

Infrastructure Complexity A business puzzle worth solving

SESSION ID: SPO-W06

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Challenge- Random improvement programmes

Reaction - began to build walls to limit growth

Lockdown!

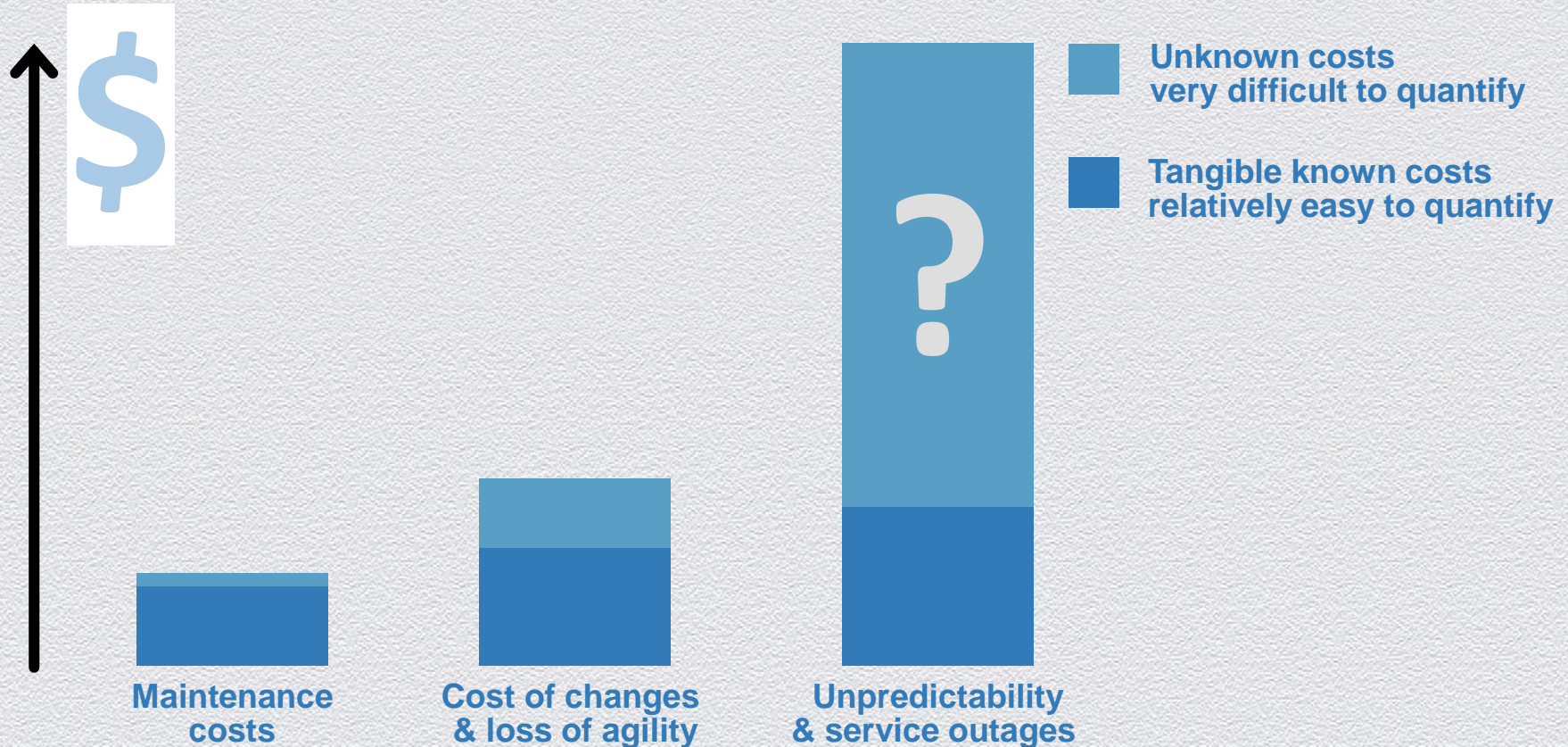


Fast and unstructured growth in Corporate Networks through ...

- Acquisitions & Mergers
- Globalisation
- Service demand
- Increased Competition

