



# **Enterprise Architecture, Technology Standards & Governance**

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# What is Enterprise Architecture Governance?

Enterprise Architecture Governance is a coordinated state-wide IT function which ensures business-IT alignment and consistency of the underlying applications and infrastructure across New York State enterprise

# Key components of Enterprise Architecture in the State of New York



Standards management  
and compliance



Enterprise Infrastructure  
architecture



Enterprise & Cluster  
application architecture



Cluster & Agency  
Business architecture

# Standards management and compliance



Standards  
management and  
compliance



Enterprise  
Infrastructure  
architecture



Enterprise / Cluster  
application  
architecture



Cluster / Agency  
Business  
architecture

## What

- Define standards and policies

- Manage compliance

## How

- Baseline current state
- Work with the Clusters to create State-wide IT standards
- Review new and ongoing projects and platforms for adherence to standards

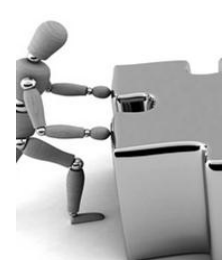
# Infrastructure architecture



Standards  
management and  
compliance



Enterprise  
Infrastructure  
architecture



Enterprise / Cluster  
application  
architecture



Cluster / Agency  
Business  
architecture

## What

- Define underlying architecture for service catalog

## How

- Work with infrastructure design and engineering within IT service delivery to develop offerings for service catalog

# Enterprise application architecture



Standards  
management and  
compliance



Enterprise  
Infrastructure  
architecture



Enterprise / Cluster  
application  
architecture



Cluster / Agency  
Business  
architecture

## What

- Define reference architecture and taxonomy
- Ensure compliance to reference architecture

## How

- Work with Cluster application groups to develop and iterate on reference architecture
- Manage enterprise domain map

# Cluster application architecture



Standards  
management and  
compliance



Enterprise  
Infrastructure  
architecture



Enterprise / Cluster  
application  
architecture



Cluster / Agency  
Business  
architecture

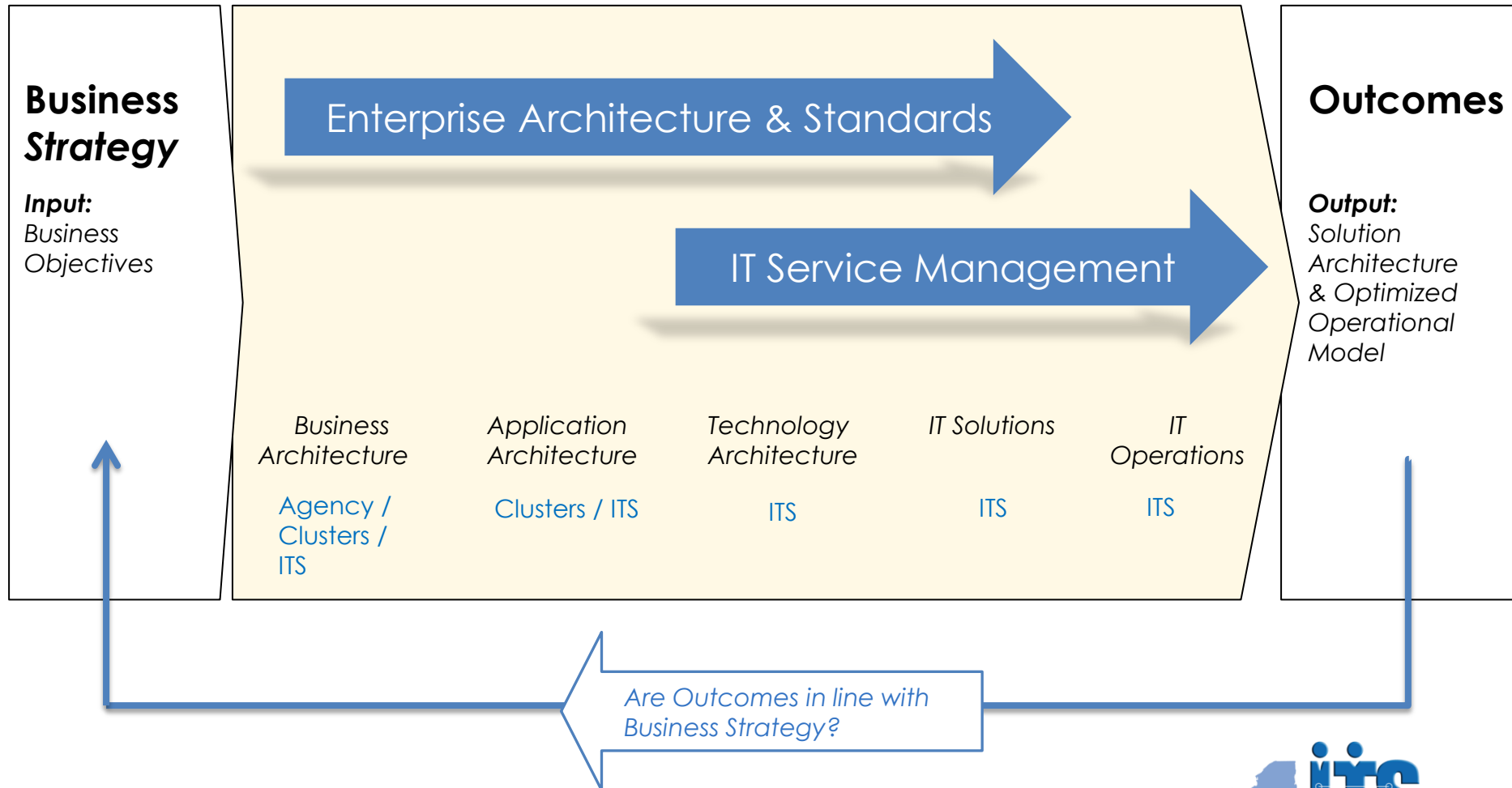
## What

- Deliver smarter solutions to Cluster and Agency business
- Smarter Government for citizens

## How

- Cascade domain map and reference architecture to agencies
- Feed back input and changes from agencies to central reference architecture

# Enterprise Architecture and Governance – End to End





# What will Enterprise Architecture deliver to the State of New York?

## Lower cost

- **Reduced solution design and maintenance cost** through software/infrastructure reuse and standardization

## Flexibility

- **Reduced time-to-deployment** of IT solutions through usage of predefined building blocks in application development

## Quality

- **Improved overall IT quality** through managed complexity reduction
- **Increased business/IT alignment** on enterprise scale through common language

## Lower risk

- **Reduced risk in IT decision** making through clear and exhaustive information
- **Reduced risk of IT project failures** through use of proven reference architectures



# Next steps

- Define the **Technology Governance Board and other key governance processes** for the State
- Develop a **baseline of the current state architecture and standards**
- Develop the central **Enterprise Architecture organization**, and how it will coordinate with the Clusters and Agencies

