Technology Group

SOA and BBC Creative Futures

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Aim

Creative Future

Key Barriers to Creativity and Change
Using SOA to support and foster Creativity

- and Change at an Enterprise Level
- Bringing it all together





Creative Future					
CREATIVE	TECHNOLOGY ENABLED PROCESS INNOVATION				
DIGITAL	CONNECTING DIGITAL ISLANDS				
SIMPLE	SIMPLE INTERFACES & SERVICES				
OPEN	TRUST & GOVERNANCE				
Technology Group					

Barriers

- Economics: High Cost, Complexity and Risk of Creativity, High Demand, Low Supply
- Learning: Knowledge Sharing & Collaboration
- Trust: Lack of Visibility, Quality & Control
- Communication: Disparate & Disjointed Vocabularies



Fostering Creativity

- Support Learning and Collaboration
- Lowering the Risk and Cost of Experimentation
- Address Economics of Production
- Empower with Tools, Accelerators & Support
- Decouple Domains of Change
- Make it Simple & Intuitive





What SOA means to the BBC

A Simple and Intuitive design and integration **Philosophy**, **Approach**, **Paradigm** or **Pattern** that is used to enable and support a flexible and adaptive BBC





Our view of SOA

- SOA is simply a service view of business resources and applications.
- A service is basically an abstraction of a business resource or application into units of repeatable functionality with standardised and publishable interfaces.

 Services can be distributed and interwoven to support existing and new business processes by changing the sequence of execution



The Service Vision

- To drive and promote greater business creativity and innovation through the encapsulation of business resources as services that interact remotely through standardised interfaces
- To support a portfolio of *independent interchangeable* business services that can be orchestrated to support (un)anticipated
 opportunities and threats
- Reduction of time to market and cost of change through creation of *stateless* business services that can be *reused* in various business context



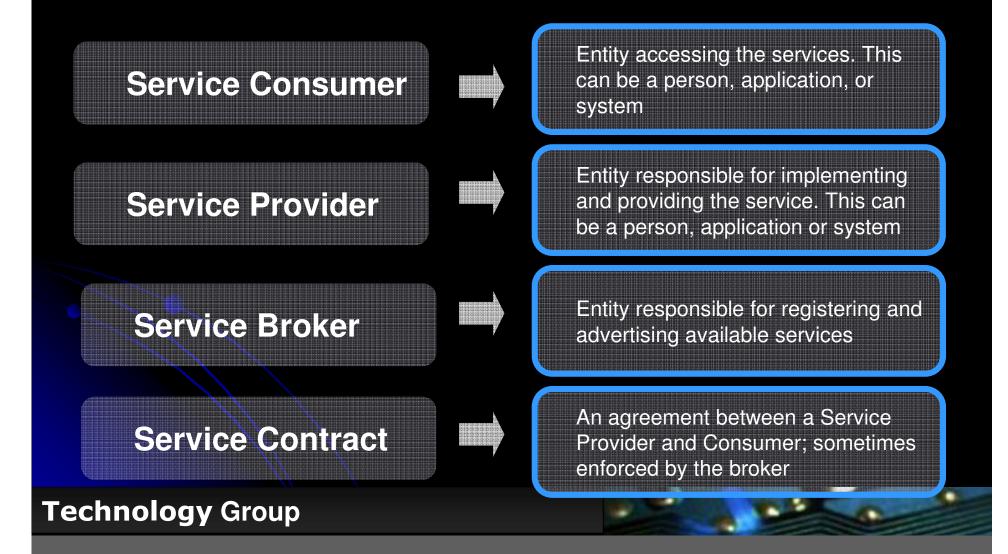
Positioning SOA in the BBC

- Business Process Design Methodology
- Application Architecture
- System Integration Pattern
- Sourcing Model





Key SOA Concepts



Key Themes

- A Simple and Intuitive Service Oriented View
- Shift focus from "HOW" to "WHAT" to Drive Process Innovation
- Decoupling Domains of Change to Reduce Impact and Cost of Change
- Technology Enabled Governance to Promote Trust



SOA & Creative Future: Connecting The Dots

Creative



Simple

Open

 Simple and Intuitive Approach

 Technology Enabled Governance

Empowering tools and

Raising Line of

Event Driven

Integration &

Interoperability

Commoditisation



Bringing it All Together

SOA Reference Model & Roadmap
Traditional Broadcast Value Chain
On Demand Value Chain