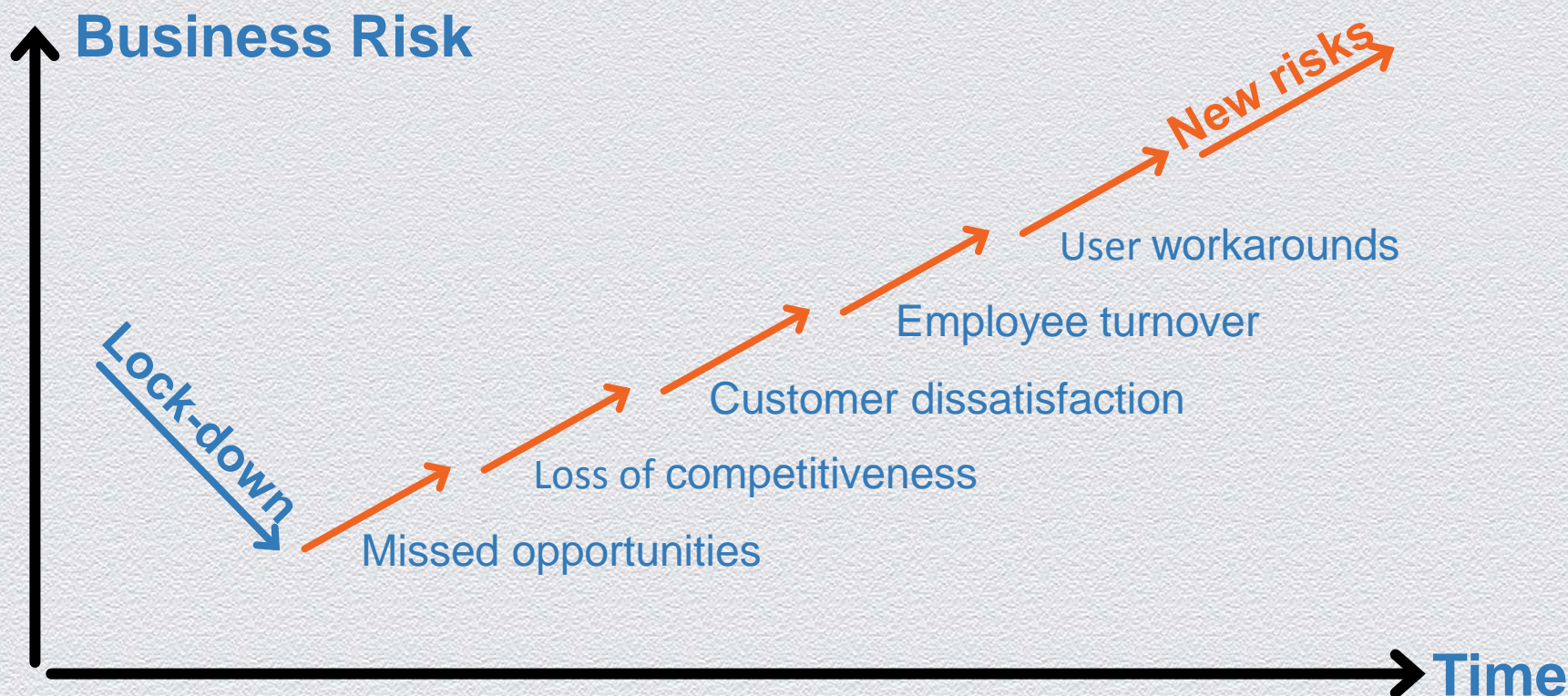
... against a growing global cyber threat

Impact of complexity on service availability



Fear forces many businesses to lock-down all systems...

