Products/Solutions/Expertise of C-DAC Mumbai in Smart City Domain

eSangam
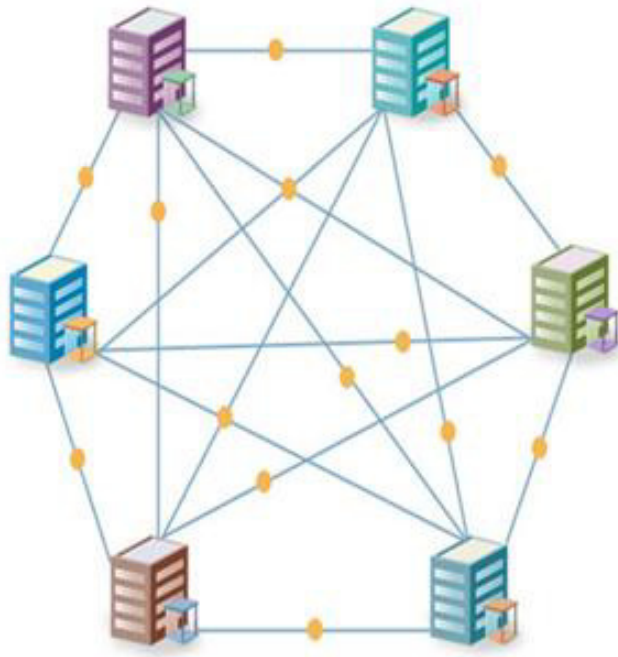
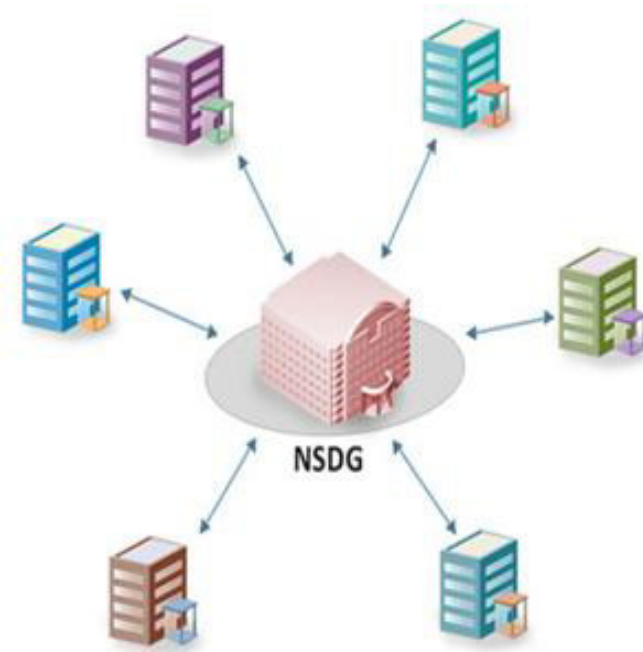## eGovernance Services Delivery Framework

About eSangam

➢ An Integrated Mission Mode Project under NeGP with a vision to provide all the government services accessible to citizen through a single service delivery outlet.

➢ A Nation wide constellation of Gateways consisting of National (NSDG) and State eGovernance Services Delivery Gateways (SSDGs).

➢ NSDG/SSDG acting as a standards-based messaging switch and providing seamless interoperability and exchange of data across the departments.

➢ Providing a National Directory of services (NSD) having all the central and State level services registered.

