

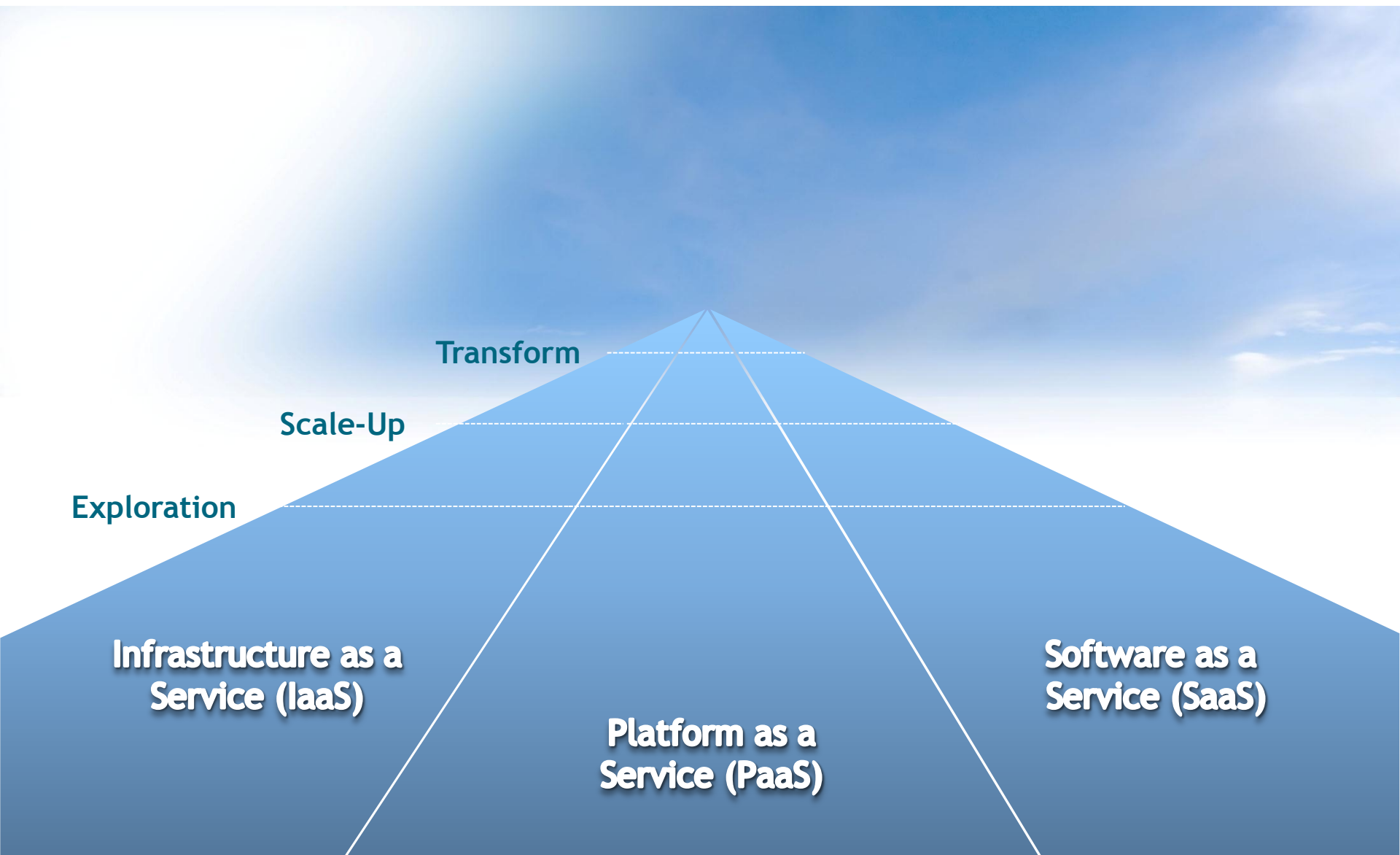


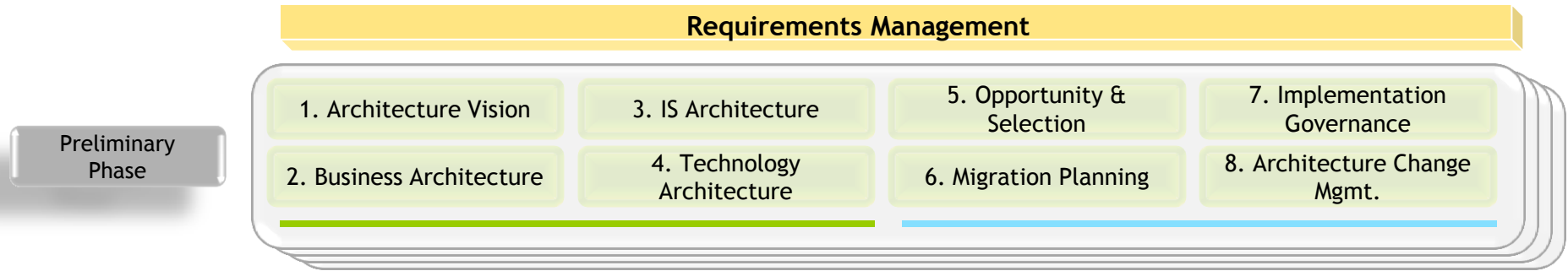
# Cloud for Business

- Bharati Lele

May 14, 2011







## PHASE 1



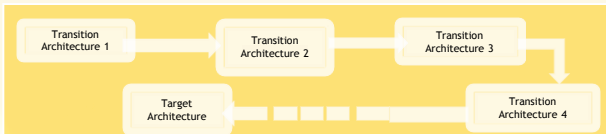
**Getting the feet wet**

**Business Drivers**

**Architecture Principles**

**Stakeholder Viewpoints**

**Architecture Decisions**



## PHASE 2



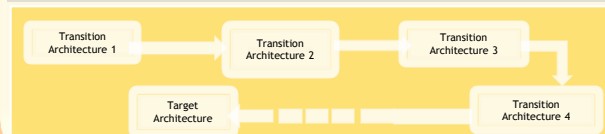
**Enterprise Scale**

**Business Drivers**

**Architecture Principles**

**Stakeholder Viewpoints**

**Architecture Decisions**



## PHASE 3



**Business Transformation**

**Business Drivers**

**Architecture Principles**

**Stakeholder Viewpoints**

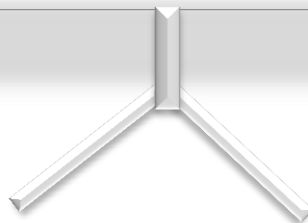
**Architecture Decisions**



②

**Phase 1**

- Increasing need for computing (HW/SW) resources on temporary basis
- Time taken for provisioning of new HW/SW is not keeping pace with business demand
- Redundant effort in software installation and tuning multiple copies of the same software
- Need greater discipline to regulate usage of resources e.g. License management, access to compute power





