

Meta&Data manager version upgrade

1. In order to update the AUTHDB, DDB and RMDB databases for the software's version upgrade purpose, must be sequentially executed for each database the sql update scripts, available under the `./files/UpdateScript` folder of the package, whose file name refers to the software versions major than the initial version and minor or equal to the target version.
For updating the Mapping Store (MASTORE) database to the version compliant to the 8.4.1 versions of the NSI_WS and MA_WS services, please open the command line tool under the `./files/NSIWS_Tools_Upgrade_8_4_1` folder and launch the following command
`Estat.Sri.Mapping.Tool.exe upgrade -m connection_string_name -t latest`
after having set the connection string parameters under the <connectionStrings> tag section of the `Estat.Sri.Mapping.Tool.dll.config` file for the appropriate database type (Sql server, Oracle – odp or MariaDb - Mysql) .
2. After having updated the versions of the AUTHDB,DDB,RMDB,MAPPINGSTORE databases, is possible to overwrite the folders of the application (client and web services) with the corresponding folders contained in the `./app_upgrade` (that don't contain any configuration file)

Warning: Before overwriting the folders and updating the databases, please MAKE BACKUP COPIES them. Indeed the content of the `./app_upgrade/client/static` folder will overwrite also the following subfolders/files that can have been customized in the previous versions: the `./app_upgrade/client/static/locales` subfolder(containing the translations of the various folders that can contain additional items in the new version than the previous versions), the `./app_upgrade/client/static/css` and the `./app_upgrade/client/static/js` subfolders, the `favicon.ico`. For these files/folders is necessary to re-apply the customizations performed in the previous versions of the software.

3. For upgrading the application from a software version previous than the 1.5.1 the following steps must be performed:
 - a) execute the following query in the AUTHDB: `DELETE FROM AUTH_DB_CONNECTION; DELETE FROM AUTH_CONNECTION_STRING;`
 - b) save the node from the Node - Configuration page
4. In order to upgrade the application from a version previous than the 1.5.3, as indicated in the point 1, the `./files/UpdateScript/DDB_UpdateVers1.5.3.sql` script must be executed in the DDB. The same script should be executed when using a version previous than the 1.5.3 with datasets with sub-annual frequency referencing year 2021 or later.
5. In order to upgrade the application from a software version previous to 1.8.0 the `main\files\UpdateScript\AUTHDB_UpdateVers1.8.0.sql` script must be executed in the AUTHDB.
6. version 1.9.0 introduces some breaking changes in configurations and databases. These steps must be followed in order to update a previous MDM version:
 - scripts `DDB_UpdateVers1.9.0.sql`, `RMDB_UpdateVers1.9.0` and `MSDB_UpdateVers1.9.0.sql` must be executed in the correspondent DB
 - file `main\app\ws\NODE_API\config\nodesConfigDefault.json` must be added
 - in `main\app\ws\NODE_API\appsettings.json` the following lines must be added at base level:

`"NODES_DEFAULT_CONFIG_PATH": "config/nodesDefaultConfig.json",`

`"PasswordRequiredLength": 12,`

```
"PasswordRequireNonAlphanumeric": true,  
"PasswordRequireNonAlphanumericChars": "$@!%*?&",  
"PasswordRequireLowercase": true,  
"PasswordRequireUppercase": true,  
"PasswordRequireDigit": true,  
"PasswordCheckUserid": true,  
"PasswordCheckPrevious": true
```

- in *main\app\ws\NODE_API\config\appConfig.json* the following line must be added in "User Interface" section:

```
"DefaultSidebar2ndLevelMenu": false,
```

