

LIFe – Sri Lanka Identification Number (SLIN)

Enabling Interoperability



Sanjaya Karunasena

Chief Technology Officer



sanjayak@icta.lk

<http://twitter.com/sanjayak71>

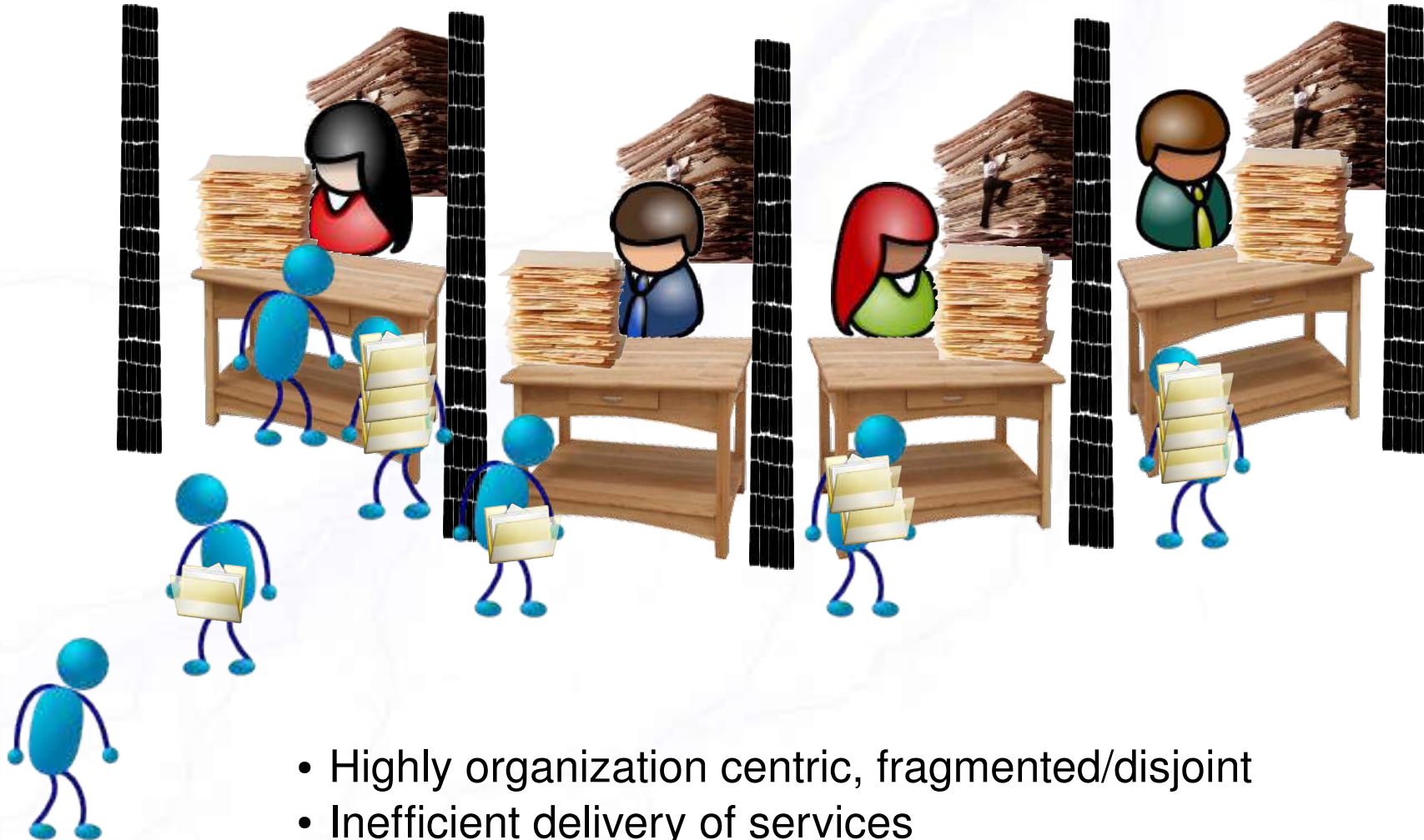