**Presentation  
Layer**

ElasticFox

**Operations  
enablement  
Services**



Monitoring

Metering

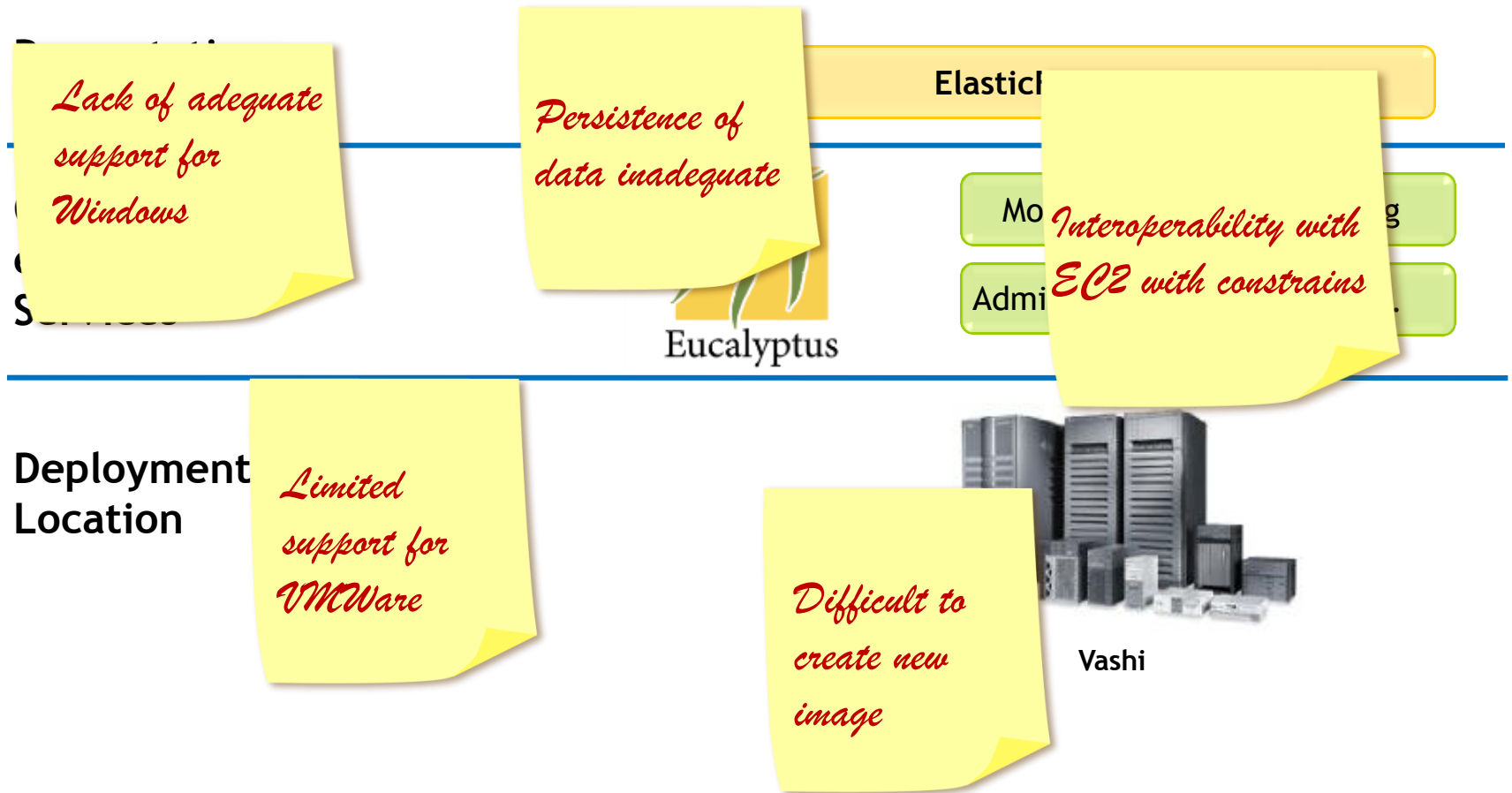
Administration

Others...

**Deployment  
Location**



Vashi





## Visualization



## Presentation Services

Navigation

## Operations enablement Services

Security

SmartGeo



Administration

Metering

## Abstraction and Orchestration



## Deployment Locations



Powai



Vashi





*Substantial improvement in end user experience*

*Able to support multiple locations*

*Architectural dependency on Open2RM identified as major risk*

Naviga

Op  
en  
Se

*Able to handle persistence of data*

*Easy to add new functionality*

Security

SmartGeo

Administration

Metering

Ab  
Orchestration



*Need additional functions for enterprise deployment*

Deployment Locations

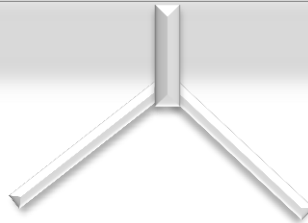
*Able to support all windows versions*



③

**Phase 2**

- Increasing need for computing (HW/SW) resources on temporary basis
  - Time taken for provisioning of new HW/SW is not keeping pace with business demand
  - Redundant effort in software installation and tuning multiple copies of the same software
  - Need greater discipline to regulate usage of resources e.g. License management, access to compute power
- 
- **Optimize Investment in Production Infrastructure**
  - **Build Reference Implementation to support client specific cloud infrastructure requirements**



## Visualization



## Presentation Services

Navigation

Personalization

Others.....

## Operations enablement Services

Workflow

Security

Metering

License Mgmt

Monitoring

Administration

SmartGeo

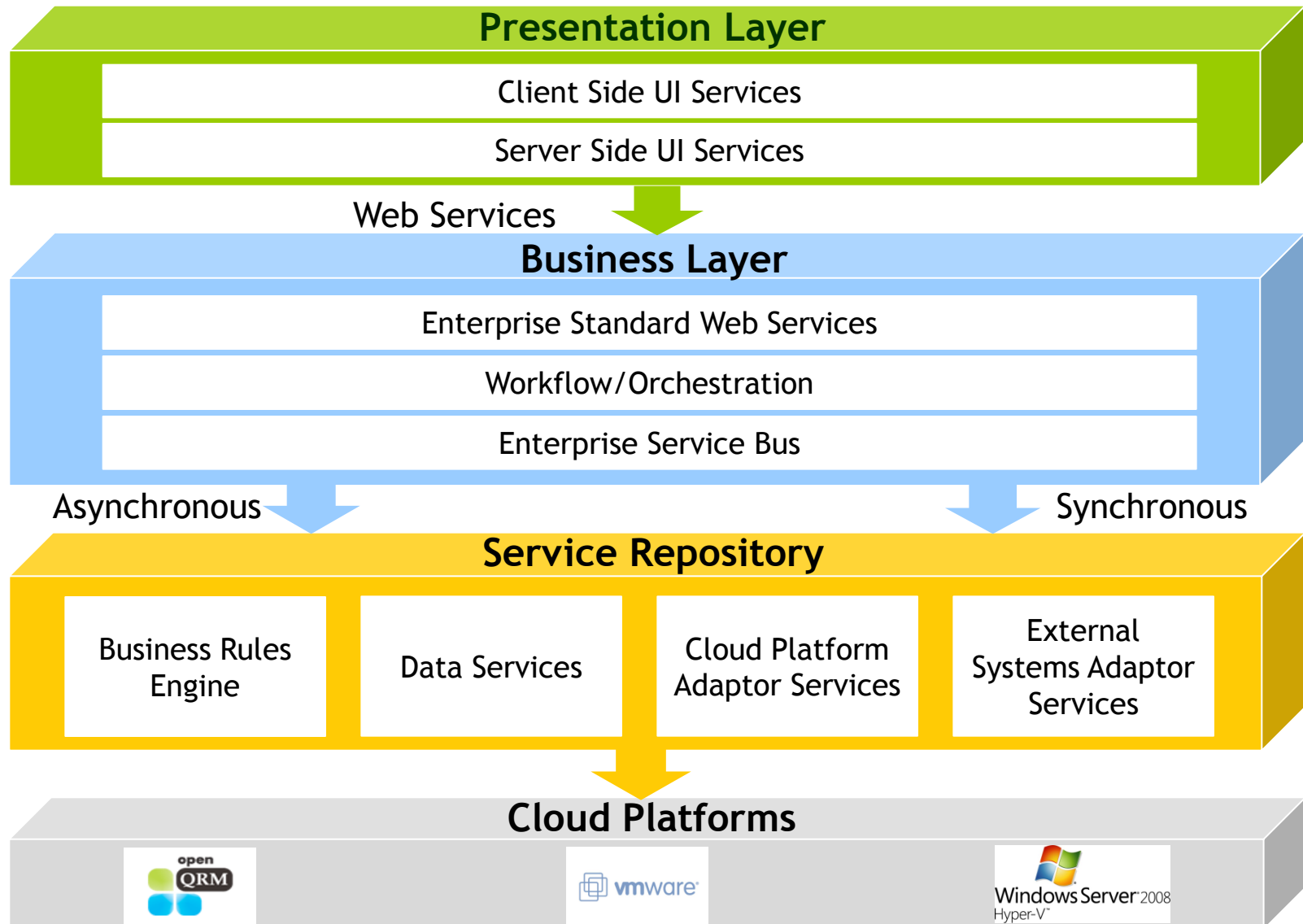
Others...

