



Ministry of Housing and Urban Affairs  
Government of India



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ET Panache

# National Urban Digital Mission

Building cities that work for people

The background of the slide is a collage of three photographs. The leftmost photo shows a man with a mustache, wearing a light-colored striped shirt, smiling and counting a stack of Indian Rupee banknotes. The middle photo shows a family of three: a woman in a pink sari, a woman in a purple sari, and a man in a light blue shirt, all smiling. The rightmost photo shows a man in a blue and red jacket standing in a crowd, looking towards the camera. A semi-transparent grey banner with a thin orange vertical line on the left side is overlaid across the middle of the collage.

# Role Access Mapping

# Outline

1. Overview
2. Adding Roles to the System
3. Adding New APIs for Access
4. Mapping Roles with APIs
5. Mapping User to a Role

# Overview

UPYOG is API based Platform here each API is denoting to a UPYOG resource. Access Control Service (ACS) primary job is to authorise end-user based on their roles and provide access to the UPYOG platform resources. Access control functionality basically works based on below points:

**Actions:** Actions are events which are performed by a user. This can be an API end-point or Frontend event. This is MDMS master.

**Roles:** Role are assigned to the user, a user can hold multiple roles. Roles are defined in MDMS masters.

**Role-Action:** Role actions are mapping b/w Actions and Roles. Based on role, action mapping access control service identifies applicable action for the role.

## Adding Roles to the System

The roles are configured at MDMS master under the folder name ACCESSCONTROL-ROLES in the file roles.json. Following are sample for adding new role,

```
{  
  "code": "EMPLOYEE",  
  "name": "Employee",  
  "description": "Default role for all employees"  
}
```

## Adding New APIs for Access

```
{  
  "id": {{ACTION_ID}}, - Unique ID  
  "name": "Create TradeLicense", - Description of API  
  "url": "/tl-services/v1/_create", -  
  "parentModule": "",  
  "displayName": "Create TradeLicense",  
  "orderNumber": 0,  
  "enabled": false,  
  "serviceCode": "tl-services",  
  "code": "null",  
  "path": ""  
}
```

By default the added end-point is secured one, if we want make open end-point (Skip Authentication) or partially secured then we need to add in [environment](#) file level under zuul

## Mapping Roles with APIs

```
{  
  "rolecode": "EMPLOYEE",  
  "actionid": {{ACTION_ID}},  
  "actioncode": "",  
  "tenantId": "pb"  
}
```



## Mapping User to a Role

While creating an employee in the system from HRMS Admin, the roles can be assigned to the employees based on the requirement. The roles added in mdms will show for “roles drop down” in employee create screen.





# Thank You

*“UPYOGal Transformation is more about humans than UPYOGal”*