- Nodes' configuration should be redefined from scratch deleting all existent nodes. Alternatively in *main\app\ws\NODE_API\config\nodesConfig.json* nodes' annotation configuration section must be changed with the following lines:

```
"Annotations": {  
  "HaveMetadata": {  
    "Id": "HAVE_METADATA",  
    "Type": "HAVE_METADATA"  
  },  
  "DDBDataflow": {  
    "Id": "DDBDataflow",  
    "Type": "DDBDataflow"  
  },  
  "Metadataset": {  
    "Id": "AssociatedMetadataSet",  
    "Type": "AssociatedMetadataSet"  
  },  
  "AssociatedCube": {  
    "Id": "AssociatedCube",  
    "Type": "AssociatedCube"  
  },  
  "CustomDSD": {  
    "Id": "CustomDSD",  
    "Type": "CustomDSD"  
  },  
  "Changed": {  
    "Id": "CHANGED",  
    "Type": "CHANGED"  
  },  
  "LayoutRow": {  
    "Id": "LAYOUT_ROW",  
    "Type": "LAYOUT_ROW"  
  },  
  "LayoutColumn": {  
    "Id": "LAYOUT_COLUMN",  
    "Type": "LAYOUT_COLUMN"  
  },  
  "LayoutRowSection": {  
    "Id": "LAYOUT_ROW_SECTION",
```

```

    "Type": "LAYOUT_ROW_SECTION"
  },
  "LayoutFilter": {
    "Id": "LAYOUT_FILTER",
    "Type": "LAYOUT_FILTER"
  },
  "NotDisplayed": {
    "Id": "NOT_DISPLAYED",
    "Type": "NOT_DISPLAYED"
  },
  "FullName": {
    "Id": "FULL_NAME",
    "Type": "FULL_NAME"
  },
  "Default": {
    "TimePeriodStart": "TIME_PERIOD_START",
    "TimePeriodEnd": "TIME_PERIOD_END",
    "LastNObservation": "LASTNOBSERVATION",
    "LastNPeriod": "LASTNPERIOD",
    "Id": "DEFAULT",
    "Type": "DEFAULT"
  },
  "ConceptSchemesOrder": {
    "Id": "ORDER",
    "Type": "ORDER"
  },
  "CategorySchemesOrder": {
    "Id": "ORDER",
    "Type": "ORDER"
  },
  "CodelistsOrder": {
    "Id": "ORDER",
    "Type": "ORDER"
  },
  "CategorisationsOrder": {
    "Id": "ORDER",
    "Type": "ORDER"
  },
  "AttachedFilePath": {
    "Id": "ATTACHED_FILE_PATH",
    "Type": "ATTACHED_FILE_PATH"
  },
  "RestrictedForPublication": {
    "Id": "RESTRICTED_FOR_PUBLICATION",
    "Type": "RESTRICTED_FOR_PUBLICATION"
  },
  "DCAT_IsMultilingual": {
    "Id": "SDMX21_IsMultilingual",
    "Type": "SDMX21_IsMultilingual"
  },
  "CustomIsPresentational": {
    "Id": "CUSTOM_IS_PRESENTATIONAL",

```

```

    "Type": "CUSTOM_IS_PRESENTATIONAL"
  },
  "LayoutDataflowKeywords": {
    "Id": "LAYOUT_DATAFLOW_KEYWORDS",
    "Type": "LAYOUT_DATAFLOW_KEYWORDS"
  },
  "LayoutCriteriaSelection": {
    "Id": "LAYOUT_CRITERIA_SELECTION",
    "Type": "LAYOUT_CRITERIA_SELECTION"
  },
  "LayoutAttachedDataFiles": {
    "Id": "LAYOUT_ATTACHED_DATA_FILES",
    "Type": "LAYOUT_ATTACHED_DATA_FILES"
  },
  "LayoutDefaultPresentation": {
    "Id": "LAYOUT_DEFAULT_PRESENTATION",
    "Type": "LAYOUT_DEFAULT_PRESENTATION"
  },
  "LayoutDecimalSeparator": {
    "Id": "LAYOUT_DECIMAL_SEPARATOR",
    "Type": "LAYOUT_DECIMAL_SEPARATOR"
  },
  "LayoutNumberOfDecimals": {
    "Id": "LAYOUT_NUMBER_OF_DECIMALS",
    "Type": "LAYOUT_NUMBER_OF_DECIMALS"
  },
  "LayoutReferenceMetadata": {
    "Id": "LAYOUT_REFERENCE_METADATA",
    "Type": "LAYOUT_REFERENCE_METADATA"
  },
  "LayoutEmptyCellPlaceholder": {
    "Id": "LAYOUT_EMPTY_CELL_PLACEHOLDER",
    "Type": "LAYOUT_EMPTY_CELL_PLACEHOLDER"
  },
  "LayoutDataflowNotes": {
    "Id": "LAYOUT_DATAFLOW_NOTES",
    "Type": "LAYOUT_DATAFLOW_NOTES"
  },
  "LayoutMaxTableCells": {
    "Id": "LAYOUT_MAX_TABLE_CELLS",
    "Type": "LAYOUT_MAX_TABLE_CELLS"
  },
  "LayoutTerritorialDimensionIds": {
    "Id": "LAYOUT_TERRITORIAL_DIMENSION_IDS",
    "Type": "LAYOUT_TERRITORIAL_DIMENSION_IDS"
  },
  "LayoutDataflowSource": {
    "Id": "LAYOUT_DATAFLOW_SOURCE",
    "Type": "LAYOUT_DATAFLOW_SOURCE"
  },
  "LastUpdate": {
    "Id": "LAST_UPDATE",