The reality of systems lock-down

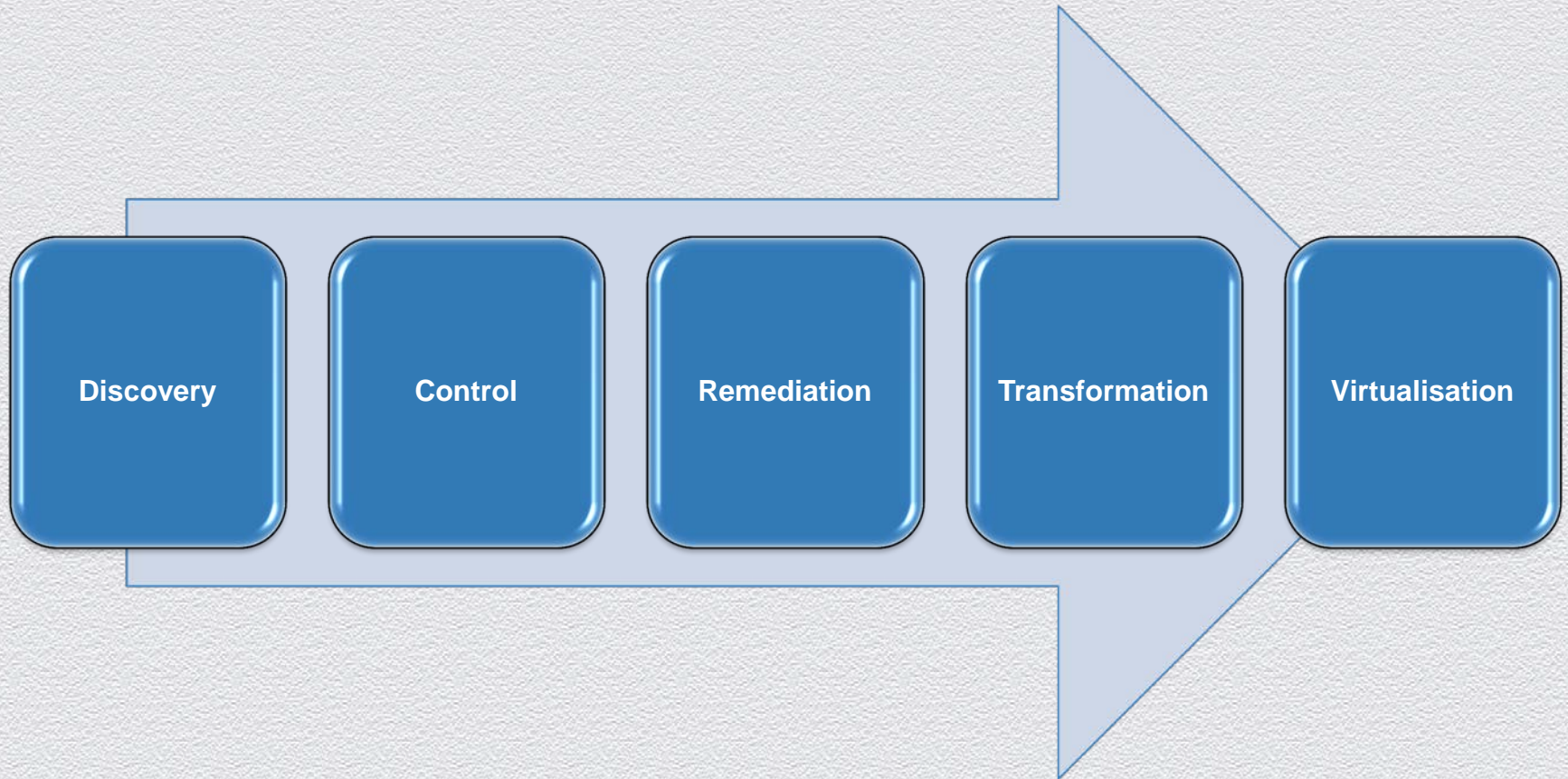




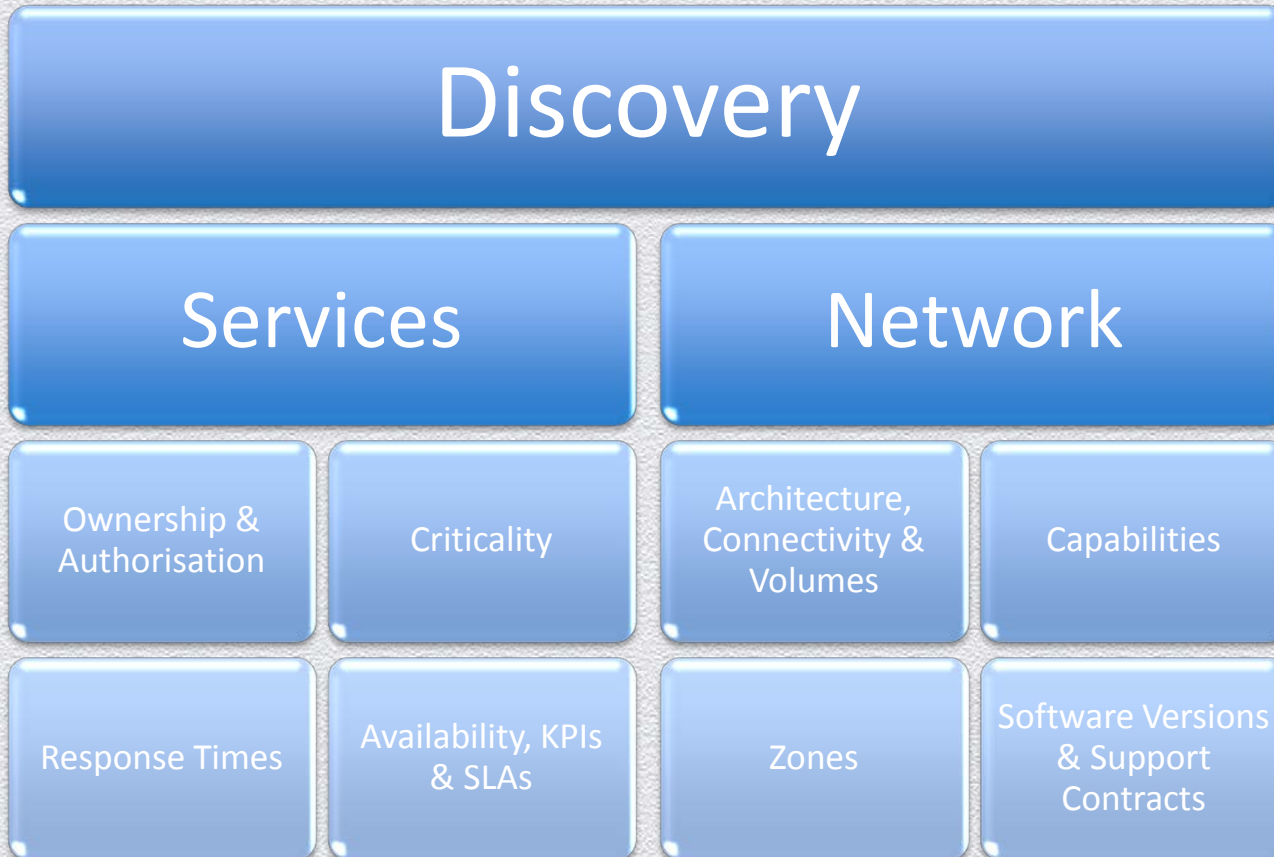
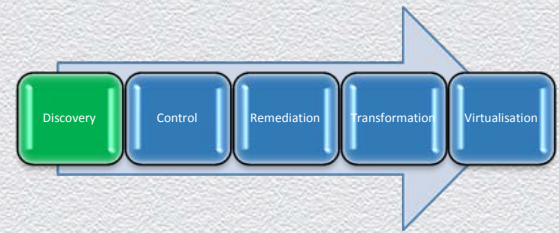


