

Apply Trade License

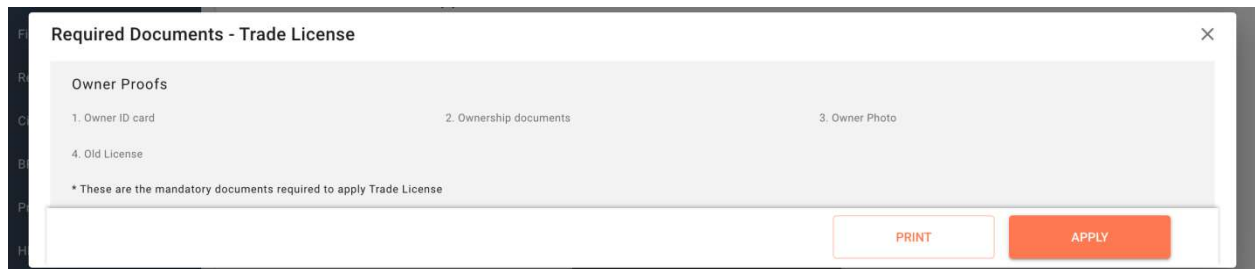
The trade license 'apply' is the major feature in TL Module. It allows Citizen or Counter Employee to create TL Applications for the current financial year.

Every application is a part of the workflow.

Stepper 1

When user tries to create new TradeLicence, a popup comes upfront before navigating to the creation form. This popup tells about documents required to upload in the process so that user can collect those in advance.

This popup data is configurable in MDMS. On clicking Apply a MDMS call is made to get the required document information. This information is passed to the Popup.



An Apply button is located at the footer of this popup. Users can proceed to fill a new TradeLicence application on the clicking of this apply button. The code related to this popup is written in the apply.js file. below is the link to the file. This popup is integrated in search.js file please refer the below link and below image code.

Link : [frontend/search.js at master · egovernments/frontend](#)

```
},
roleDefinition: {      Nithin, 10 months ago • Initial Commit
  rolePath: "user-info.roles",
  path : "tradelicence/search?action=showRequiredDocuments"
},
},
},
pendingApprovals,
tradeLicenseApplication,
breakAfterSearch: getBreak(),
searchResults
},
},
},
adhocDialog: {
  uiFramework: 'custom-containers',
  componentPath: 'DialogContainer',
  props: {
    open: getQueryArg(window.location.href, "action")==='showRequiredDocuments'?true:false,
    maxWidth: false,
    screenKey: 'search',
    reRouteURL: '/tradelicence/search'
  },
},
},
```

In this configuration we need are triggering also from the side menu and quick action so for this cases we need a mdms configuration please refer the below mdms file.

link: [punjab-mdms-data/actions-test.json at master · egovernments/punjab-mdms-data](https://github.com/egovernments/punjab-mdms-data/blob/master/punjab-mdms-data/actions-test.json)
please check the below image for the mdms config to trigger the ashocDialog for the quick action and side menu action click.

```
{
  "id": 1841,
  "name": "TradeLicenseApplication",
  "url": "url",
  "displayName": "Apply",
  "orderNumber": 13,
  "parentModule": "",
  "enabled": true,
  "serviceCode": "TradeLicense",
  "code": "null",
  "navigationURL": "tradelicence/search?action=showRequiredDocuments",
  "path": "TradeLicense.Apply",
  "leftIcon": "places:business-center",
  "isRequiredDocument": true
},
```

Below is the MDMS call configuration is in the beforeInitScreen method of the search page you have to import the common util method of getRequiredDocData from the common.js file and has to call from the beforeInitScreen with the required document as mention in the image below.

```
const moduleDetails = [
  {
    moduleName: 'TradeLicense',
    masterDetails: [{ name: 'Documents' }]
  }
];
getRequiredDocData(action, dispatch, moduleDetails, true);
```

Stepper 2

<https://egov-micro-qa.egovernments.org/employee/tradelicence/apply?tenantId=pb.amritsar>

Source path: [frontend/tradeDetails.js at master · egovernments/frontend](https://github.com/egovernments/frontend/blob/master/frontend/tradeDetails.js)

All drop down data are mapped through MDMS response.