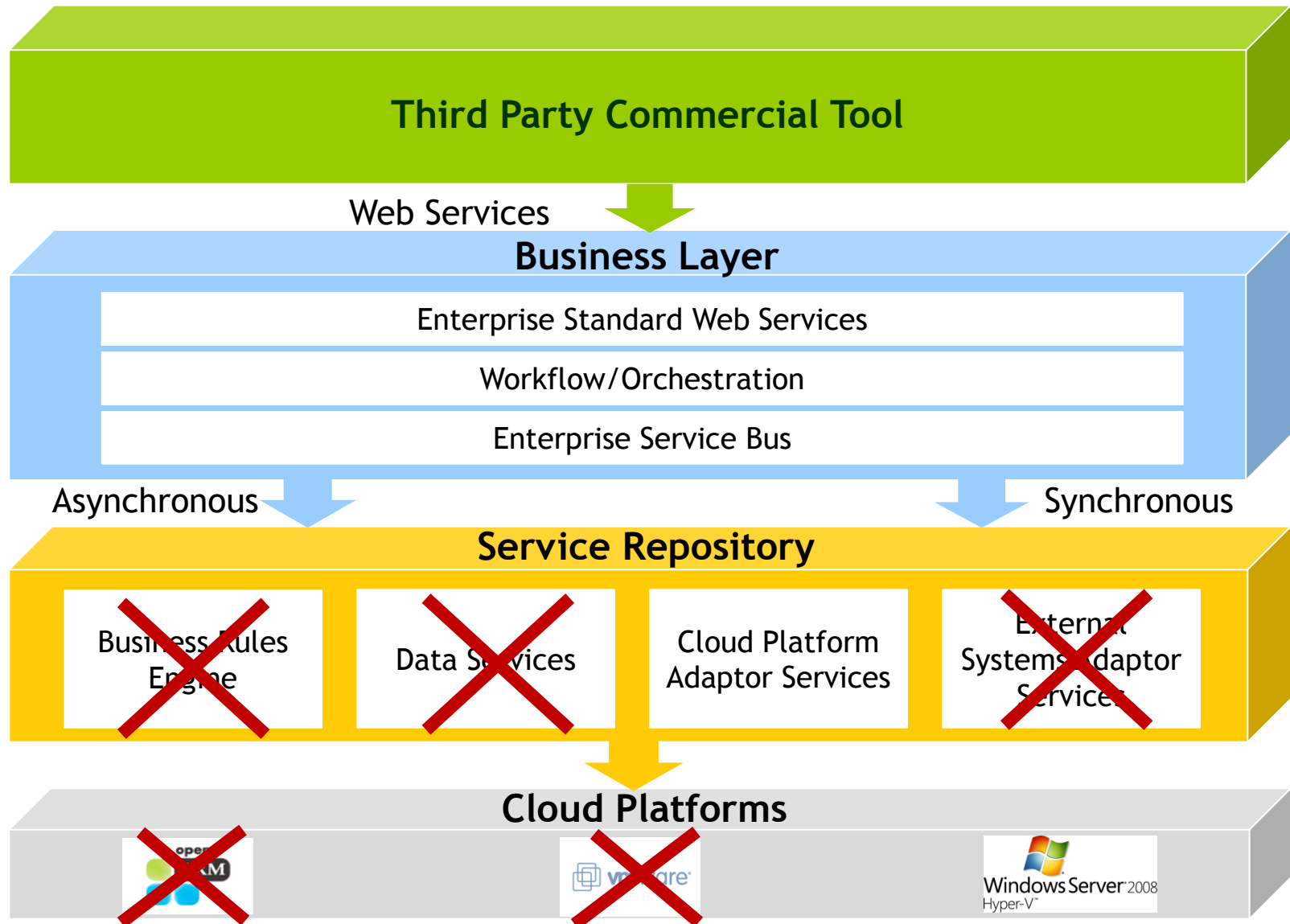
## Abstraction and Orchestration

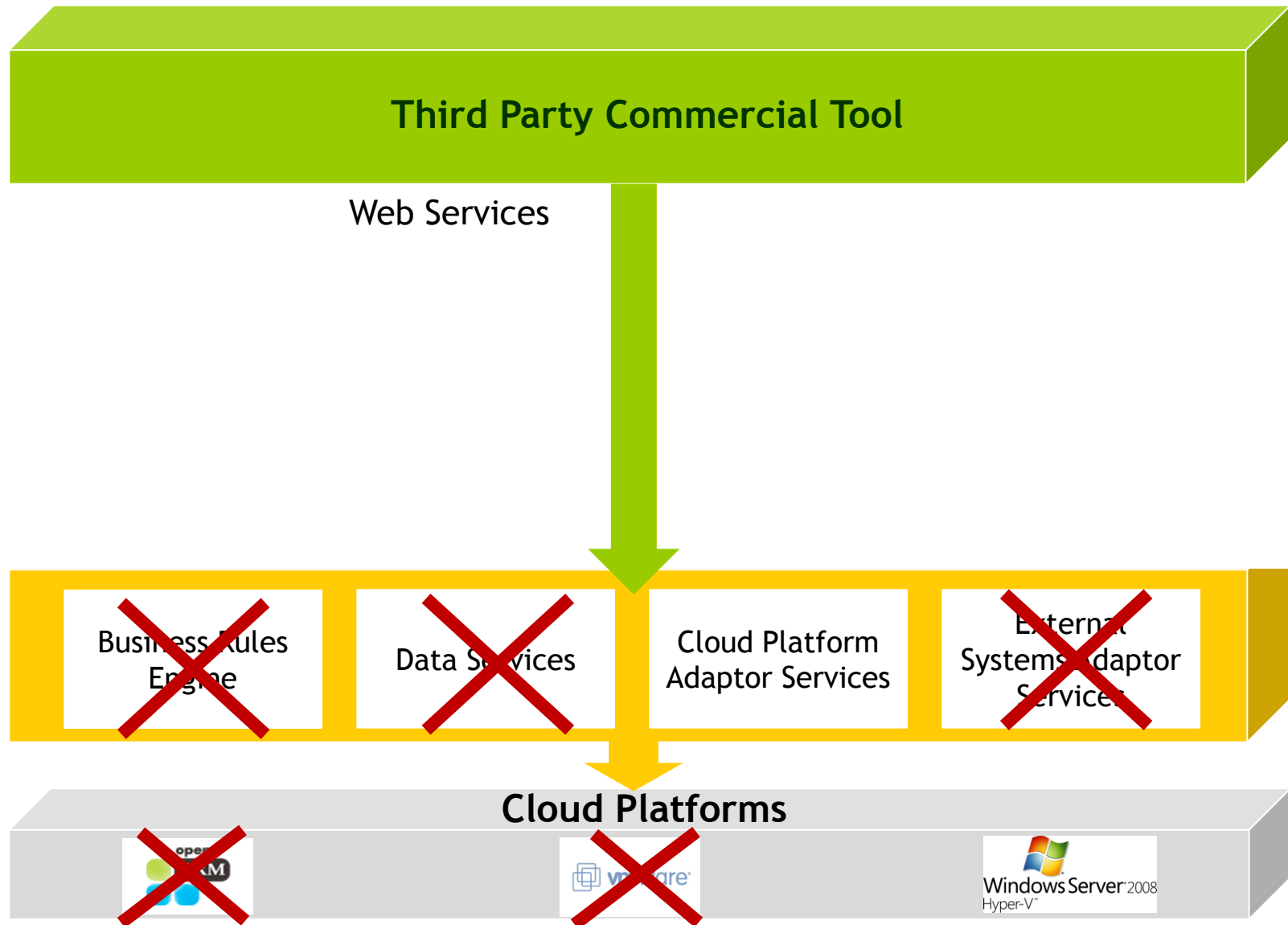


## Deployment Locations











## Visualization



## Presentation Services

Navigation

Personalization

Others.....

## Operations enablement Services

Workflow

Security