```

```

    "Type": "LAST_UPDATE"
  },
  "LinkedDataflowNode": {
    "Id": "LINKEDDATAFLOWNODE",
    "Type": "LINKEDDATAFLOWNODE"
  },
  "DataflowCatalogType": {
    "Id": "DataflowCatalogType",
    "Type": "DataflowCatalogType"
  },
  "LayoutChartPrimaryDim": {
    "Id": "LAYOUTCHARTPRIMARYDIM",
    "Type": "LAYOUTCHARTPRIMARYDIM"
  },
  "LayoutChartSecondaryDim": {
    "Id": "LAYOUTCHARTSECONDARYDIM",
    "Type": "LAYOUTCHARTSECONDARYDIM"
  },
  "LayoutChartFilter": {
    "Id": "LAYOUTCHARTFILTER",
    "Type": "LAYOUTCHARTFILTER"
  },
  "LayoutDataflowHidden": {
    "Id": "DATAFLOW_HIDDEN",
    "Type": "DATAFLOW_HIDDEN"
  },
  "TemporalDimOrder": {
    "Id": "TEMPORAL_DIM_ORDER",
    "Type": "TEMPORAL_DIM_ORDER"
  },
  "DisabledViewers": {
    "Id": "DISABLED_VIEWERS",
    "Type": "DISABLED_VIEWERS"
  },
  "TableLockedDims": {
    "Id": "TABLE_LOCKED_DIMS",
    "Type": "TABLE_LOCKED_DIMS"
  },
  "GraphLockedDims": {
    "Id": "GRAPH_LOCKED_DIMS",
    "Type": "GRAPH_LOCKED_DIMS"
  },
  "HCLReference": {
    "Id": "@SDMX",
    "Type": "HIER_CONTEXT"
  }
}

```

Including the most recent versions of the Eurostat's web services in Meta&Data manager

1. In case of first installation is possible to replace the Eurostat's NSI_WS and MA_WS ver. 8.4.1 services, whose files are located in the "*App_first_installation/ws*" subfolder, with the corresponding latest versions (8.15.1) located inside the "*./Net_Core_60*" folder. In order to run correctly, the latest versions of the services require, as a pre-requisite, the installation of the *.NET Core with Hosting Bundle ver. 6.0* or higher.
2. In case of upgrade of the already installed 8.4.1 versions of the NSI_WS and the MA_WS to the corresponding 8.15.1 versions, in addition to overwriting the service's files is necessary also to edit again the AUTHDB's and the MASTORE's connection strings in the related configuration files and is also necessary to update the MASTORE database: in order to perform the MASTORE update, follow the instructions indicated into the point 1.

Warning: Before updating the databases, please MAKE BACKUP COPIES of them

Application customization

Is possible to customize the following elements of the MDM application:

- The logo shown when the application is being loaded, by replacing the *loading-logo.png* image file in the *static/png* folder of the client with another image file having the same filename.
- The homepage content, that can be customized by editing (adding/changing) the localized files (one for each interface language), whose names are *<ISO_language_ID>.html* (i.e. *en.html*, *it.html*, *fr.html*,...)
- The logos shown in the application header, (the *header-logo.png* and *header-logo-mini.png* image files present in the *static/png* folder will be used: the first one will be visible when the side menu is expanded while the second when this is closed. In order to modify these logos it will therefore be sufficient to replace the corresponding files with new chosen images, keeping the name.
- The footer information (*Organization's name*, *Organization's full address*, *Organization's telephone*), that can be edited inside the */static/footer/index.html* file of the client
- The footer logo (file */static/png/ istat_logo_gray.png*), that can be modified by replacing the corresponding files with with a new chosen image, keeping the name.