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Next Generation Government



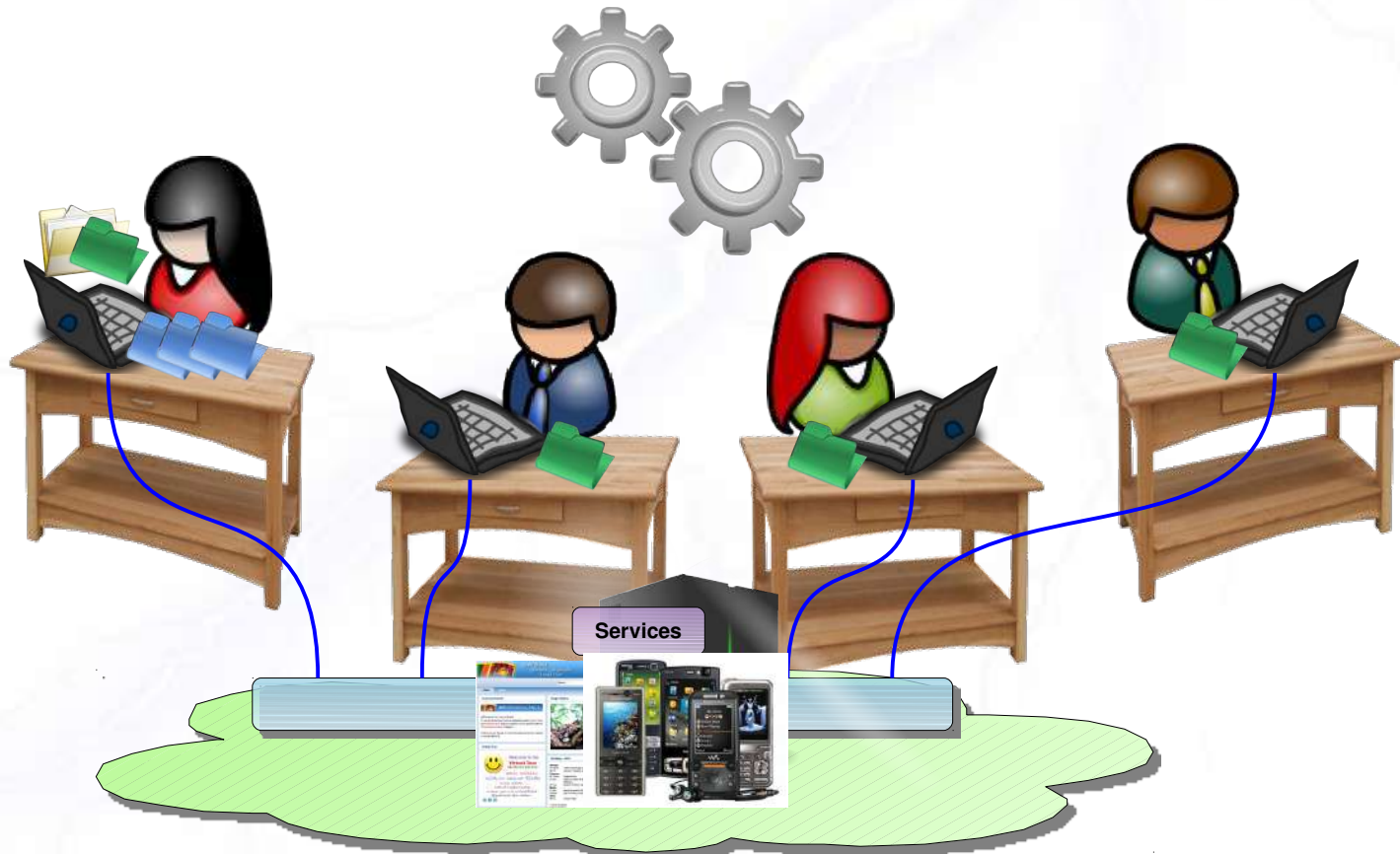
Government 0.0



- Highly organization centric, fragmented/disjoint
- Inefficient delivery of services
- Massive bureaucratic machinery, unresponsive, unaccountable