Metering

License Mgmt

Monitoring

Administration

SmartGeo

Others...

## Abstraction and Orchestration

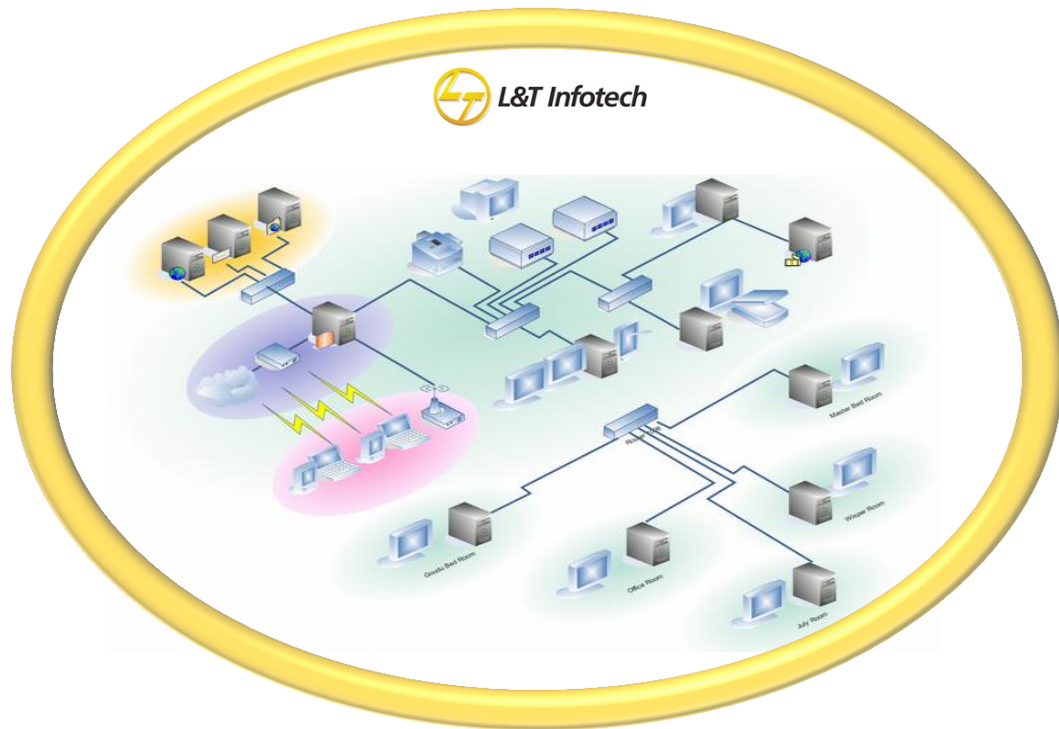


## Deployment Locations

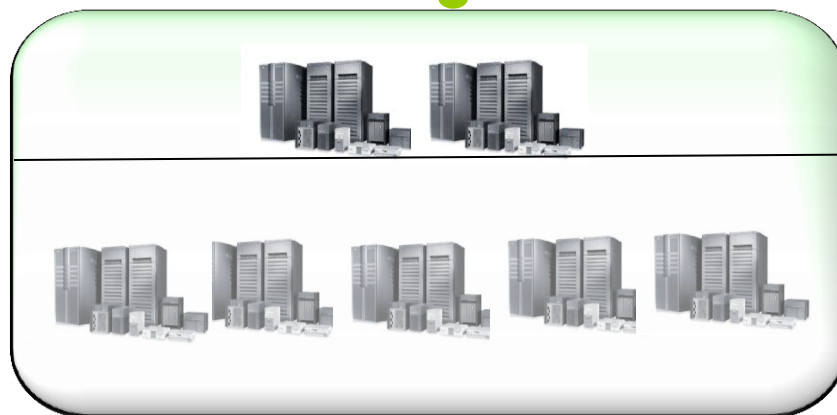
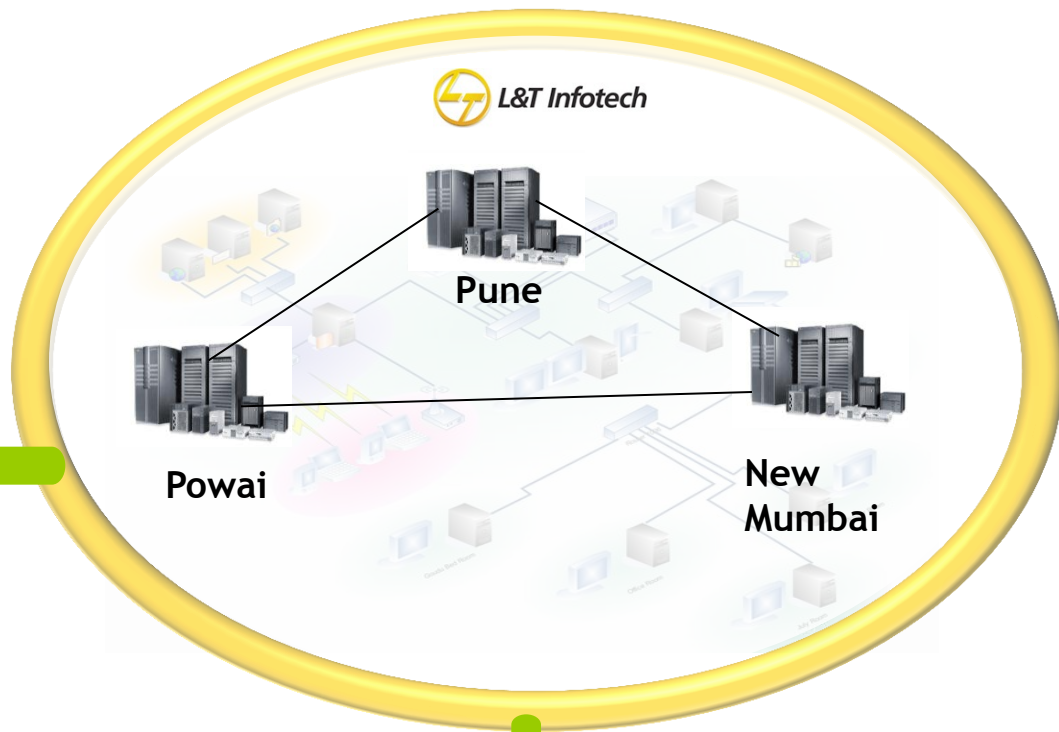
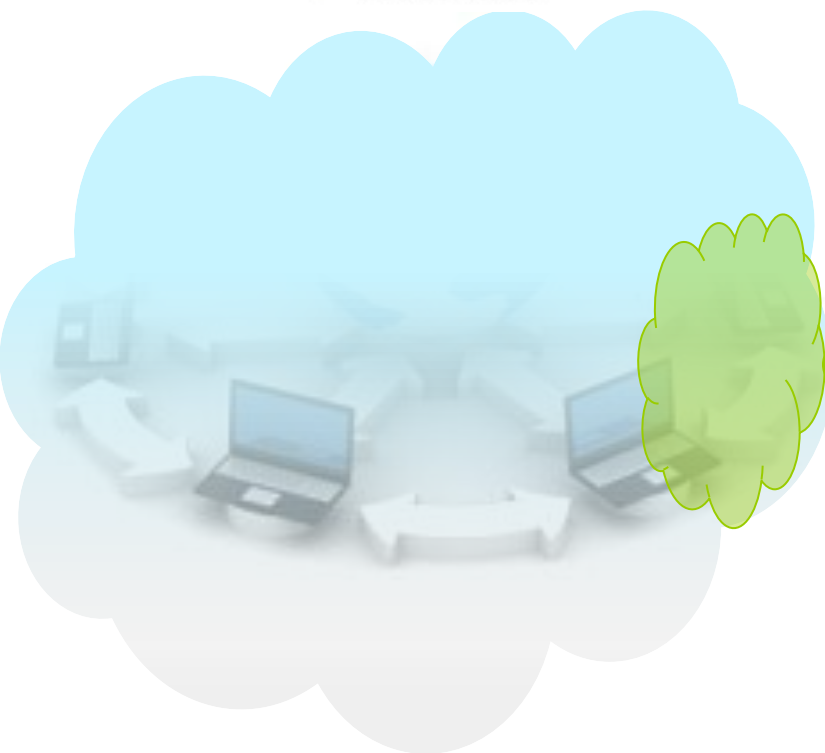