For to display MDMS data we have common container in UI Framework ("DynamicMdmsContainer").

In Trade License : We used common container for Trade Category , Trade Type , Trade Sub Type , Structure Type and Sub Structure Type, Ownership , and Sub Ownership .

Sample JSON for Structure Type and Sub Structure Type:

```

1 dynamicMdmsStructureType : {
2   uiFramework: "custom-containers",
3   componentPath: "DynamicMdmsContainer",
4   props: {
5     dropdownFields: [
6       {
7         key : 'structureType',
8         isDisabled:getQueryArg(window.location.href, "action") === "EDITRENEWAL"? true:false
9       },
10      {
11        key : 'structureSubType',
12        callBack : structureSubTypeChange
13      }
14    ],
15    moduleName: "common-masters",
16    masterName: "StructureType",
17    rootBlockSub : 'structureTypes',
18    callBackEdit: updateStructureTypes
19  }
20 }

```

Example:

jsonPath , **sourceJsonPath** are created as a dynamic in ("DynamicMdmsContainer") based on module name and rootBlockSub , Key .

jsonPath is used to store the data in specified path when clicking event triggers or on handleFieldChange.

sourceJsonPath is the path where the data is fetched to populate in the dropdown.

MDMS Data

Structure Type and Sub Structure Type field data is fetched from [egov-mdms-data/StructureType.json](#) at master · egovernments/egov-mdms-data

Trade Category, Trade Type, Trade Sub Type field data is fetched from [egov-mdms-data/TradeType.json](#) at master · egovernments/egov-mdms-data

Mohalla Data - [egov-mdms-data/boundary-data.json](#) at master · egovernments/egov-mdms-data
(For Amritsar)

Accessories - [egov-mdms-data/AccessoriesCategory.json](#) at master · egovernments/egov-mdms-data

Stepper 3

Source path: [frontend/tradeOwnerDetails.js](#) at master · egovernments/frontend

The screenshot shows a three-step stepper interface for 'Trade Owner Details'. Step 1, 'Trade Details', is marked with a green checkmark. Step 2, 'Owner Details', is marked with a red '2' and is the active step. Step 3, 'Documents', is marked with a grey '3'. The form in Step 2 contains the following fields:

- Type Of ownership ***: A dropdown menu with 'Individual' selected.
- Type of sub-ownership ***: A dropdown menu with 'Single Owner' selected.
- Owner Information** (shaded box):
 - Mobile No. ***: A text input field with a search icon and an information icon.
 - Father/Husband's Name ***: A text input field.
 - Gender ***: A dropdown menu with 'Select Gender' selected.
- Name ***: A text input field.
- Relationship ***: Radio buttons for 'Father' and 'Husband'.
- Date of Birth ***: A text input field with the format 'dd/mm/yyyy'.

Type of Ownership and Type of Subownership - [egov-mdms-data/OwnerShipCategory.json](#) at master · egovernments/egov-mdms-data [egov-mdms-data/OwnerType.json](#) at master · egovernments/egov-mdms-data

The owner data is fetched once the Mobile Number field is filled and made a search call on user-service.

Apply Footer

[frontend/footer.js](#) at master · egovernments/frontend

```

nextButton: {
  componentPath: "Button",
  props: {
    variant: "contained",
    color: "primary",
    style: {
      minWidth: "180px",
      height: "48px",
      marginRight: "45px",
      borderRadius: "inherit"
    }
  },
  children: {
    nextButtonLabel: getLabel({
      labelName: "Next Step",
      labelKey: "TL_COMMON_BUTTON_NXT_STEP"
    }),
    nextButtonIcon: {
      uiFramework: "custom-atoms",
      componentPath: "Icon",
      props: {
        iconName: "keyboard_arrow_right"
      }
    }
  }
}

```

The Next and Previous buttons are configured this son file.

