**Import Documentation**

**Import**

To insert the data from an excel file to database using web API’s is said to Import data, in our application we have written the web API using asp.net core named as file upload to perform this task, and we are Importing the data into database as per the requirement.

**Controller Name – UtilityController.cs**

In utility controller, an action handler named as File Upload is responsible for the import files, it accepts **type** as parameters.

**Required parameter**

**Type**

In our application we have different types of files to Import respectively. So as per the requirement we have declared **type** as parameter to identify which file needs to Import accordingly.

**We have eight different types of files to import such as:**

**Type 1: Risorse [**userimport **]**

Filename : Estrazione Risorse - v1

Stored Procedure: ImportUser

**Type 2: Organigrammi** **[**cos import**]**

FileName : Estrazione Organigramma - v1

Stored Procedure: COSUpdateData

**Type** **3**: **Consuntivi Zucchetto per Progetto** [Cost phasing import]

Filename : Consuntivi\_Zucchetti\_New -v1

Stored Procedure: ImportCostPhasing

***Type 4: Board : ricavi*** *[revenue cost account import]]*

*Filename****:*** *elenco\_MIR – v1*

*Stored Procedure: importrevenueaccountcodes*

***Type 5: Board : costi***  *[cost account code opex import]*

*Filename****:*** *elenco\_ASA-v1*

*Stored Procedure: ImportCostAccountCodeOpex*

**Type 6**: **Board : investimenti** [cost account code capex import]

Filename **:** VOCI\_investimento\_aperte\_su\_progetto\_cod\_dsc – v1

Stored Procedure: ImportCostAccountCodeCapex

**Type 7: cespiti [ cespiti]**

Filename: [cespiti]

Stored Procedure: ImportCespiti

**Type-8: Elenco OKR[okr import]**

Filename:[ OKR – v1]

Stored Procedure: ImportOKR

To make my understanding well, I have provided with the excel templates of each above-mentioned types. these templates define the requirement of user, such as the number of required columns to import into database and mapped to the desired given column name.

All the required columns mentioned in below excel templates is needed to upload into database as per the given desired name using the template types. We have written queries and stored procedures to upload the column data from given templates respectively with the help of joins.

**Type’s Templates**

To import the data into database we have written the stored procedures respectively, to insert, update, delete data and get updated with the number of errors occurred in record maintained with log table. it consists of some temporary and Master tables which are mentioned below:

**Type 1:** **Risorse**

|  |  |
| --- | --- |
| orId | orgId |
| ntCode | Username |
| employeeSurname | lastName |
| employeeName | firstName |
| employeeEmail | emailId |
| employeeOfficeSubjectId | IdH20/Reference code |
| State | State details |
| Role | userRole |
| Contract | Contract |
| employeeCode | employeeCode |
| employeeOfficeCdrCode | employeeOfficeCdrCode |
| employeeOfficeDesc | employeeOfficeDesc |
| bankSocDesc | Bank soc description |

**Temporary tables -:**

* Log
* role
* AddResource
* temp\_importuser

**Master table**-:

* UTEN\_T017
* Mapping\_COS\_USER
* ASCN\_UTEN\_OBS
* ASCN\_GRP\_UTEN\_T020
* ASCN\_Group\_OBS
* TAB\_DIP
* ASCN\_UTEN\_AZD\_T205
* TAB\_RELEASE
* LIGHT\_CALENDARS
* LIGHT\_CALENDARS\_EXCEPTIONS

**Type 2 :** **Organigrammi**

|  |  |
| --- | --- |
| COD\_SOCIETA | Code of Cos level one |
| DSC\_SOCIETA | Description of cos level one |
| COD\_AREA\_BUSINESS | Code of cos level two |
| DSC\_AREA\_BUSINESS | Description of cos level two |
| COD\_AREA\_ATTIVITA | Code of cos level three |
| DSC\_AREA\_ATTIVITA | Description of cos level three |
| COD\_AREA\_INTERMEDIA | Code of cos level four |
| DSC\_AREA\_INTERMEDIA | Description of cos level four |
| ID\_SOGGETTO | code of cos level five |
| DSC\_SOGGETTO | Description of cos level five |
| COD\_ESTERNO | COD\_ESTERNO |
| ID\_H2O | ID\_H2O/reference id of user association with cos node |
| RESP | Username assigned with manager role |
| RESP\_LVL | Cos level of users |
| VICE\_RESP | Username assigned with vice manager role. |

**Temporary Tables**

* TebleElement1
* tempL2
* tempL3
* tempL4
* tempL5
* fithLabelData
* fithLabelDatadeleted
* DELETEDCELEMENT
* CosOrganizationStructure$
* tempDepartmentStore
* tempDistinctProjPelement
* updatecustomvalues
* tempParking
* tempParkingIN
* tempCprogDatamaintain
* tempCuten1