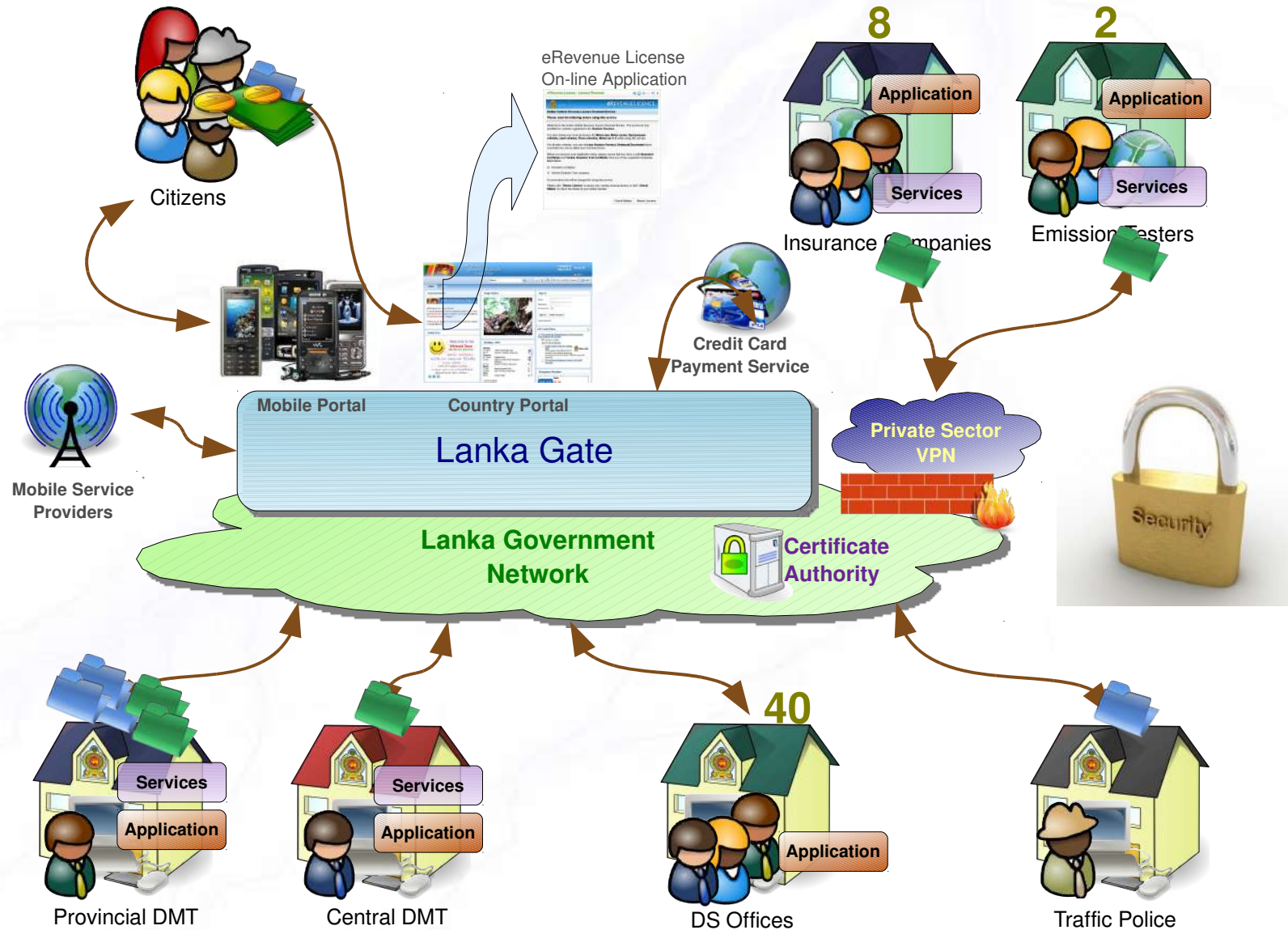
Government 3.0



- Government service portal
- Personalized experience for the citizen, intelligent service
- Seamless service anytime, anywhere
- No bureaucracy, highly responsive, transparent