Tradelicence create call is triggered on 2nd stepper's **Next** button onclick().

Stepper 4

Source Path: [frontend/documentDetails.js at master · egovernments/frontend](#)

Apply for New Trade License

Application No. PB-TL-2020-05-23-006604



Trade Details



Owner Details



Documents

Required Documents

Only one file can be uploaded for one document. If multiple files need to be uploaded then please combine all files in a pdf and then upload



Owner's ID Proof*

Allowed documents are Aadhar Card / Voter ID Card / Driving License
Only .jpg and .pdf files. 6MB max file size.

1578480801880CONSOLIDATEDRE

2

Ownership Proof*

Allowed documents are Rent Deed / Lease Doc / Property Registry / General or Special Power of Attorney
Only .jpg and .pdf files. 6MB max file size.

Mdms data : [egov-mdms-data/documentObj.json](#) at master · [egovernments/egov-mdms-data](#)

The data formatting logic is as shown below. `getDocList(state, dispatch);` in [frontend/index.js](#) at [master · egovernments/frontend](#)

```

export const getDocList = (state, dispatch) => {
  const tradeUnits = get(
    state.screenConfiguration.preparedFinalObject,
    "Licenses[0].tradeLicenseDetail.tradeUnits[0]"
  );
  const documentObj = get(state.screenConfiguration.preparedFinalObject, "applyScreenMdmsData.Trade
  const documentTypes = get(state.screenConfiguration.preparedFinalObject, "applyScreenMdmsData.com
  const applicationType = getQueryArg(window.location.href, "action") === "EDITRENEWAL" ? "RENEWAL"
  const documentObjArray = documentObj && documentObj.filter(item => item.tradeType === tradeUnits.
  const filteredDocTypes = documentObjArray[0].allowedDocs.reduce((acc, item, index) => {
    documentTypes.find((document, index) => {
      if (document.code === item.documentType)
        acc.push({
          ...documentTypes[index]
        })
    });
    return acc;
  }, []);
  const applicationDocArray = filteredDocTypes && filteredDocTypes.reduce((result, item) => {
    const transformedDocObj = documentObjArray[0].allowedDocs.filter(docObj => docObj.documentType
    if (transformedDocObj.applicationType.includes(applicationType)) {
      result.push({
        code: item.code,
        maxFileSize: item.maxFileSize,
        required: transformedDocObj.required,
        formatProps: {
          accept: item.allowedFormat.join(",")
        },
        description: `COMMON_${item.code}_DESCRIPTION`,
        statement: `COMMON_${item.code}_STATEMENT`
      })
    }
  })
  return result;
}

```

Stepper 5

This is the Review/Summary screen - [frontend/tradeReviewDetails.js at master · egovernments/frontend](#)

Apply for New Trade License

Application No. PB-TL-2020-05-23-006604



Trade Details



Owner Details



Documents

Application Summary

Trade License Tax	200
Total Amount	200

[VIEW BREAKUP](#)

Update TradeLicence API - tl-services/v1/_update is called on SUBMIT.

Success Screen

Source path: [frontend/acknowledgement.js at master · egovernments/frontend](#)

Application for New Trade License



Application Submitted Successfully

A notification regarding Application Submission has been sent to trade owner at registered Mobile No.

PB-T



DOWNLOAD CONFIRMATION FORM



PRINT CONFIRMATION FORM

Search-Preview

Source Path: [frontend/search-preview.js at master · egovernments/frontend](#)

To load search preview page egov-workflow-v2/egov-wf/process/_search?businessIds=PB-TL-2020-05-23-006604&history=true&tenantId=pb.amritsar API should return workflow history.