**Don't start
with the
network -
start with the
services!**

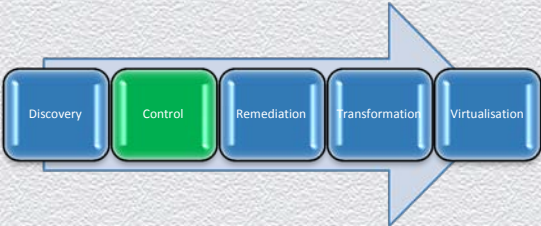
A systematic approach



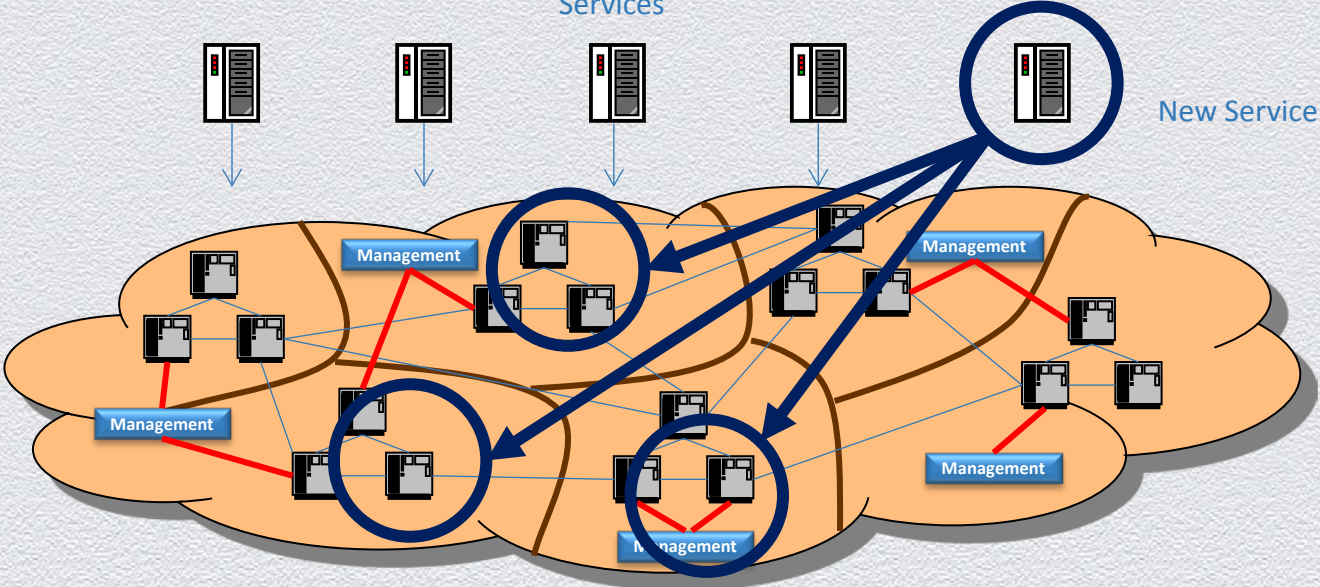
A phased approach begins with...



