



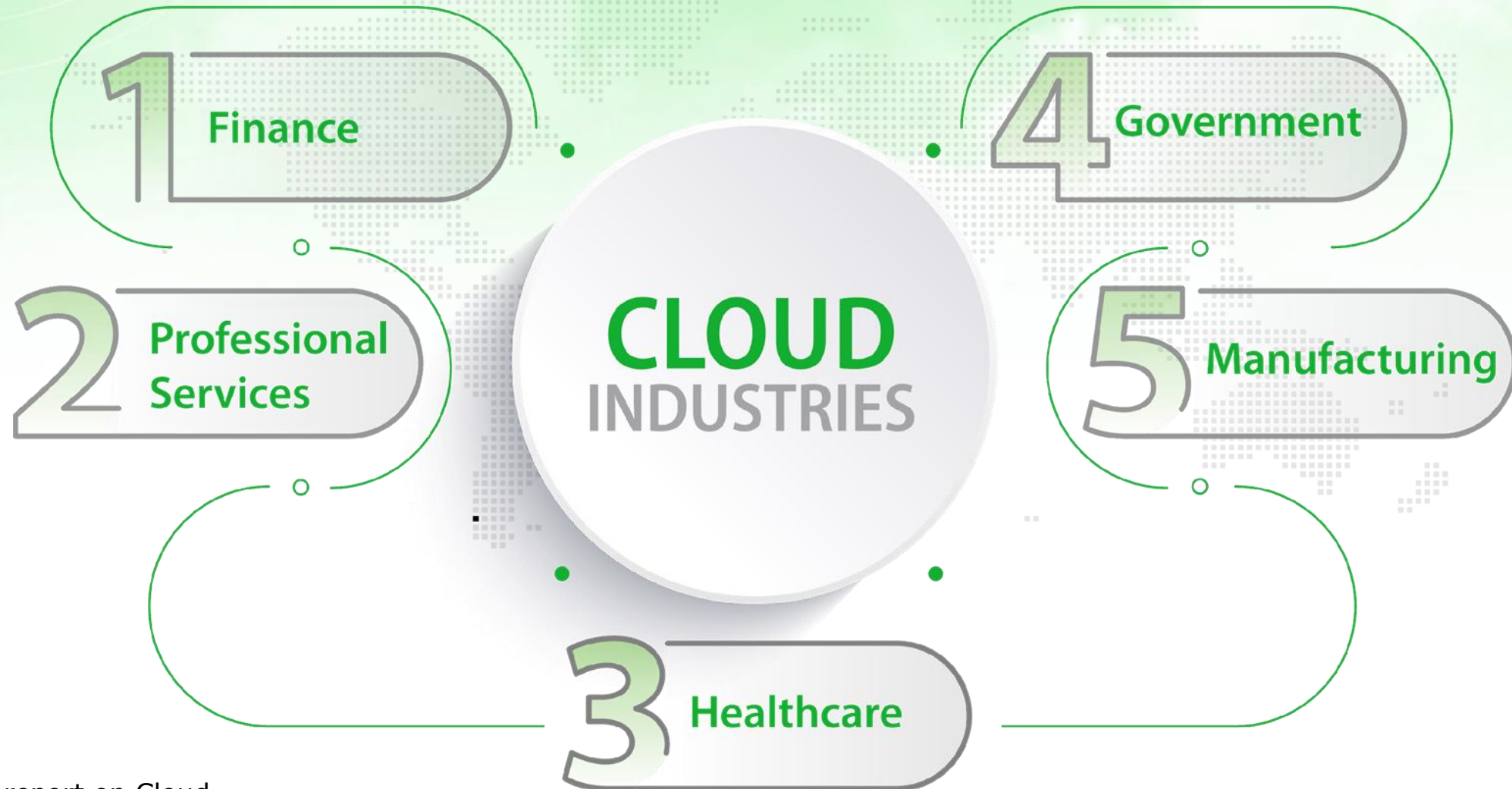
# Cloud Services

**Darryl Duke**

General Manager Enterprise Services (Ag.)

