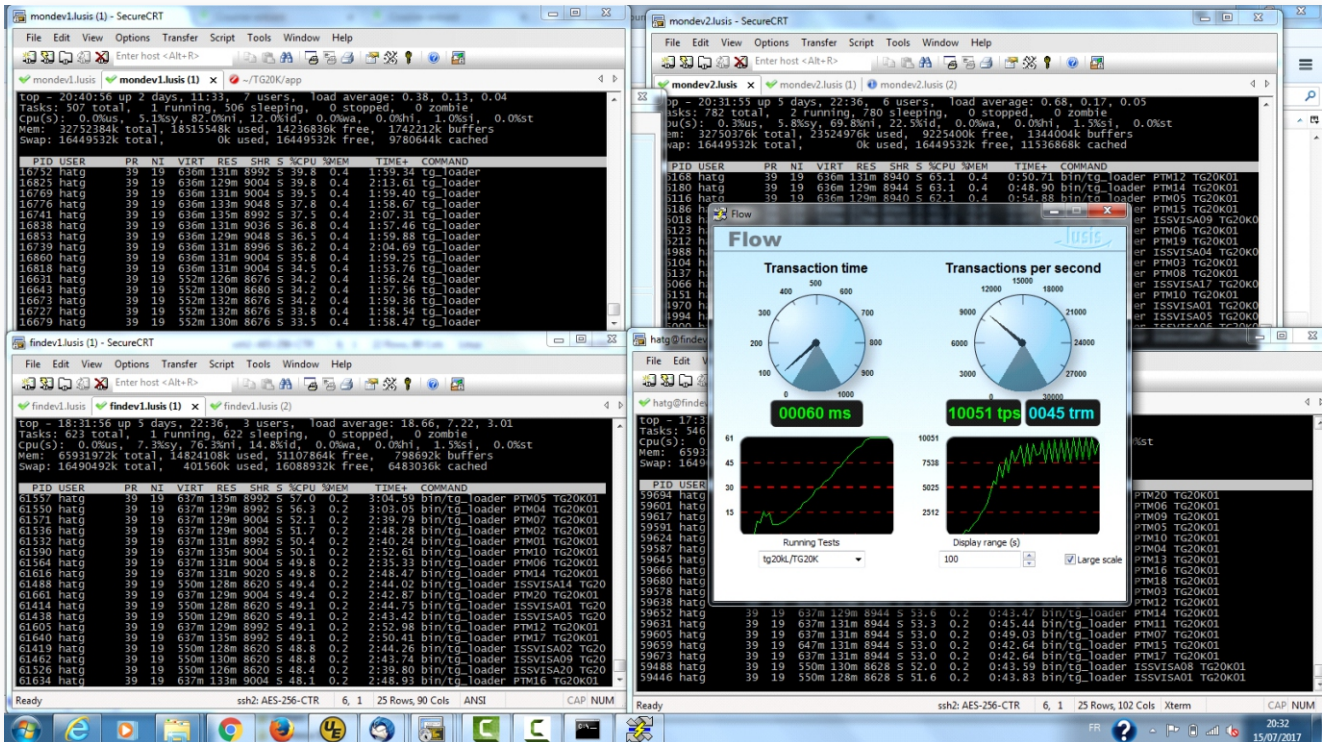
\*Technical environment is Linux/MySQL

## Benchmark: Business Case



In this business case scenario we first simulate POS purchase transaction in TANGO. The message is then reformatted and sent out to the VISA simulator for authorization. On the reply we reformat the message to send to the POS device followed by a log to the database.

## Benchmark: Private Cloud - 4 PCs | 2 CPU | 10,000 TPS



Lulus successfully completed the first step by demonstrating how well TANGO's architecture worked in a cloud environment. The benchmark test above shows TANGO exceeding the 10,000 TPS mark with a constant response time.

First step: Work in a private cloud environment.

- 4 Nodes
- Support 10,000 TPS with a constant response time.

In our next POC we will show TANGO exceeding the 20,000 TPS mark in a standard cloud environment and step three will be run in an HPE NonStop Cloud environment.

Second step: Run in a standard cloud environment.

- Support 20,000 TPS with a constant response time.

Third step: Run in a NonStop cloud.

- Support 20,000 TPS with a constant response time.

## TANGO Features at a Glance

- Uses industry-standard C++ and XML
- Supports industry-standard messaging specifications, such as XML, JSON, ISO 8583 and ISO 20022
- Provides a state-of-the-art, modular, object-oriented system
- Operates independently of operating systems and databases
- Offers a multichannel, multi-institution, multi-language and multi-currency solution
- Provides high performance and high availability
- Allows a flexible implementation
- Offers complete transaction security support (EMV, 3DES)
- Increased flexibility improves on delivering value to retail payments

## About Lusion Payments

Lusion Payments is an innovative global software and services provider to the payments industry. Our proven, cutting-edge technology operates in numerous hardware and operating environments. The TANGO platform is an online transaction processing engine for mission-critical 24x7 solutions including payments, retail, loyalty, finance, utilities, and transport. TANGO delivers performance, availability, and scalability, with a rich set of functionalities, all from a single application, a single code set and a single architecture. TANGO is built on a highly performing micro-service architecture providing agility for your business needs.



### France:

5 Cite Rougemont  
75009 Paris  
France  
(+33) 1 55 33 09 00

### United States:

315 Montgomery St  
#900  
San Francisco CA 94104  
(+1) 415 829 4577

### UK:

1 Northumberland Ave  
Trafalgar Square  
London, WC2N 5BW  
(+44) 207 868 5288

### Luxembourg:

321 Route d'Arlon  
L-8011 Strassen  
Luxembourg  
(+352) 31 35 02-1