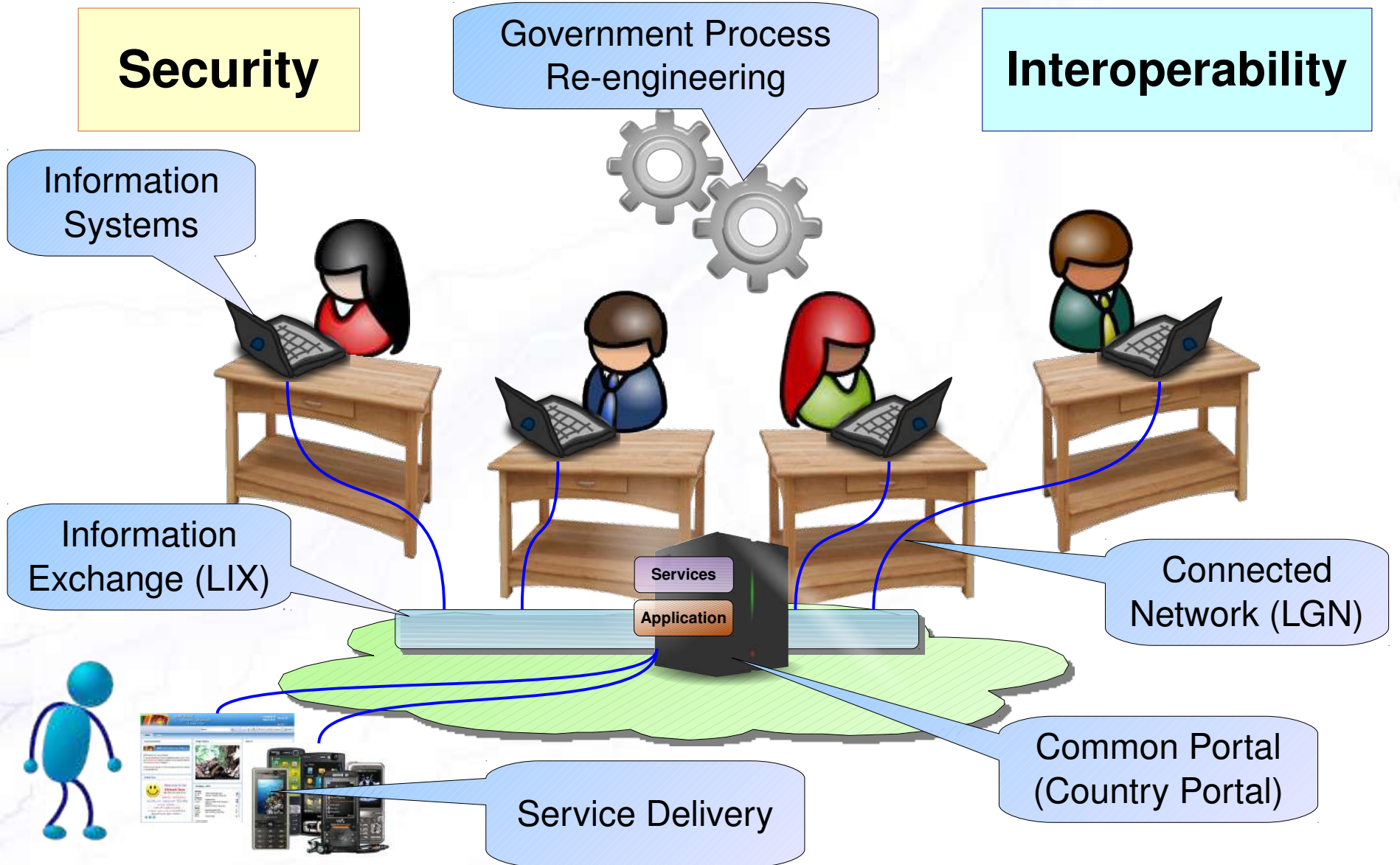
A Modern Citizen Service



Technology Framework for Next Generation Government

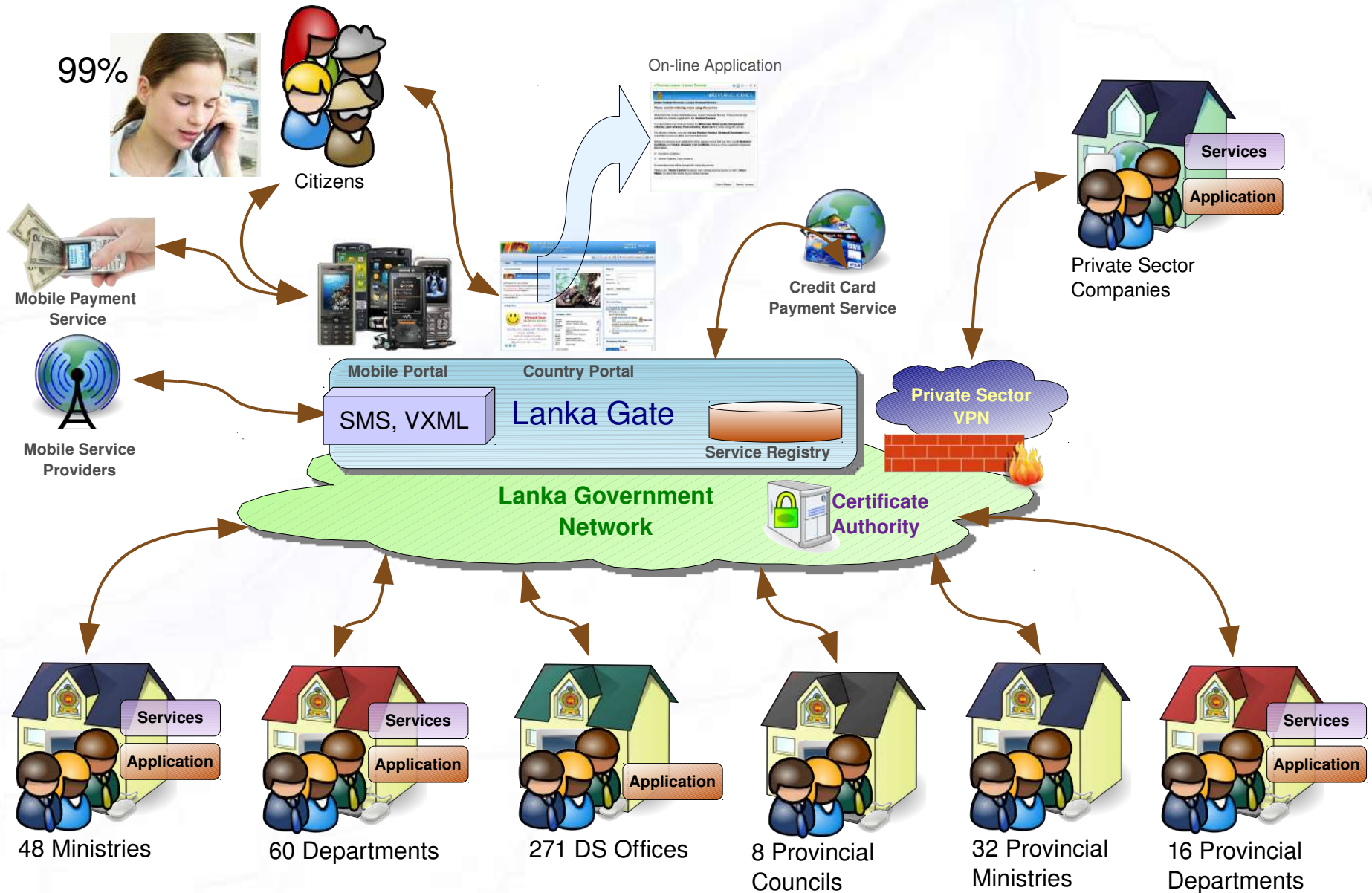


Technology Requirements





Technology Framework Components



Interoperability & LIFe : Open Standards

Need for Interoperability

- So many distributed & diverse systems need to communicate with each other
- That requires interoperability!
- Those systems may have use various technologies
- Those systems may have use various data architectures
- Conflicting policies, procedures, guidelines, etc.
- How do we ensure these organizations can interoperate?

Our Approach to Interoperability

- Focus on the interface
- Standardize what's on the wire



Technical, Syntactic, and Semantic

- Standardize networking infrastructure
- Standardize communication protocols
- Standardize data representation, formats and semantics on the wire