# L&T Infotech CloudX™ deployment infrastructure

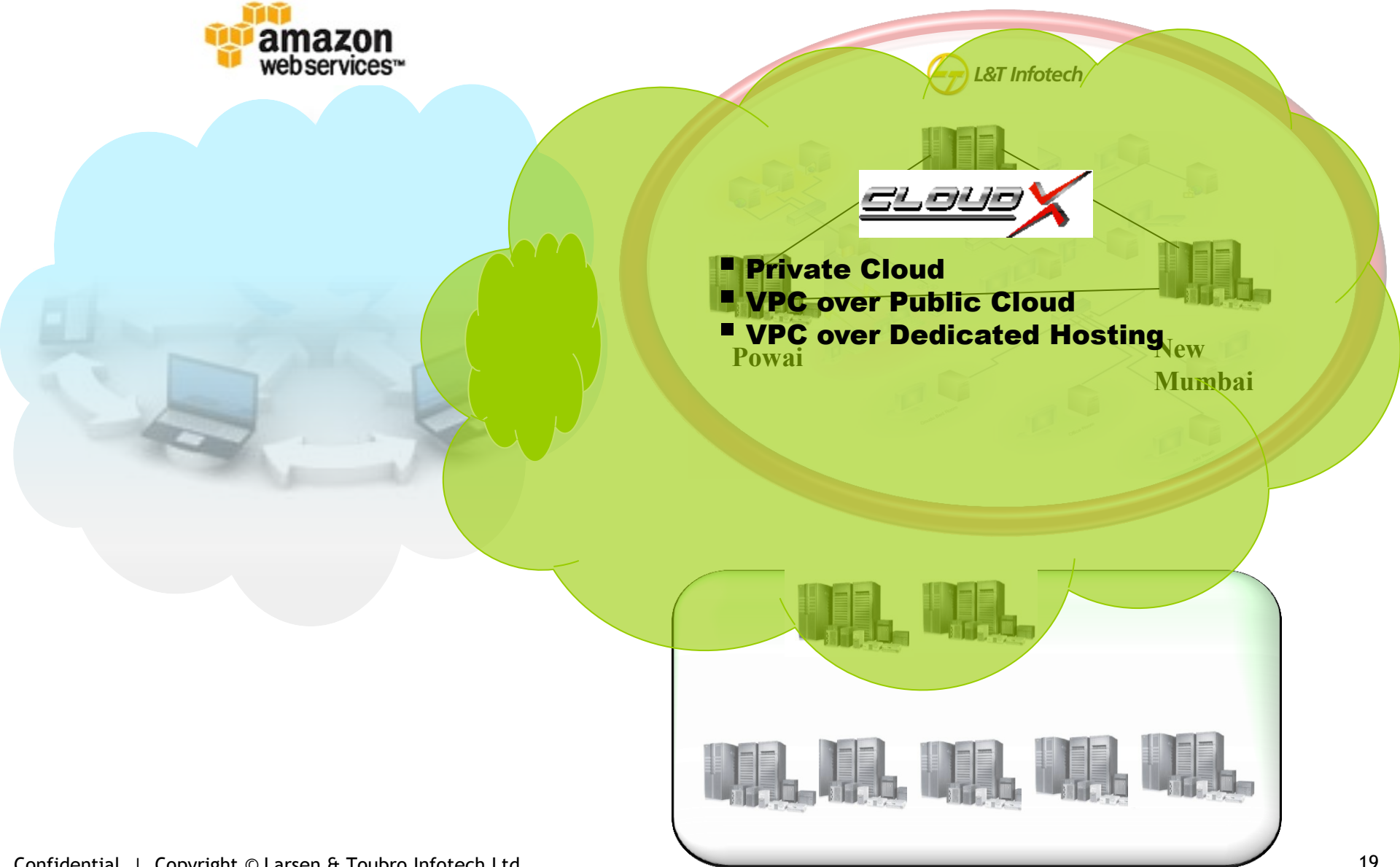



# L&T Infotech CloudX™ deployment infrastructure






# L&T Infotech CloudX™ deployment infrastructure



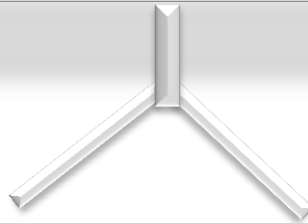
- 
- Cloud governance policies implemented through catalog of standard images, defined workflows, timely expiration of provisioned resources
  - Ability to delegate the administration of set of licenses to individual unit/location
  - Intelligently provisioning of computing resources depending on location, unit, position within the organization
  - Ability of end user to create new images based on standard images and submit to addition in standard catalog through formal approval process

