OISF Compliance guideline

The main objective of OISF (Office information & Service Framework) is to develop an **Enterprise Architectural Framework** to bring all e-service of Bangladesh Government under one umbrella that ensure e-service interoperability which increases service delivery from service provider side. This capacity development finally ensures efficient service delivery to citizen which enhance citizen's quality of life.

The purpose of this assignment is to provide an architectural framework which ensures interoperability of e-service. In other way, we can say that using this framework two e-service can talk each other and exchange data between them. We can call it **Enterprise Integrator (EI)** which connect e-service under one umbrella. This framework also have a central authentication system for government employee to use e-service. Along with government employee authentication this framework will also authorize e-service to use this platform through **OAuth 2.0 protocol**. This authentication & authorization mechanism will be controlled through group of servers which is call **identity server (IDP)**. This framework will increase software reusability & interoperability in component level through **core service** and **shared service**. Here software component will be exposed as service.

Core Service

Core service is defined as common reusable component of eservice which is used by almost all eservice developed/used by Bangladesh government which is shared to eservice as reusable component as service. OISF will do all kind of maintenance on core service and eservice connected to OISF will use core service. Core service list is provided in standards portal.

Core service includes

1. Single-Sign-On (SSO)
2. Geo
3. Employee Profile Information
4. Office Information

Single-Sign-On (SSO):

Sign on is an authentication process where generally users enter their username and password to access a particular application. With single sign on a user can access multiple application by signing on to only one application. If anyone login to Nothi system then if he need to access GRS system then he will be able to access GRS from Nothi without login again for GRS system.

To know about details of architectural of single-sign-on (SSO), please go through

1. SSO_Architectural_Diagram.pdf
2. SSO_Integration_Manual(Technical).docx
3. User Manual.pdf

To integrate with OISF, we have to consider application from two aspect

1. Prospective e-service which will be developed in future
2. Already development e-service

Here major concern point is user base.

Prospective e-service which will be developed in future

As it will be developed in future, this e-service will follow uniform data structure to integration. Existing user base will be used here. No user mapping need to be used. Here user post will be determine by office_unit_organogram_id of employee_office table. If status=1 then it is current post otherwise it will be treat as history.

Already development e-service

 For already developed system, each e-service need to have a mapping table which will mapped OISF user base with corresponding e-service user base. e.g. 100000006060 is OISF userId which is Mr. Shahabuddin Ahmed. If this user name is shahabuddin@gmail.com in e-service -1. Then we need to map 100000006060 to shahabuddin@gmail.com with his current post.

Geo

Geo service of OISF is containing all geo information (division to union) of Bangladesh with BBS code. For details, please go through core service of standards portal. Please go through

1. Geo.docx

Employee Profile

Employee profile contains basic information of all employees of Bangladesh government. . For details, please go through core service of standards portal. Please go through

1. Employee.docx

Office Information

Office information service contains basic information of offices of Bangladesh government with organogram. . For details, please go through core service of standards portal. Please go through

1. Office.docx

To access API of core service please go through

1. Generic API.pdf

To know how security is ensured, please go through

1. Services Security Specs .docx

Shared Service

Share service may be defined as reusable software component developed by eservice other than OISF which is published through OISF as service to be used by eservice of Bangladesh as per need. For details of shared service please go through shared service of standards portal.

http://doptor.gov.bd/newportal/

OISF Compliance Criteria:

To comply with OISF, following stuff need to maintain in eservice development & implementation

1. Must be connected with Single-Sign-On (SSO), eco system of OISF.
    a. Eservice must follow one user ID, one URL & many service concept of OISF.
    b. To authenticate any user (government employee) to access any eservice, that user must be authenticated from central authenticated system of OISF. Authentication is provided from identity server of OISF.
    c. User (government employee) must put credential information one and only in credential page of identity server. Any other form/page must not be used to take user credential to ensure security.
    d. SSO widget should be put in top header of page so that it is clearly visible to user.
2. Must be follow data standards mentioned in OISF.
    a. To hold office information, eservice must hold at least all information mentioned in OISF data standards of office information.
    b. To hold Employee profile information, eservice must hold at least all information mentioned in OISF data standards of employee profile information.
    c. To hold geo (division to union) information, eservice must hold at least all information mentioned in OISF data standards of geo data standards.
3. To integrate with OISF & other eservice, must follow integration standards mentioned in OISF.
4. Eservice recommend to follow deployment standards mentioned in OISF.
5. Eservice recommend to follow application standards mentioned in OISF.
6. Eservice must follow biometric standards mentioned in OISF to hold biometric information.
7. Eservice must follow payment standards mentioned in OISF to hold payment related information.
8. Eservice must follow CCDS standards to hold citizen information.