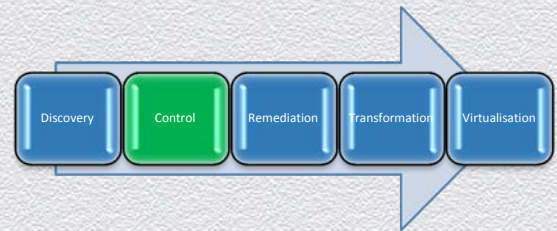
Getting control



Services

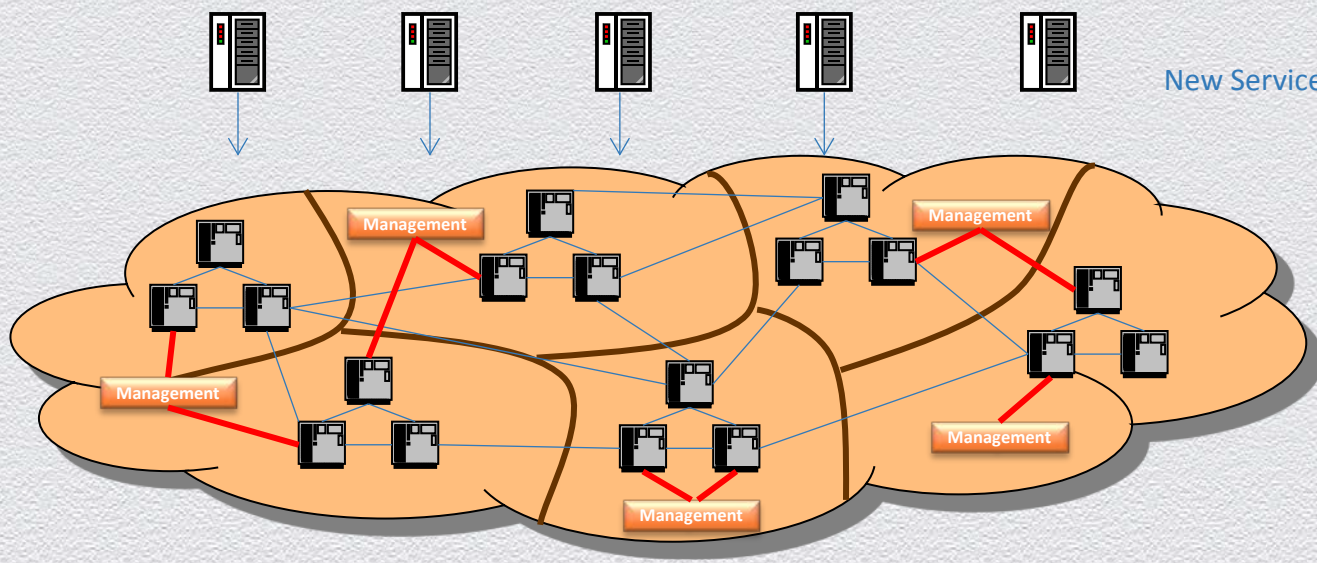


Getting control



Services

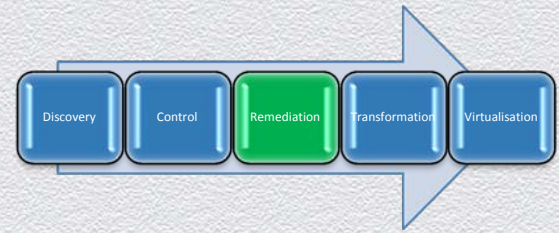
New Service



Control Plane

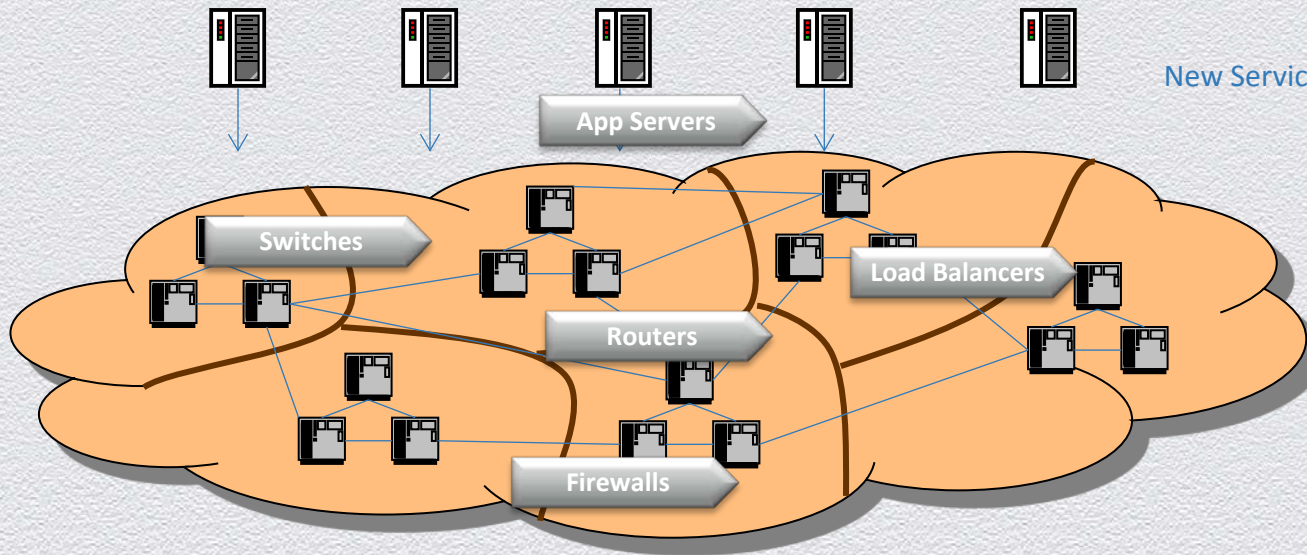


Remediation



Services

New Service

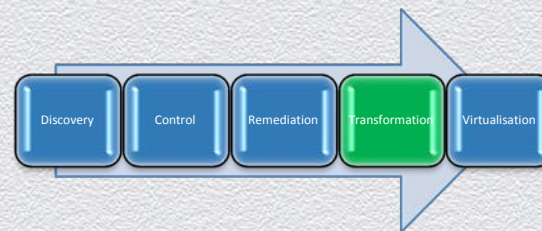


- Define the standards
- Upgrade network elements
- Fix problems
- Identify redundant components
- Ensure high availability