- 
- Ability to delegate administration of fixed amount of computing units
  - Ability to delegate administration of licensing units
  - End user portal for accessing standard catalog for self provision and de-provision
  - Ability to reuse and monitor the running usage of provisioned units (ability to meter)
  - Ability to reuse and monitor use of licenses for the provisioned resources

④

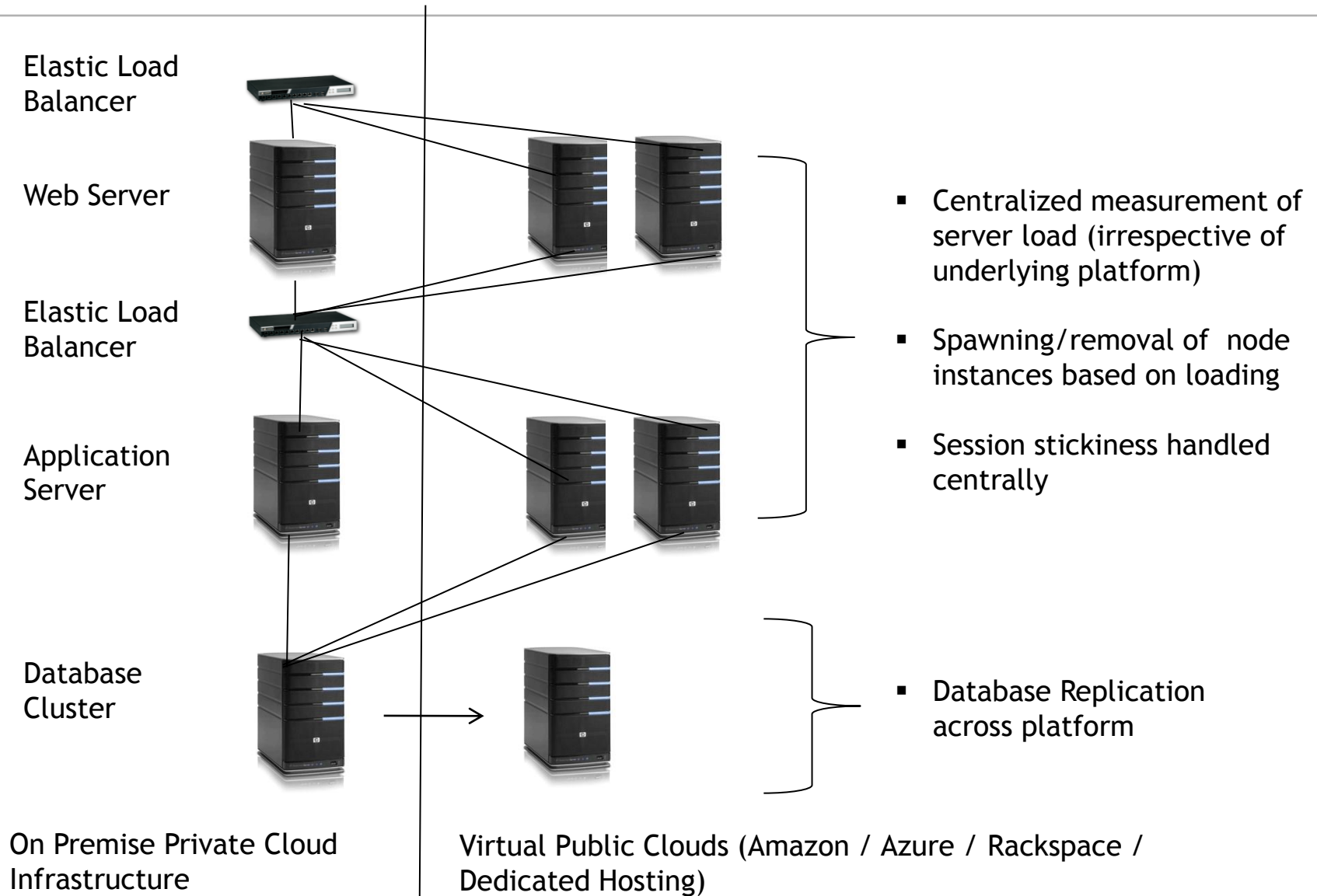
**Phase 3**

- Increasing need for computing (HW/SW) resources on temporary basis
  - Time taken for provisioning of new HW/SW is not keeping pace with business demand
  - Redundant effort in software installation and tuning multiple copies of the same software
  - Need greater discipline to regulate usage of resources e.g. License management, access to compute power
- 
- **Optimize Investment in Production Infrastructure**
  - **Build Reference Implementation to support client specific cloud infrastructure requirements**
- 
- **Ability to provision for deployment environment**
  - **Ability to provide consistent, simple and seamless view and services across multiple cloud platforms (all types)**