SOA Reference Model

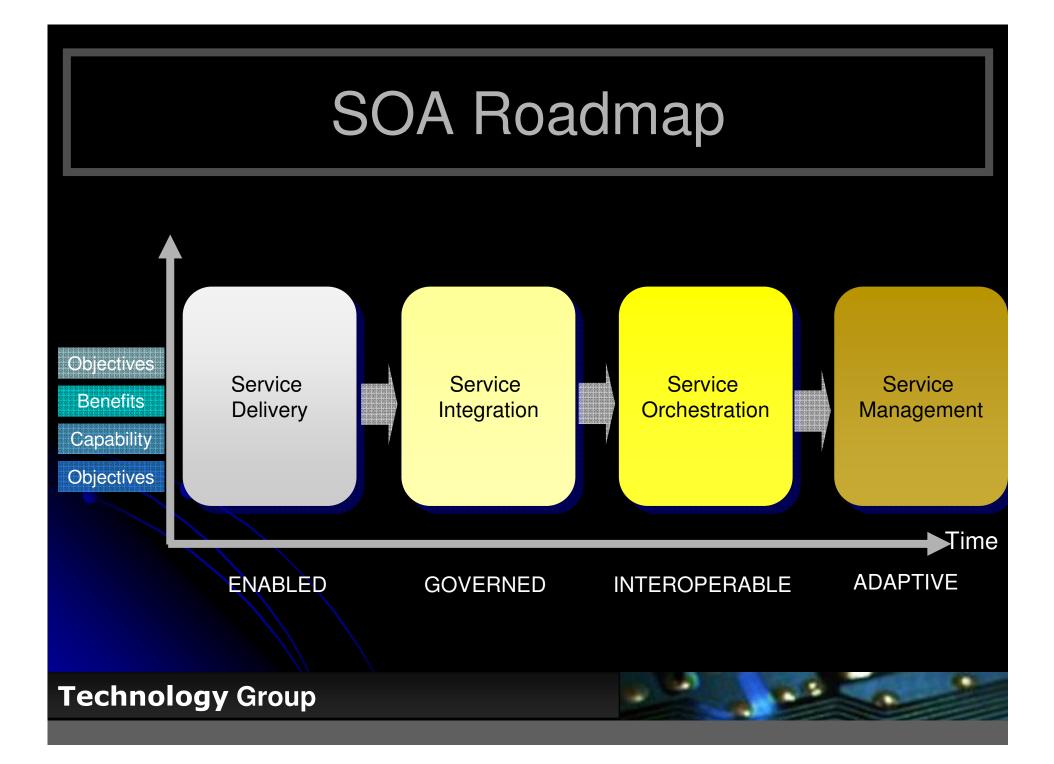
Business Tools, Portal & Collaborative Services

BPM and Document Services (Business Fabric Services)

Integration and Interoperability Services

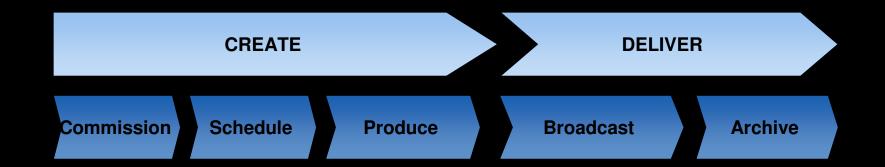
Other Infrastructure Services

Service Governance Tools and Repository



Old BBC					
Broadcast Production	TV Nations and F	World Service & Glo News	bal io J ic	Worldwide Service Partners	
	News Sport Drama, Entertainment and Children's Factual and Learning			Independent Producers	
Support	Strategy and Distribution Marketing, Communications and Audiences Finance Property and Business Affairs Human Resources and Internal Communications Public Policy			Resources	
Technology G					

