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*
Lusis 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 Lusis Payments
Lusis 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.