# L&T Infotech Deployment Architecture





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**PaaS**

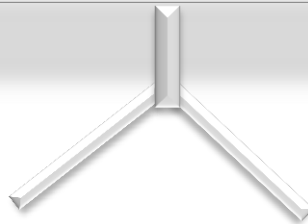


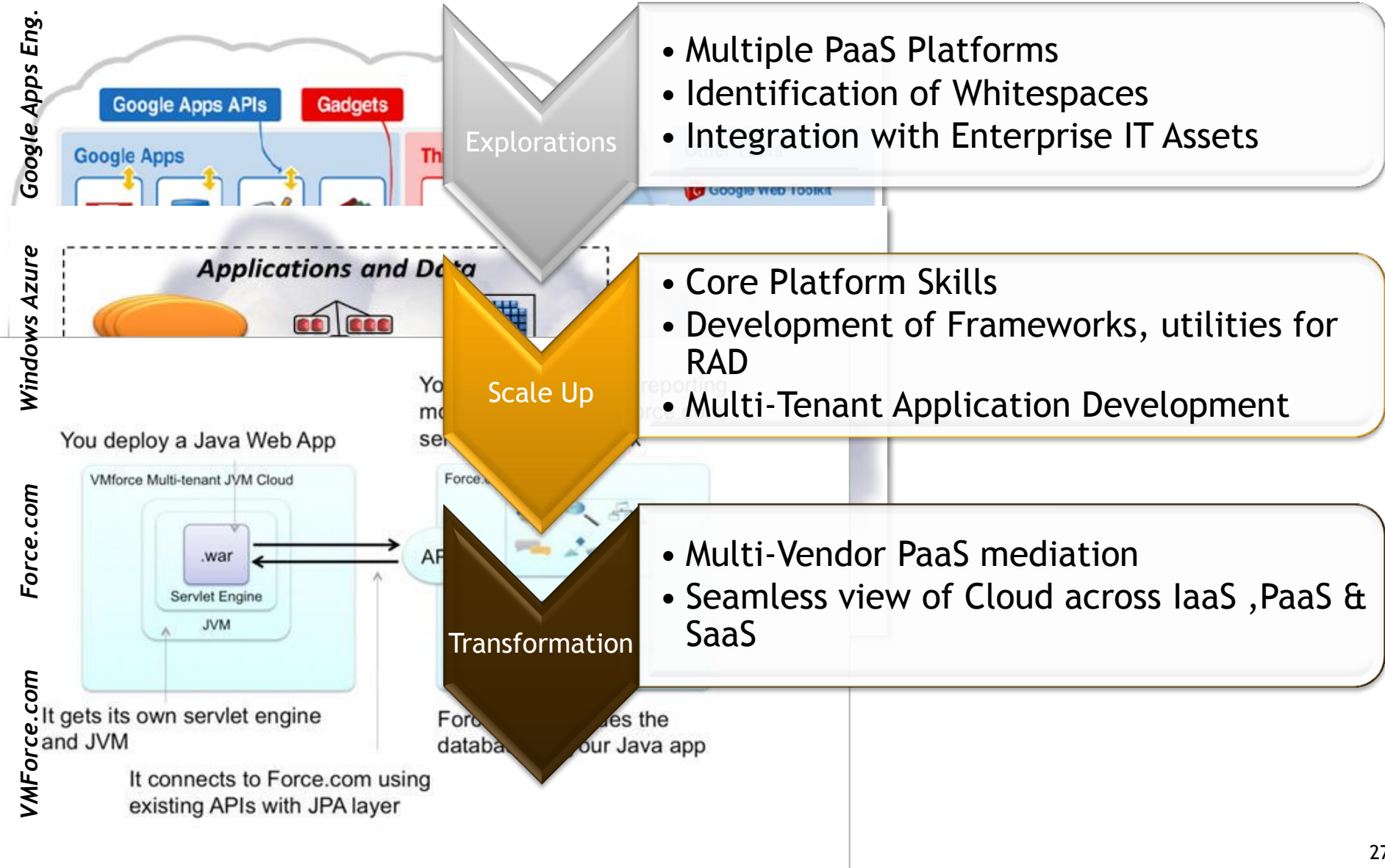
## Business Drivers

- De-focusing from Non-Functional IT Requirements
- Commoditize IT Assets
- Abstracting Multi-Tenancy