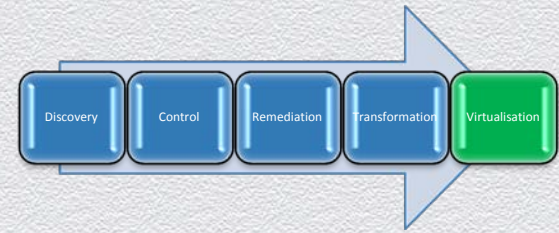
Control Plane



Transformation



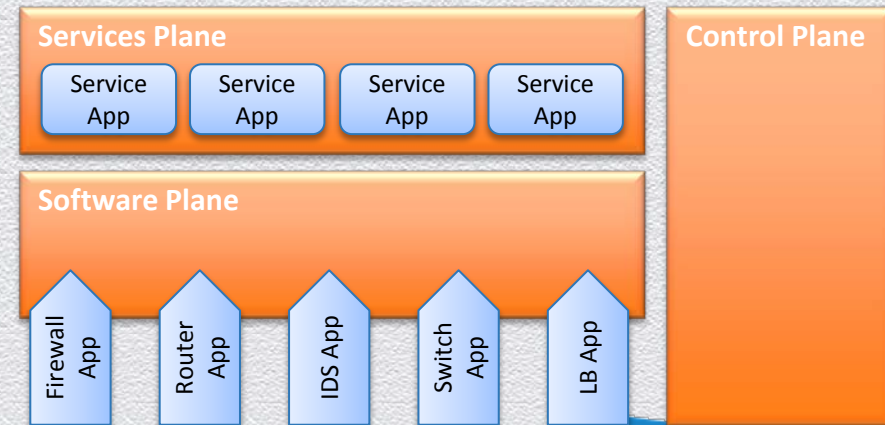
- Drive more effective usage
- Smart technology refresh
- Simplification
- Consolidation of types/suppliers



Virtualisation

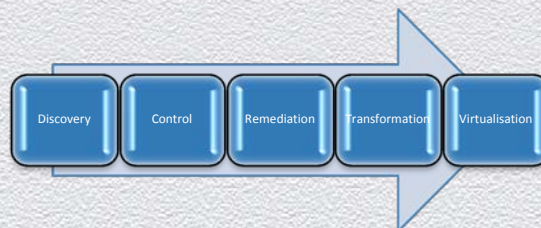


- ▶ The world is changing ...
- ▶ Physical control gives way to virtual control
- ▶ Software-defined networks become the norm
- ▶ Applications replace hardware