*Telecommunications Services  
of Trinidad and Tobago*

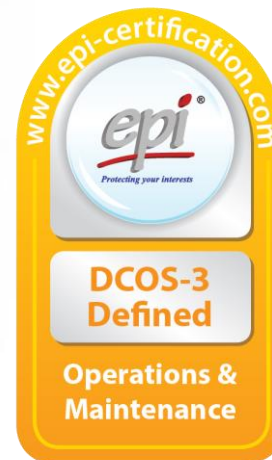
# Top 5 Global Industries investing in Cloud



As per IDC report on Cloud Industry Path June 2019

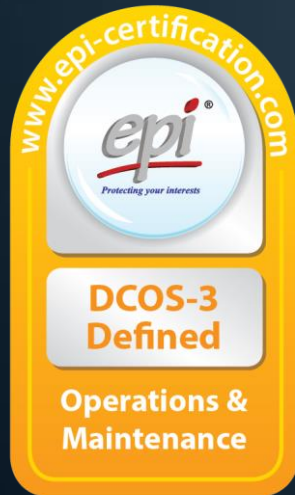
# TSTT's Data Center & Cloud Services

- TIA-942-B Accredited
- SOC II Type 1
- Concurrently Maintainable
- Data Center Uptime -100% over the last 10 years
- Cloud Uptime – 100% since launch in Dec 2018





# Cloud Reliability & TSTT's Promise



# Cloud *High Availability*

## Resiliency

Hypervisors allow for self healing by offering automatic migration of workloads from less favourable infrastructure to more suitable ones

2

## Availability

Availability is achieved through all previously stated features. Availability of the Cloud is what *enables* reliability

4

1

## Redundancy

Clouds are built with a high level of redundant paths to each component even across Geographic locations

3

## Reliable Infrastructure

It's also important to note the Facilities and Infrastructure hosting the cloud which also allows for reliable and optimal equipment operation

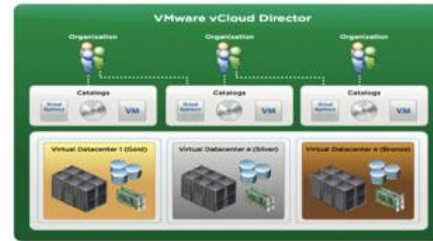
**A peek inside...**

# TSTT's Suite of Cloud Services

## Co-location



## Infrastructure as a Service



## Hosted PBX



## Disaster Recovery as a Service



## Backup as a Service



## Software as a Service





# Cloud Data and Storage

Global distribution with Cloud Bigtable  
sample deployment with 4 clusters

- Cloud services allow users to store their data across multiple platforms in diverse geographical locations.
- In the case of TSTT, our Data is stored across multiple local data centers. Given that our cloud is VMware verified, we have the facility to replicate our data to any other VMware node in any geographical location.