## Challenges

- Rapid application Development , Processes & Frameworks not mature enough





6

**SaaS**

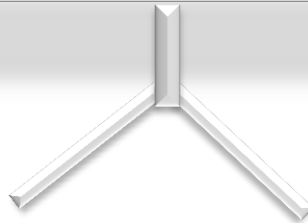


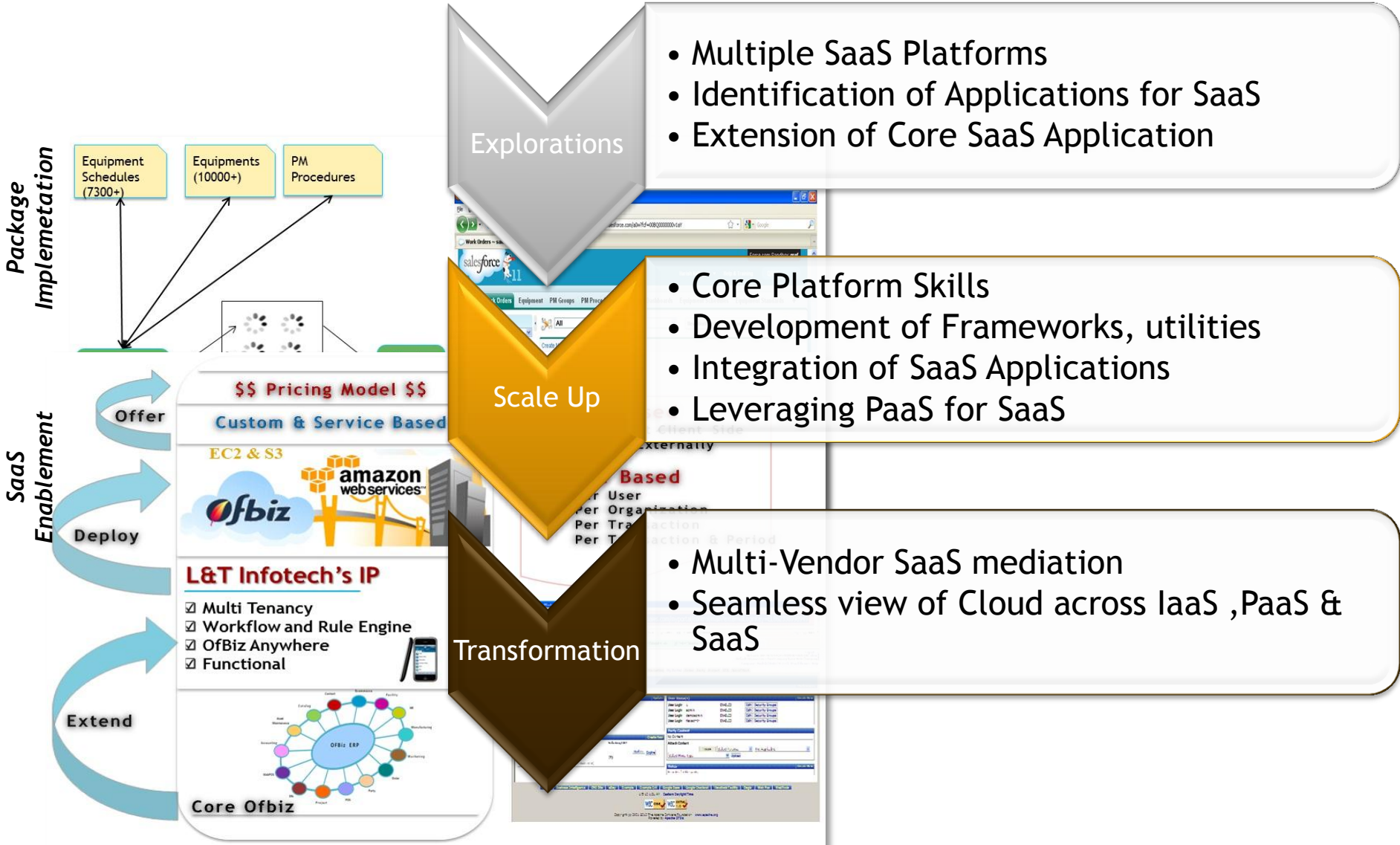
## **Business Drivers**

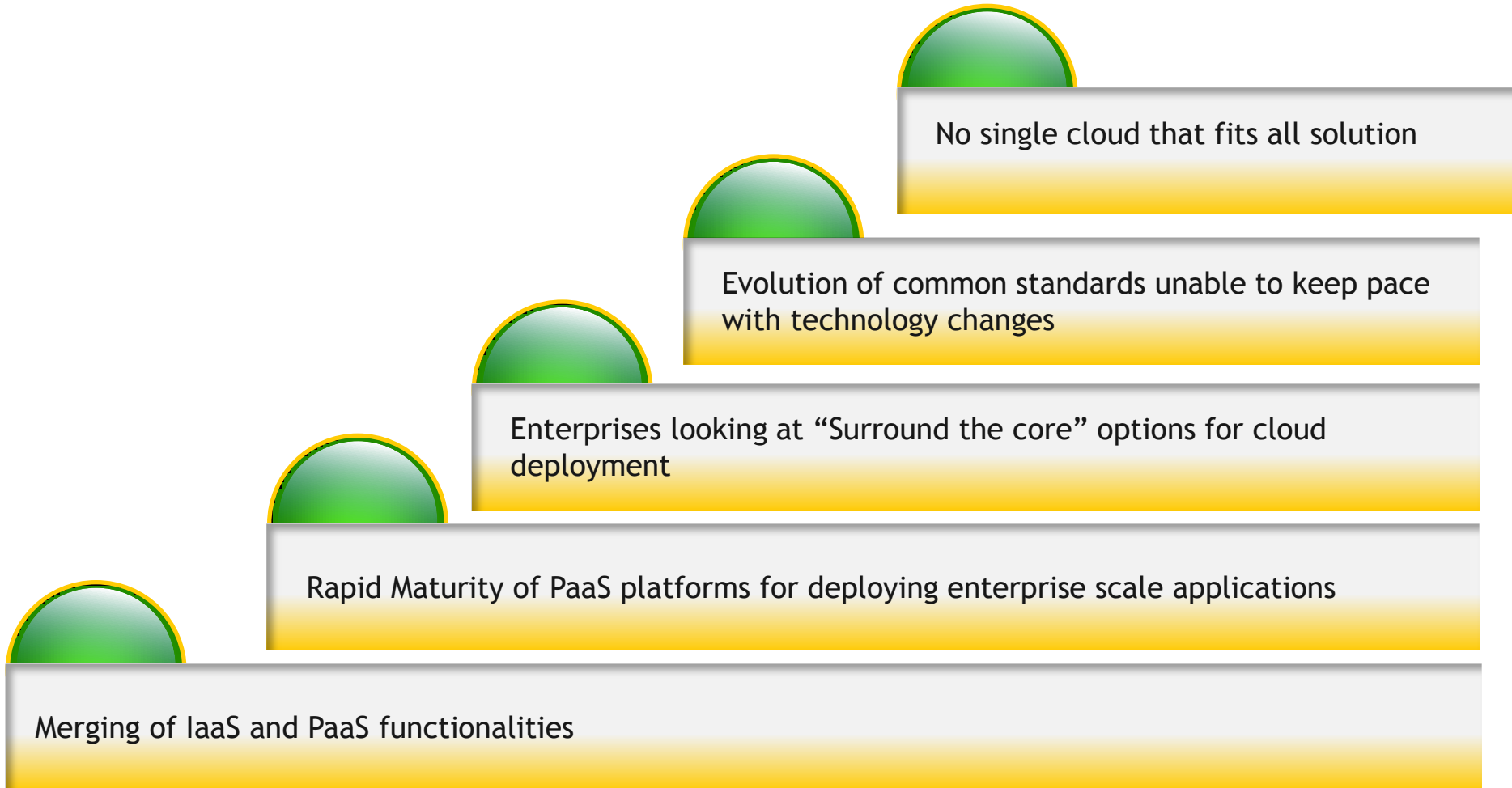
- Reduced Investments in IT Assets
- Quick Access - Zero Capital Investment
- Commoditization of non-differentiating IT Assets

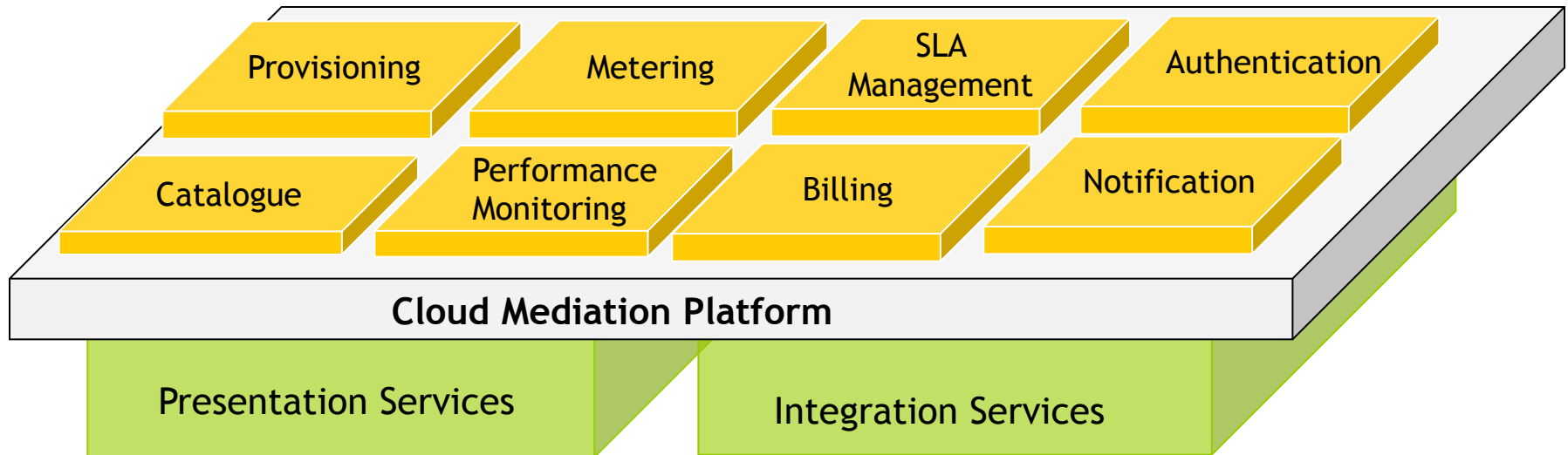
## **Challenges**

- Identification of Services / Platforms
- Readiness to Adopt
- Return of Investment

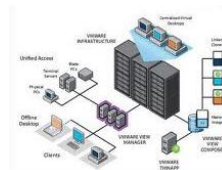









End Users



Existing Infrastructure





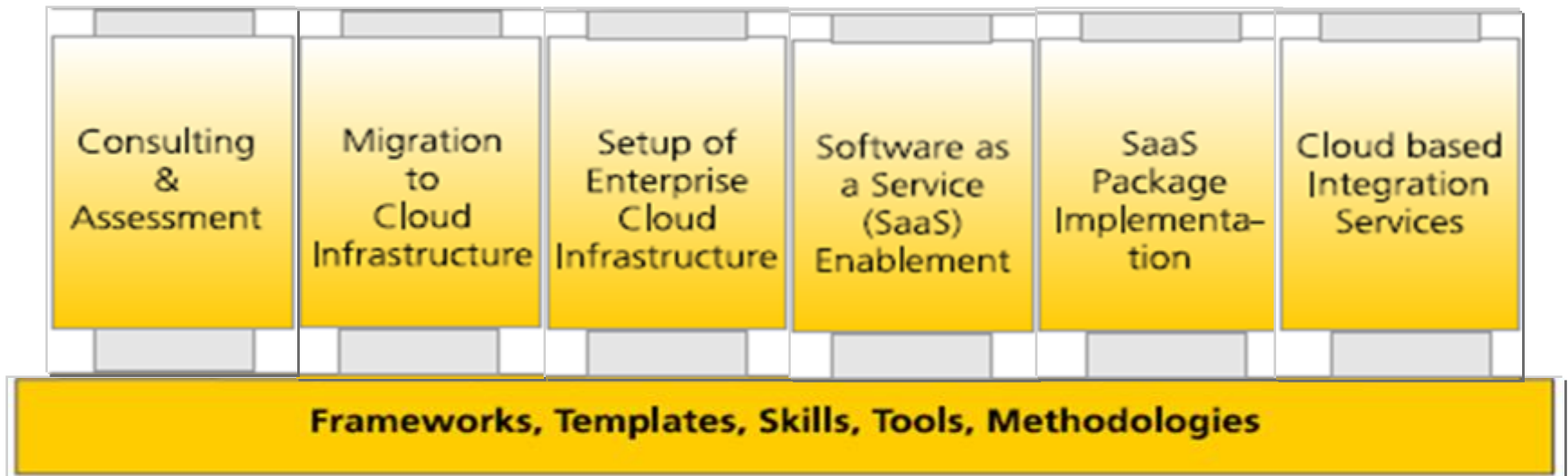
Flexibility of how to go along with business



Governance for deployment of IT assets



Choice of where IT assets should be deployed



Thank You



***L&T Infotech***

*Our Business Knowledge,  
Your Winning Edge.*