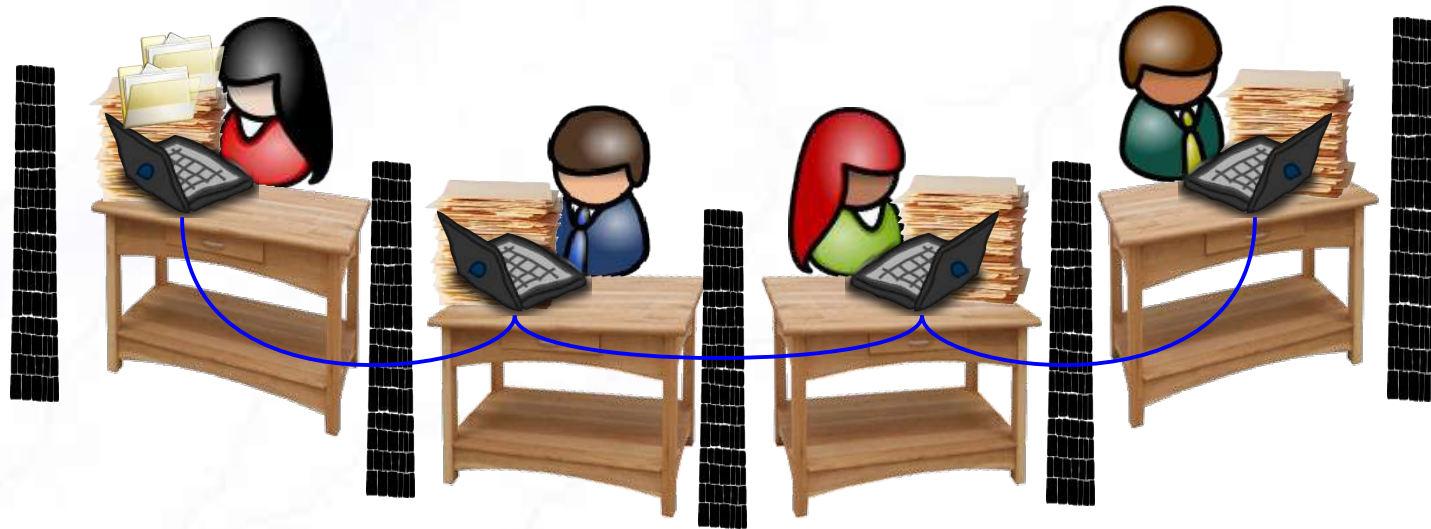
Domain Owners

Syntactic

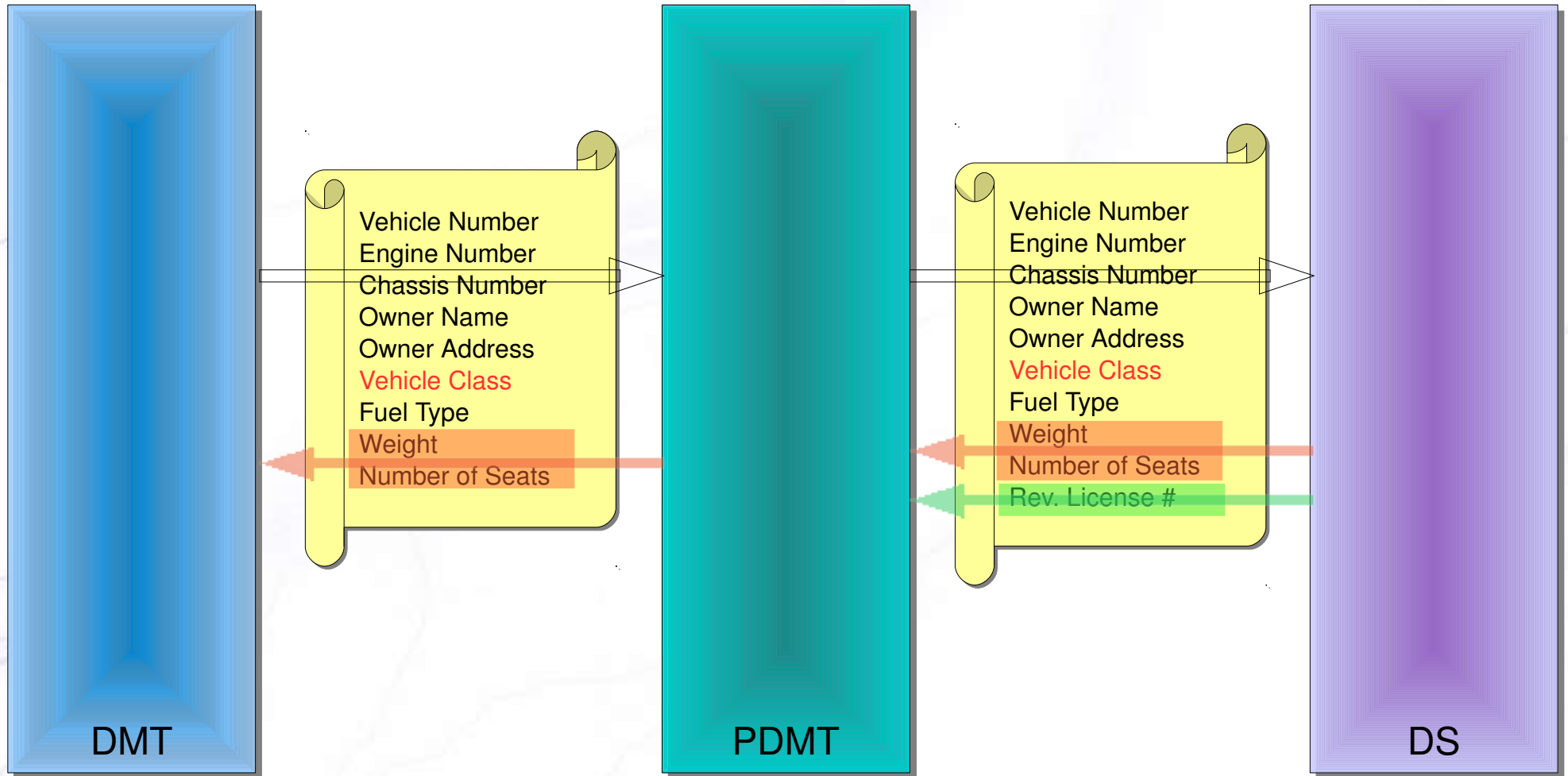


Interoperability in the Government

- Information Ownership
- Policies on information sharing, storing, modifying, and deleting
- Processes and guidelines



Semantics, Process, and Ownership



LIFe Website

LIFe

Lanka Interoperability Framework

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Introduction to LIFe

Hits: 3881



Lanka Interoperability Framework (LIFe) is a set of open standards to ensure the interoperability in government information systems.

Interoperability is the ability of diverse information systems from various organizations to seamlessly work together. Interoperability is the highest degree of operability.