**Master Tables**

* TAB\_CUSTOM\_TABLE\_DATA
* CosOrganizationStructurePermanent
* SEQUENCES
* STRU\_SIST\_T094
* ASCN\_OBS\_MASTER
* TAB\_DEPARTMENTS
* Mapping\_COS\_USER
* ASCN\_OBS\_PROG
* BPM\_OBJECTS
* ASCN\_Group\_OBS
* ASCN\_UTEN\_OBS
* OBJECTIVEMAPPING

**Type 3: [Consuntivi Zucchetti per Progetto]**

|  |  |
| --- | --- |
| CLASSIFICAZIONE\_COGE | CLASSIFICAZIONE\_COGE |
| PROGETTO | Project Code |
| GENNAIO | Cost in January |
| FEBBRAIO | Cost in February |
| MARZO | Cost in March |
| APRILE | Cost in April |
| MAGGIO | Cost in May |
| GIUGNO | Cost in June |
| LUGLIO | Cost in July |
| AGOSTO | Cost in August |
| SETTEMBRE | Cost in September |
| OTTOBRE | Cost in October |
| NOVEMBRE | Cost in November |
| DICEMBRE | Cost in December |
| ANNO | Annual year |
| FORNITORE\_CODICE | Fornitore code |
| FORNITORE\_DESCRIZIONE | Fornitore description |
| DATA\_RIFERIMENTO | DATA\_RIFERIMENTO |

**Temporary tables**

* InsertCodes
* Log

**Master tables:**

* BPM\_OBJECTS
* CLASSE\_DI\_COSTO\_T043
* CLI\_T023
* Cost\_Rev\_Asso\_Task
* MSP\_TASKS
* Tab\_Cost\_Actual\_Phasing
* Tab\_Cost\_Work\_Phasing
* ImportCostPhasing\_Log

**Type 4 : Board : ricavi**

|  |  |
| --- | --- |
| Code | Revenue Code |
| Description | Revenue Description |

**Temporary tables -:**

* Log
* InsertCodes
* UpdateCodes
* DeleteCodes

**Master table**-:

* + - CLASSE\_DI\_COSTO\_T043
    - ImportCostAccountCodeOpex\_Log
    - DEMAND\_MAP\_COSTACCOUNT

**Type 5: Board : costi**

|  |  |
| --- | --- |
| Code | Cost Account Code opex |
| Description | Cost Account Description opex |

**Temporary tables -:**

* Log
* InsertCodes
* UpdateCodes
* DeleteCodes

**Master table**-:

* + - CLASSE\_DI\_COSTO\_T043
    - ImportCostAccountCodeOpex\_Log
    - DEMAND\_MAP\_COSTACCOUNT

**Type 6** : **Board : investimenti**

|  |  |
| --- | --- |
| Code | Cost Account capex Code |
| Description | Cost Account capex Description |

**Temporary tables -:**

* Log
* InsertCodes
* UpdateCodes
* DeleteCodes

**Master table**-:

* + - CLASSE\_DI\_COSTO\_T043
    - ImportCostAccountCodeOpex\_Log
    - DEMAND\_MAP\_COSTACCOUNT

**Type 7:[Cespiti]**

|  |  |
| --- | --- |
| Società | Cos node Code of level one |
| ID\_Soggetto | Cos node Code of level five |
| Key | Key |
| Progetto ID | Project code |
| Val.Amm.le | Val.Amm.le |
| Num.Doc. | Num.Doc. |
| Data Doc | Data Doc |
| inizio competenza | inizio competenza |
| fine competenza | fine competenza |
| Fornitore | Fornitore |
| Descriz fornitore | Descriz fornitore |

**Temporary tables -:**

* Log
* InsertCaspiti
* UpdateCaspiti

**Master table**-:

* Cespiti

**Type: 8 [Elenco OKR]**

|  |  |
| --- | --- |
| Extraction \_Date | Extraction \_Date |
| Company | Company Name |
| Objective \_Name | Objective \_Name |
| Objective \_ID | Objective \_ID |
| Objective \_period | Objective \_period( Q1,Q2,Q3,etc) |
| Objective \_Owner \_Name | Objective \_Owner \_Name |
| Team \_ID | Team \_ID |
| Team \_Name | Team \_Name |
| KR \_ID | KeyResult \_ID |
| KR \_Period | KeyResult \_Period |
| KR \_Name | KeyResult \_Name |
| KR \_Owner \_Name | KeyResult \_Owner \_Name |
| KR\_Progress | KR\_Progress |
| KR \_Goal | KR \_Goal |
| U.M. | Unit Measure |
| KR\_Confidence | KR\_Confidence |
| KR \_Last \_Updated | KR \_Last \_Updated |
| KR \_Source | KR \_Source |

**Temporary Tables**

* InsertOKR

**Master Tables**

* temp\_ImportOKR
* TAB\_STRATEGY
* STRU\_SIST\_T094
* BPM\_OBJECTS
* UTEN\_T017
* OKRCYCLE
* OBJECTIVEMAPPING
* KEYRESULTSMAPPING
* TAB\_DOCUMENTS
* BPM\_COLLAB\_REL