Message Exchange
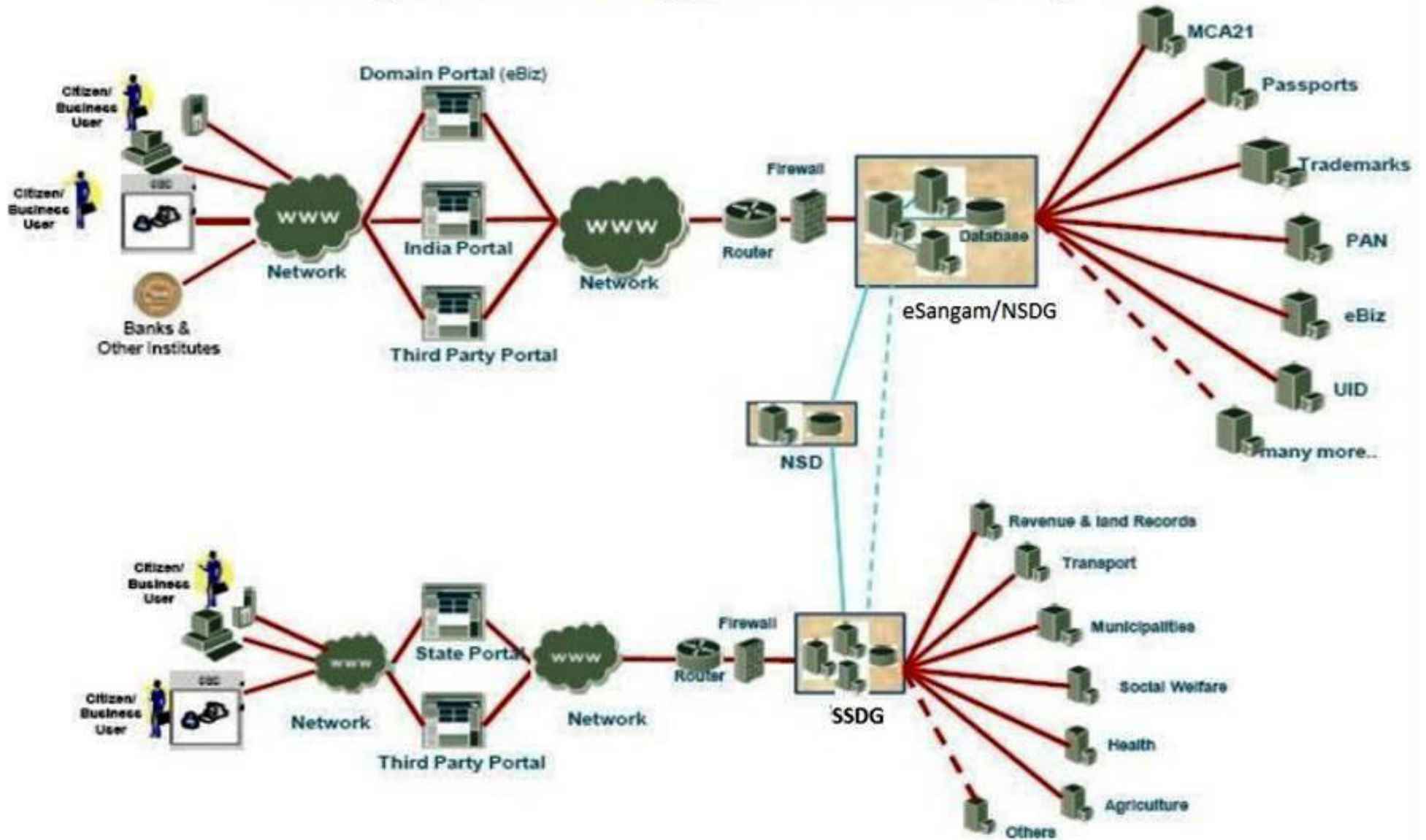
Without eSangam

With eSangam

Objective

To develop the integrated services delivery framework and supporting tools to :

- Cooperate, Collaborate and Integrate information across different departments.
- Facilitate efficient service delivery to the government departments (G2G), businesses (G2B) and citizens of India (G2C).
- Reduce interdepartmental "m X n" service integration to single point registration
- Provide Interoperability and integration among heterogeneous applications
- Enable Legacy systems join the SOA with minimal effort.
- To provide Secure Messaging Channel.

eSangam Positioning for Service Delivery

Features

- ➢ De-couples front end from business logic of applications.

- ➢ Based on Open Platform, Open Standards and No vendor locking

- ➢ Provides Support for Multiple protocols (IIP/IIS, SOAP, REST, HTTP, etc.) for service integration.

- ➢ Support for synchronous as well as asynchronous mode of message exchange

- ➢ Messages are forwarded to recipients after proper authentication and authorization.

- ➢ XML signature support and communication over Two way SSL enables secure message exchange between department applications.

Features

➢ Business Continuity with zero data loss achieved through own Disaster Recovery Solution, Revival DR Solution

➢ Uniquely designed architecture of Central & State gateways and NSD providing service discovery and service lookup enables inter-gateway communication for message exchange.

➢ Support for Centralized connector hosting

➢ IDE to design connectors and define workflows among the registered services

➢ In-built Workflow management feature

➢ ISO/IEC 27001:2005 (ISMS) compliant

Current Status

- ➢ **Central Level Statistics**
  - ✓ Gone Live in August, 2008
  - ✓ **475** Services Registered in Production
  - ✓ **3.8 Cr** +Transactions
  - ✓ Integration of 75+ services in Progress

- ➢ **State Level Statistics**
  - ✓ Deployed in **25** States
  - ✓ **1771** +Services Being Delivered
  - ✓ **5.2 Cr** + Transactions.

Awards

- ➢ **Revival 2000:** NASSCOM Innovation Award 2012-Runner Up, in the category of "**New Technology Advancement**",
- ➢ **NSDG :** Winner of Manthan Award 2012 under **e-Infrastructure** Category
- ➢ **NSDG :** Winner of Skoch "World is Open Award" in 2008.

Thank You !