Large International Corporate

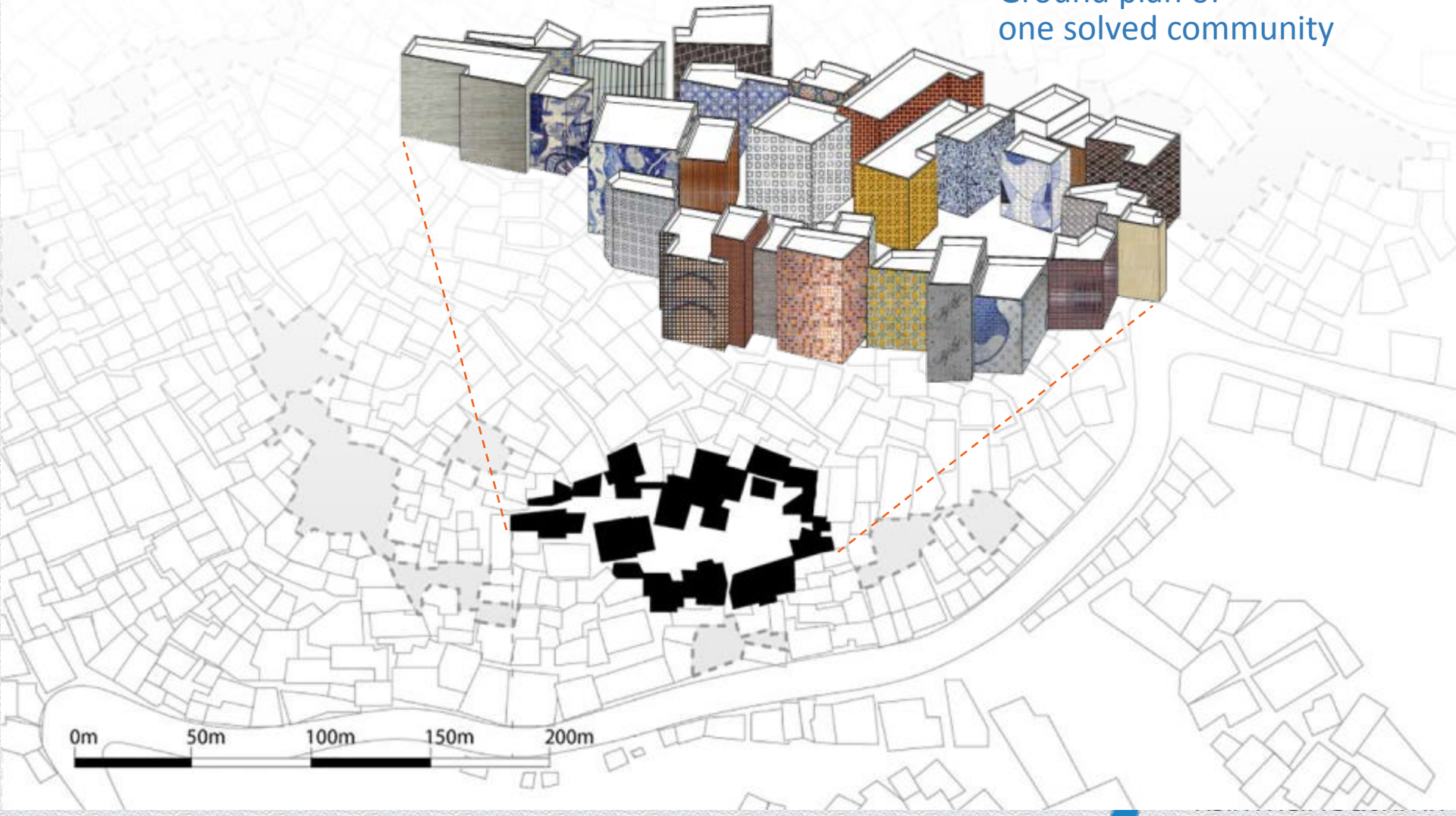
- 100,000 Employees
- 20 million customers
- 600+ services
- 8,000 network devices
- 2,000 servers



- Reducing back-end system complexity reduced downtime by 90%
- Savings of loss productive of £100,000s