The ultimate goal of eGovernment is to enable each government organizations to become a one-stop-shop and provide all government services through a single window. In order to achieve this goal, it is required to create a connected government where all the government organizations are electronically and process wise connected. For an integrated government to effectively operate and provide one-stop-shop services, it requires government organization to share and exchange information across systems. This requires understanding on and sharing common objectives of the government organizations across organizational boundaries and collectively working towards setting up of common standards.

This also requires government organizations to develop interoperability mechanisms for exchange data between their information systems. LIFe focuses on ensuring interfaces between various information systems which are developed by government organizations are completely understood and they achieve both syntactic and semantic interoperability.



MENU

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LOGIN

Policy Committee of LIFe

- Secretary, Ministry of Public Administration and Home Affairs (Chair)
- Deputy Post Master General, Postal Department
- Programme Director of Re-Engineering Government, ICTA (Secretary)
- Deputy Commissioner, Department of Elections
- Director General, Department of Census and Statistics
- Commissioner, Registration of Persons Department
- Director, Department of Pensions

Policy Committee of LIfe cont.

- Deputy Controller (IT), Department of Immigration and Emigration
- Assistant Commissioner, Department of Examinations
- Commissioner, Department of Motor Traffic
- Deputy Director (IT), Central Bank of Sri Lanka
- Commissioner General, Department of Labour
- Deputy Director (Statistics), Registrar General's Department
- Registrar General, Registrar General's Department
- Director (IT), Department of Police

Sequence of Events

- Chairman NARC and Secretary to the President assigned DG/NARC who was also then Secretary, MPAHA to give the policy level direction/leadership to LIFe
- Personal domain under LIFe V2 was completed in 2005-06 and NIC standards were formed
- ICTA realized the need to enhance the standard and the approach to LIFe in 2009 due to various practical technical issues and business requirements

Some of the Modifications

- All simple types to be replaced by XML Schema simple types (<http://www.w3.org/TR/xmlschema-0/#CreatDt>)
- Use readable text instead of numbers in value spaces where applicable (e.g. Civil Status, Religion, Ethnicity, etc)
- Title, Name => xs:string
- All dates => xs:date
- Address to have just 3 fields from earlier 11 fields

Key Issues Address by SLIN

- The new number is very similar to the existing NIC number and people will be able to easily derive the new number from an existing NIC number
- The new number enables personal records of citizens who has born in different centuries to be recorded in an information system since the birth year is represented using four digits (e.g. Family Tree in the Population Registry, Land Title information (history of owners) in the Land Registry, Electronic People Information Archives in National Archives, etc)
- The issue cause by the overflow of birth registrations in some occasions due to the limitation of 999 birth registrations per gender per day in the old number is eliminated by extending that limit to 9999 birth registrations per gender per day

SLIN

Birth year	Birth day of the year	Serial # of the issued day	Check digit	To be used by the RPD
yyyy	ddd	nnnn	c	A

Old number	64	104	275	7	V
New number	1964	104	0275	7	V

SMS to 1919: RGD NIC <Current NIC Number>

Sequence of Events cont.

- Policy Committee of Personal Domain of LIFe met with the Chairmanship of Secretary, MPAHA Mr. D. Dissanayake on 2009-07-03 for enhancing the data standards and documenting the process standards
- LIFe V3 Operational Committee proposed a SLIN (Sri Lanka Identification Number) and NICN (National Identity Card Number) and its data standards
- Number to be approved by the Policy Committee
- RGD to generate this number in the eCivil Registration system (already being piloted in 15 locations)

Thank You!



LANKA GATE
Opening Endless Possibilities

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අනන්ත ඔක්සතා විවෘත කරයි

இலங்கை நுழைவாயில்
எண்ணற்ற சாத்தியக்கூறுகளின் வாயில்

 **ප්‍රධානියාගේ කාර්යාලය**
சனாதிபதி அலுவலகம்
Presidential Secretariat

 **Sri Lanka**
smart people smart island

 **ICTA**
ideas actioned