e-Transaction Aggregation & Analysis Layer (eTaal) – A Brief Overview

Introduction	eTaal is a web portal for dissemination of **e-Transaction** statistics of Central and State level e-Governance Projects including Mission Mode Projects. It receives transaction statistics from web based applications periodically on near real time basis.
Services	eTaal presents quick analysis of transaction counts in graphical form (Bar Chart, Pie Chart, Bubble Chart, etc.) and as Tabular Statements to give quick view of transactions done by various e-Governance projects.
Benefits	Provides visibility for the National/State level services of e-Governance Projects and presents status on actual utilization of various systems running at various locations.
Target Group	Any department or government organization offering G2C, G2B or G2G services.
What is e-Transaction?	"A **transaction** in delivering a public service which uses Information Technology (IT) while also satisfying the following four conditions, a. Service is requested through electronic means including mobile devices b. Workflow/approval process is electronic c. Database is electronic/digitized d. Service delivery is electronic. in order to **improve access, enhance transparency** and **reduce response time.**"
Prerequisites for participation	The server on which the e-transaction data resides must be on Internet. It is platform independent. The server may be on any platform (Windows/Linux; SQL Server/Oracle/MySQL/ PostGreSQL; .Net /Java/PHP etc.).
How to participate?	A **'Web Service'** is needed to be deployed on the server on which transaction data is available. URL of the same with credentials to access this URL is needed to be shared with eTaal Administrator. Details are given in the technical document.
For Support	Please send an email to nesd@nic.in

Steps to be taken to participate in eTaal

1. Identification of Departments which are offering eServices.

2. Identification of eServices being delivered from these departments.

   For example-

SL #	Department Name	eServices Name
1	Revenue Dept.	Issue of RoR
2	Food Dept.	Issue of Ration Card

3. Identification of location of server

SL #	Department Name	Application Name	Server Location	IP Address of Server
1	Revenue Dept.	NLRMP	State Data Centre	10.4.5.6
2	Food Dept.	ePDS	National Data Centre	10.1.2.3

4. Workshop for Trainers Training

5. Briefing to the administrators by the trainers about the steps to be taken for creating **Web Service** and addressing their queries in a workshop.

6. Creation of **Web Service** by the application teams:

   For each server, we need to create a **Web Service** after proper testing.

7. Opening of port for connecting from eTaal Server by the Application/Data Centre Team:

   The port on which the service is running is required to be opened for eTaal Server. Port 80 is required to be opened if service is running on http or Port 443 for https or any other port, as applicable.

8. Sharing of URL of **Web Service** along with User Name and Password with eTaal application administrator at NIC, HQ, New Delhi.

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