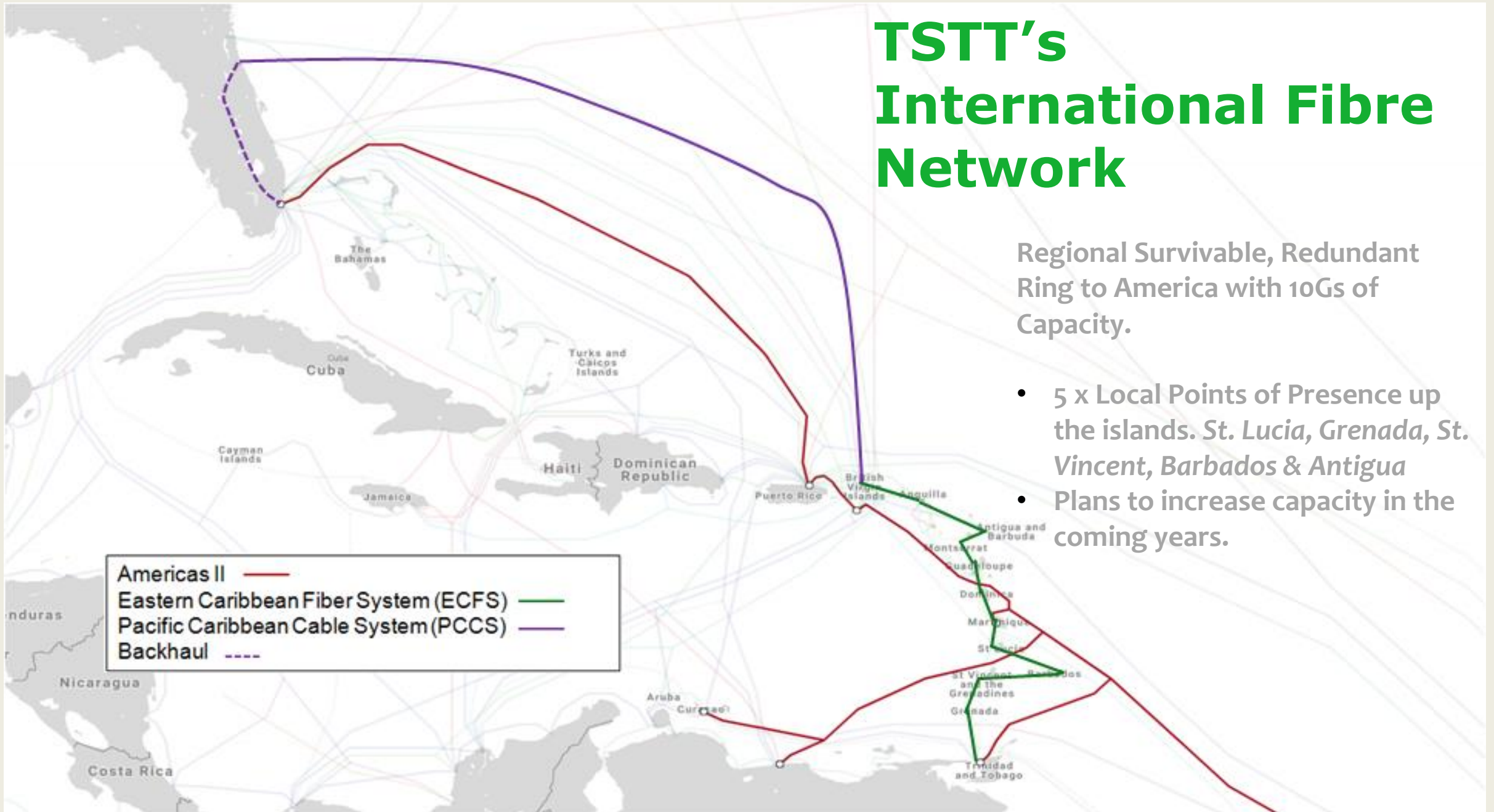




# TSTT's International Fibre Network

Regional Survivable, Redundant Ring to America with 10Gs of Capacity.

- 5 x Local Points of Presence up the islands. *St. Lucia, Grenada, St. Vincent, Barbados & Antigua*
- Plans to increase capacity in the coming years.



# Business Benefits of Cloud Computing

## Cost

Probably the most important benefit, using remote servers removes the need for in-house storage equipment and application requirements, as well as overhead costs such as software updates, management and data storage.

## Availability

Cloud hosting removes the possibility of server failure causing downtime. A cloud environment is engineered to deliver predictable and consistent performance with guaranteed 100% uptime.



## Flexibility

Remote cloud servers offer almost unlimited bandwidth and storage space which allows businesses to instantly scale t up and down their capacities to support growth and cope when website traffic increases.

## Business Continuity

By investing in cloud computing, businesses can guarantee reliable disaster recovery and backup solutions without the hassle of setting them up on a physical device.

Thank you

**JUST **b**elieve**

Every shot counts.  
**#vaccin868**

exeQtech  
**Jonathan Paty,**  
Director,  
Exeqtech Limited

**b** mobile  
BUSINESS

**JUST **b**elieve**

Every shot counts.  
**#vaccin868**

foodlingo  
**Debra Sardinha**  
Chef Owner  
[www.foodlingobcd.com](http://www.foodlingobcd.com)

**b** mobile  
BUSINESS

**JUST **b**elieve**

Every shot counts.  
**#vaccin868**

CAESAR'S  
**ARMY**  
**Jules Sobion aka Julius CZAR,**  
Commander-In-Chief/CEO  
Caesar's Army

**b** mobile  
BUSINESS

**JUST **b**elieve**

Every shot counts.  
**#vaccin868**

**Stephanie Pemberton,**  
CEO & Founder,  
Planting Seeds Caribbean

**b** mobile  
BUSINESS