

# LAB AS A SERVICE

SIMPLIFY TELCO TRANSFORMATION,  
MAXIMISE THROUGHPUT AND MINIMISE  
EQUIPMENT INVENTORY

THINK.  
TRANSFORM.

As Communication Service Providers (CSPs) adapt to the digital world, they need to design, program and iterate their operating model. Cloud deployments, virtualisation (SDN/NFV) and software as a service options provide the much needed flexibility for service delivery, and support CSPs as they extend their ecosystems into the app economy. However, to augment transformation CSPs need to speed up virtualisation, automation and leverage simulated environment that is Future Ready for SDN/NFV and minimise errors and reworks to meet the user requirement.

Tata Communications Transformation Services (TCTS) Lab-as-a-service (LaaS) accelerates transformation by enabling Virtual Labs with full automation capabilities for test setup, build up and test execution across the physical lab infrastructure, network equipment & tools. LaaS allows optimum utilisation of resources, manage existing virtual labs, create scripts for designing and executing test cases, and test virtualised SDN/NFV enabled network along with legacy networks.

Gain control of your transformation journey and simplify and automate the usage of virtual and physical resources with TCTS' LaaS.

**Think. Transform.** Get ahead of the competition. Your world-class virtualisation journey begins with TCTS.

## SIMPLIFYING TRANSFORMATION



### LAB MANAGEMENT

Management of the **existing labs**. Better and efficient utilisation of the resources. Dashboards and analytics for the same



### LAB INFRASTRUCTURE

Providing lab infrastructure for testing as well as library of test cases and skilled resources

**Labs:** IP MPLS, Tx, Wireless, SDN/NFV, Media, Security



### TEST CASES LIBRARY

Library for standard test cases for various IP, Tx technologies



### LIVE NETWORK TESTING

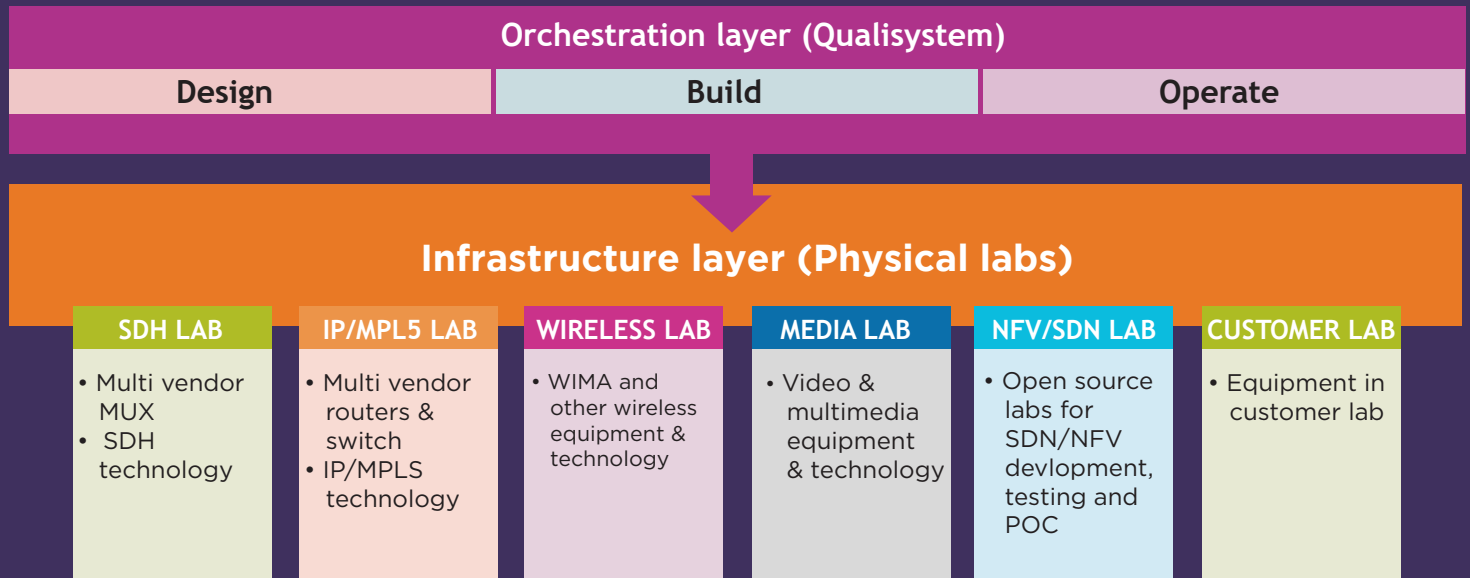
Simulation of live network in the environment. Validating changes before implementing in the live network



### SDN/NFV CERTIFICATION

Test cases for testing SDN/NFV networks. Interoperability testing for SDN/NFV enabled devices with the legacy network elements

## UNIFIED LAB ARCHITECTURE



## KEY BENEFITS

### Simplicity

- Web portal makes it easy for users to locate the environment needed and plan for already reserved
- Setting up a virtual environment is as easy as reserving it with configuration being saved in the central data base

### Time saving

- Automated test environment configuration helps reduce the time to build the test setup
- Provides online view of the Lab with full visibility of the equipment and service status along with system under test
- Automated tear down of the previous configuration with new default setup or new configuration

### Accuracy

- Integrated with many makes/models of layer 1 switches to ensure engineers can cable remotely and accurately
- Configuration management and setup is made simple for users using a point and click interface regardless of device type and complexity of operation

### Cost tracking

- Lab operational costs can be tracked by a customisable 24x7x365 dashboard
- Tests can be automated and invoked from either the scheduler or directly from the reservation

## What makes TCTS unique?

- Service distinction with multi-technology, multi-vendor expertise
- Proven skills in seamless service delivery across multiple geographies and telecom operators
- Recognised processes and automation solutions in network transformation services, continuously increasing value proposition derived from the product
- Large pool of best-in-class technical experts to develop futuristic solutions in network management services
- Customised solution design meeting customer business objectives
- End-to-end customer support and user training as part of solution deployment