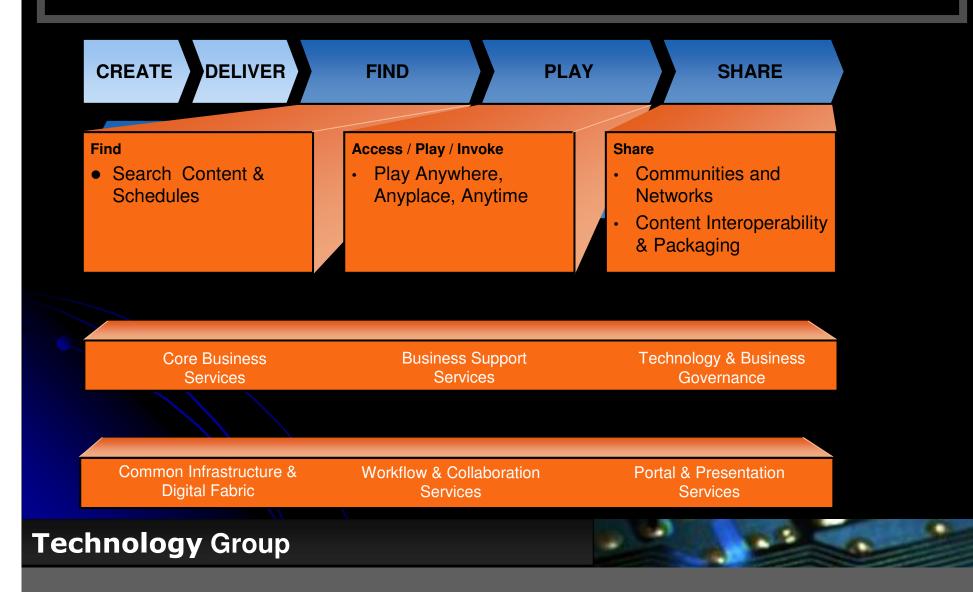
Traditional Broadcast Value Chain

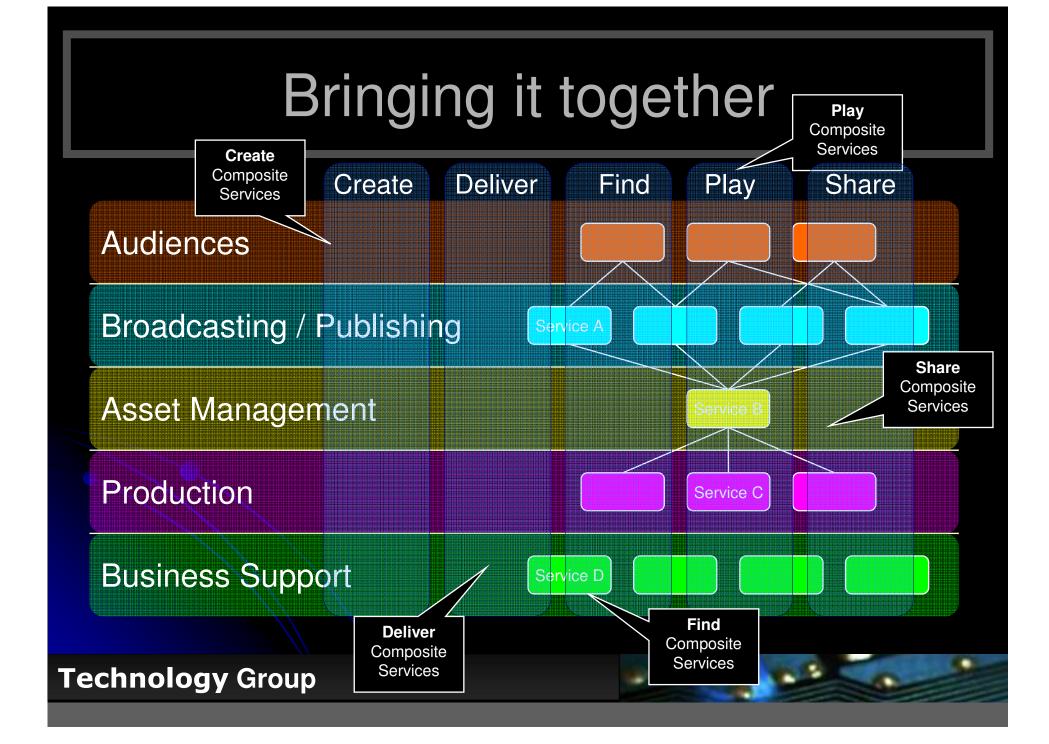


Linear
Inefficient
Inflexible
Analog
Costly



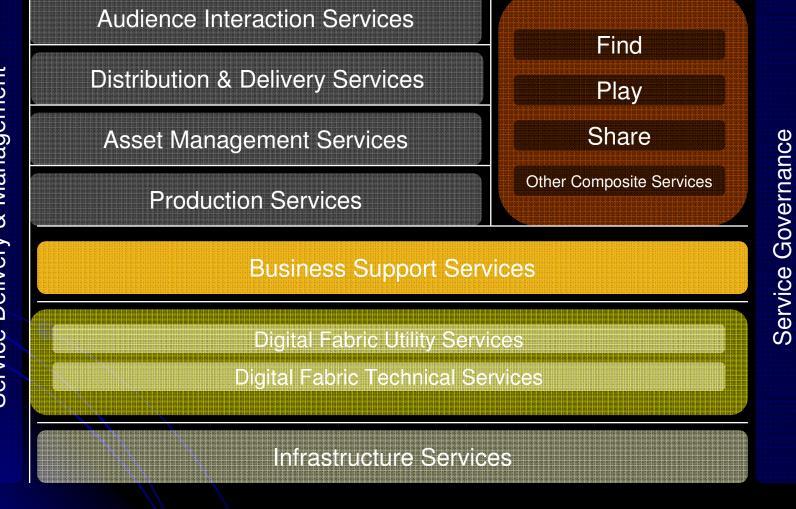
On Demand Value Chain



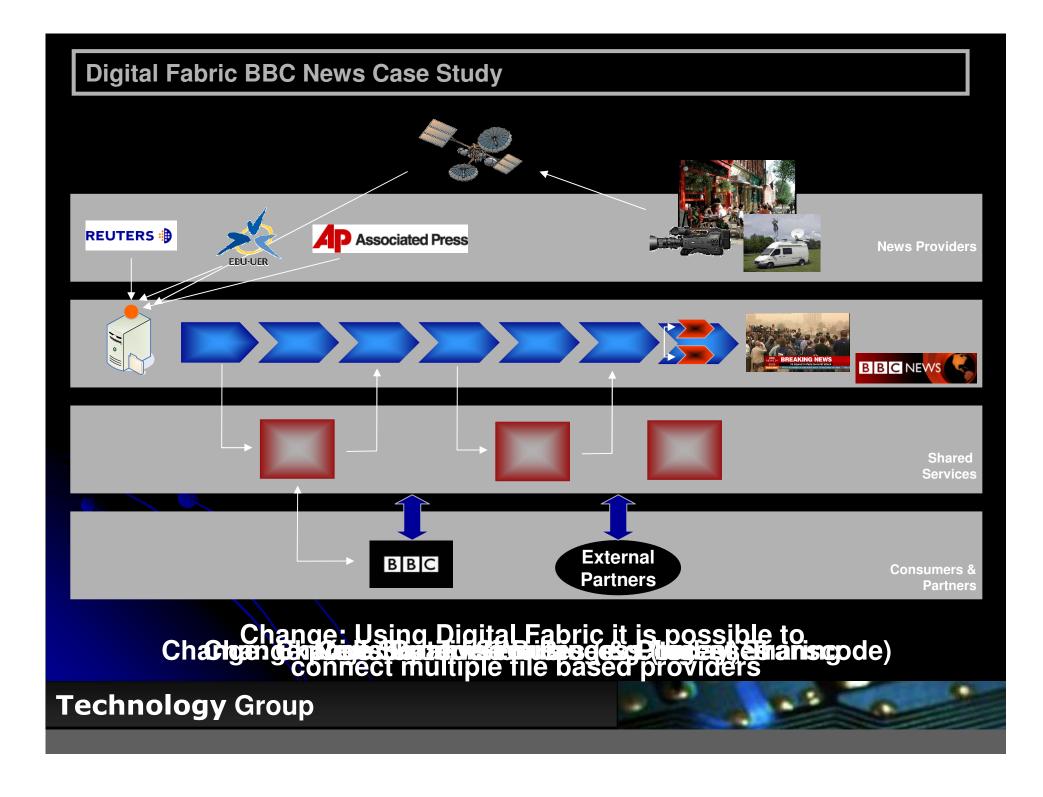


Service Reference Architecture









Old to the New...

- Old ways
- •COMPLEX
- •SILOS
- •CAPEX BASED
- •DEVELOP
- PROCESS
- •CONSTRAIN
- •BUILT TO LAST
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- New ways
 - •SIMPLE & INTUITIVE
 - •NETWORKS
 - •OPEX BASED
 - •MODEL & ASSEMBLE
 - •SERVICES & FUNCTIONS
 - •EMPOWER
 - •BUILT TO CHANGE & INTEGRATE



In Summary

- Use SOA to enable and support a creative climate
- Approach is Simple and Intuitive
- Supports lower risk and cost of change
- Better Economics
- Decouples Domains of Change
- Supports Knowledge Sharing and Collaboration
- Delivers Better Governance and Promotes Trust



Questions

Thank you...





Bringing it all together