Regeneration of the Favela de Rocinha

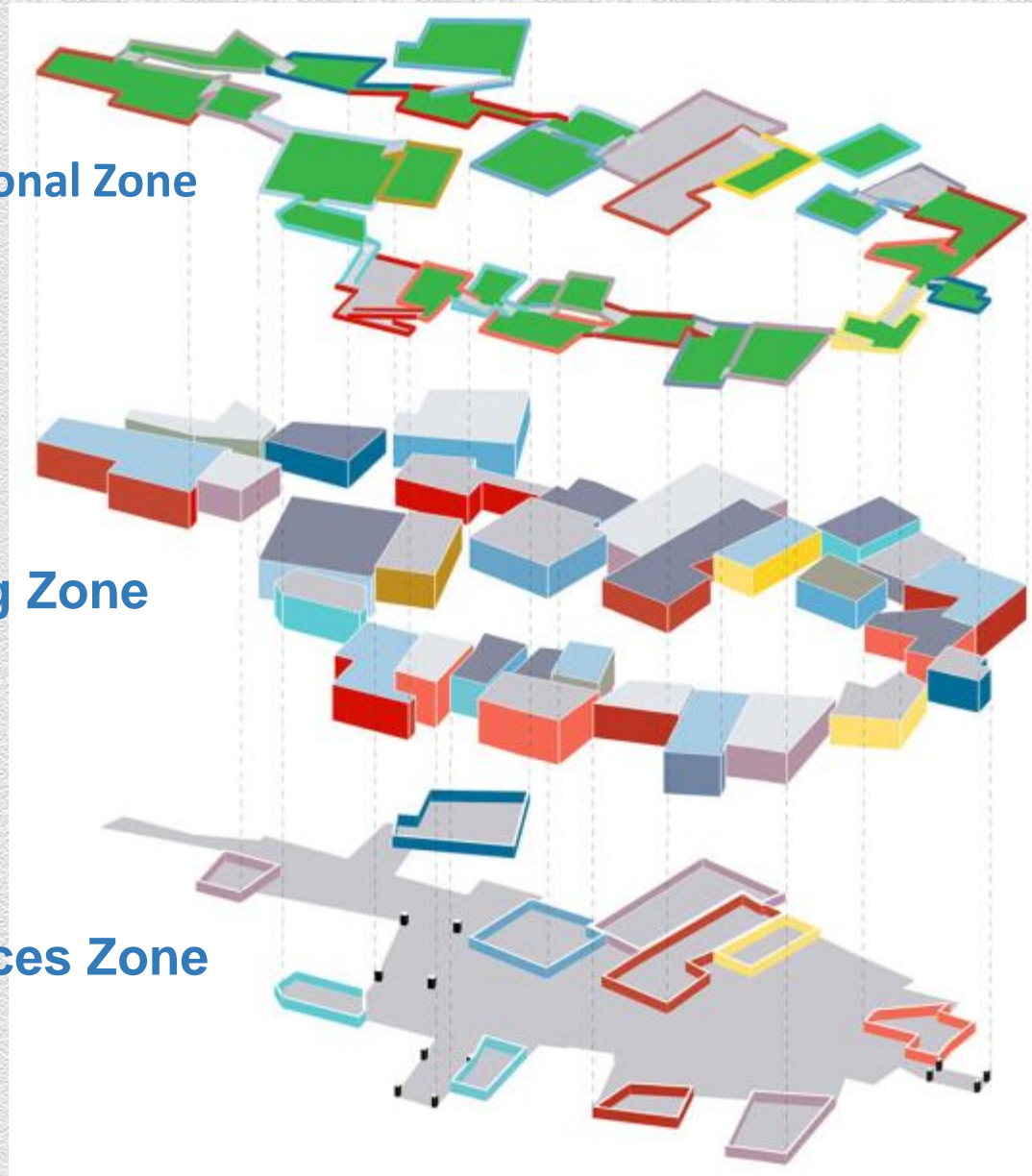
Ground plan of
one solved community



Recreational Zone

Living Zone

Services Zone



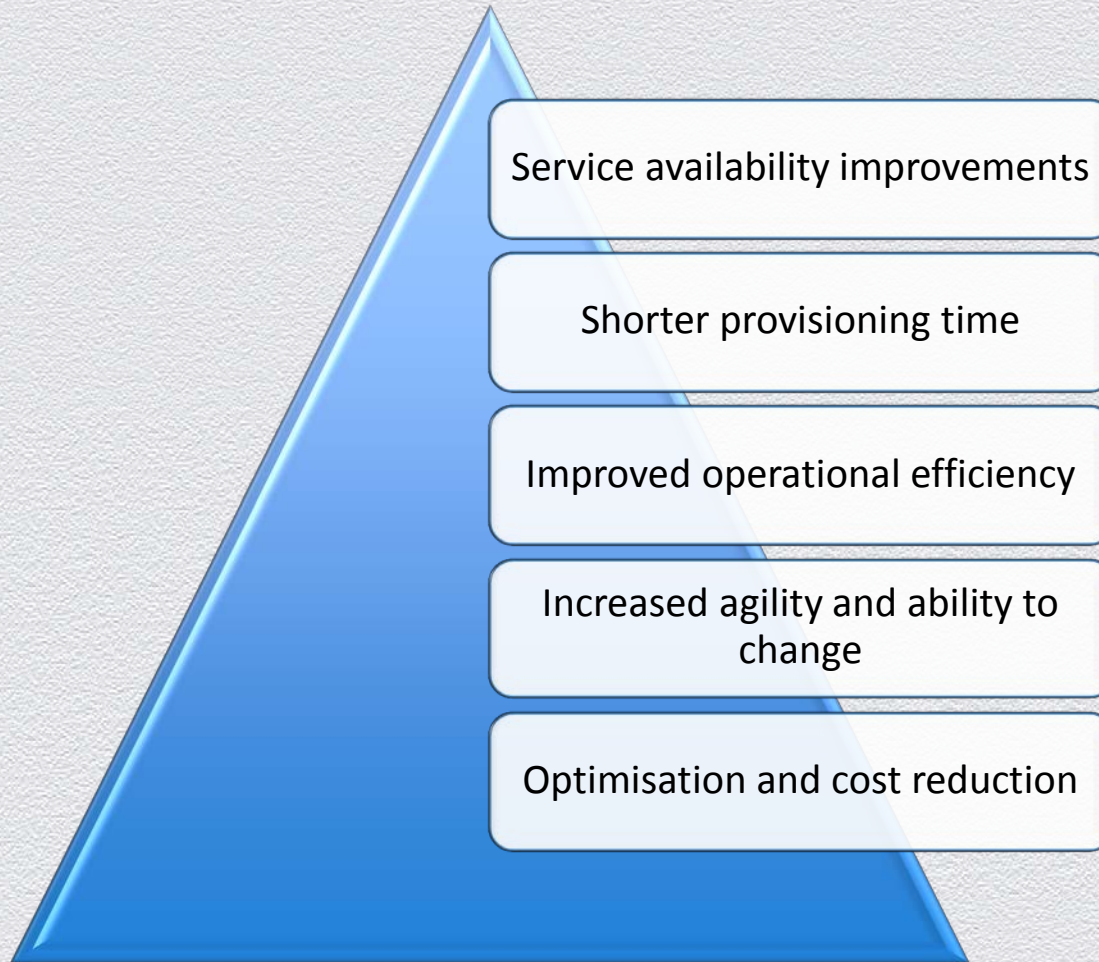
Conclusion

Building and securing traditional networks
has created unsupportable complexity

Resolving complexity starts with the
services, not the network

The solution - follow the path of discovery,
control, remediation, transformation and
virtualisation

Business Outcomes





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Thank You

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