The topmost card is mainly rendered using the workflow response. [frontend/index.js at master · egovernments/frontend](#)

Trade License Application

Application No. PB-TL-2020-05-23-006604

DOWN

Task Status

Date	Updated By	Status	Current Owner	Comments
23/05/2020	Employee 1	Pending for Document verification	NA	

Owner's ID Proof
1578480801880consolidatedreceipt-1578480801840.pdfVIEW

Owner's Photo
1585054492637consolidatedreceipt-1585054492500.pdfVIEW

Ownership Proof
1585056238210tradelicense-receipt-1585056238082.pdfVIEW

Trade License Tax	200
-------------------	-----

View History Buttons gives the list of workflow actions performed on the application.

Trade License Application

Task Status

1 Initiated

Date	Updated By	Status	Current Owner	Comments
23/05/2020	Employee 1	Initiated	NA	

2 Pending for Document verification

Date	Updated By	Status	Current Owner	Comments
23/05/2020	Employee 1	Pending for Document verification	NA	

Owner's ID Proof
1578480801880consolidatedreceipt-1578480801840.pdfVIEW

Owner's Photo
1585054492637consolidatedreceipt-1585054492500.pdfVIEW

Ownership Proof
1585056238210tradelicense-receipt-1585056238082.pdfVIEW

Trade Licence Workflow

Role	Credentials	Action	Next State	Status
Citizen/Counter Employee/TL_CEMP	EMP1 / Citizen / TLCEMP01	INITIATE	INITIATED	INITIATED
Citizen/Counter Employee/TL_CEMP	EMP1 / Citizen	APPLY	Applied/ DOCUMENTVERIFICATION	Pending for Document Verification
TL_DOC_VERIFIER	EMP1	FORWARD	FIELDVERIFICATION	Pending for Field Verification
TL_FIELD_VERIFIER	EMP1	FORWARD	PENDINGAPPROVAL	Pending for Approval
TL_Approver	EMP1	APPROVE	PENDINGPAYMENT	Pending for Payment
Citizen/Counter Employee/TL_CEMP	EMP1 / TLCEMP01	PAY	Approved	Approved

API Call Role Action Mapping

S.No.	API	Action id	Roles
1	/egov-mdms-service/v1/_search	954	LOA_CREATOR,SUPERUSER,WO_CREATOR,AE_CREATOR,WORKS_MASTER_CREATOR,
2	/tl-calculator/billingslab/_search	1684	SUPERUSER,EMPLOYEE,CITIZEN,TL_APPROVER,TL_CEMP
3	/egov-location/location/v11/boundarys/_search	1429	EMPLOYEE,CITIZEN,GRO,PGR-ADMIN,CSR,TL_APPROVER,TL_CEMP,SUPERUSER,DE_CREATOR,
4	/user/_search	604	SUPERUSER,SYS_INTEGRATOR_FINANCE,SYS_INTEGRATOR_WATER_SEW,EGF_BILL_CREATOR,EMPLOYEE,EMPLOYEE_FINANCE,
5	/tl-services/v1/_create	1685	EMPLOYEE,CITIZEN,TL_APPROVER,TL_CEMP
6	/filestore/v1/files/url	1528	SUPERUSER,EMPLOYEE,CITIZEN,GRO,DGRO,

7	/billing-service/bill/v2/_fetchbill	1862	EMPLOYEE,CITIZEN
8	/tl-calculator/v1/_getbill	1688	EMPLOYEE,CITIZEN,TL_APPROVER,TL_CEMP
9	/tl-calculator/billingslab/_search	1684	SUPERUSER,EMPLOYEE,CITIZEN,TL_APPROVER,TL_CEMP
10	/tl-services/v1/_update	1686	EMPLOYEE,CITIZEN,TL_APPROVER,TL_CEMP,TL_DOC_VERIFIER,TL_FIELD_INSPECTOR
11	"tradelicence/search?action=showRequiredDocuments"	1841, 1929	ALL