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Fabi Analytics Deployment

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# Introduction

Fabi Analytics Application Deployment steps.

# Prerequisites

The server needs to the following things pre-installed

* Windows Server
* Windows Internet Information Server 10
* SQL 2019 – Any edition
* .Net Core Framework 3.1 Runtime Windows Hosting Bundle

<https://dotnet.microsoft.com/download/dotnet-core/thank-you/runtime-aspnetcore-3.1.10-windows-hosting-bundle-installer>

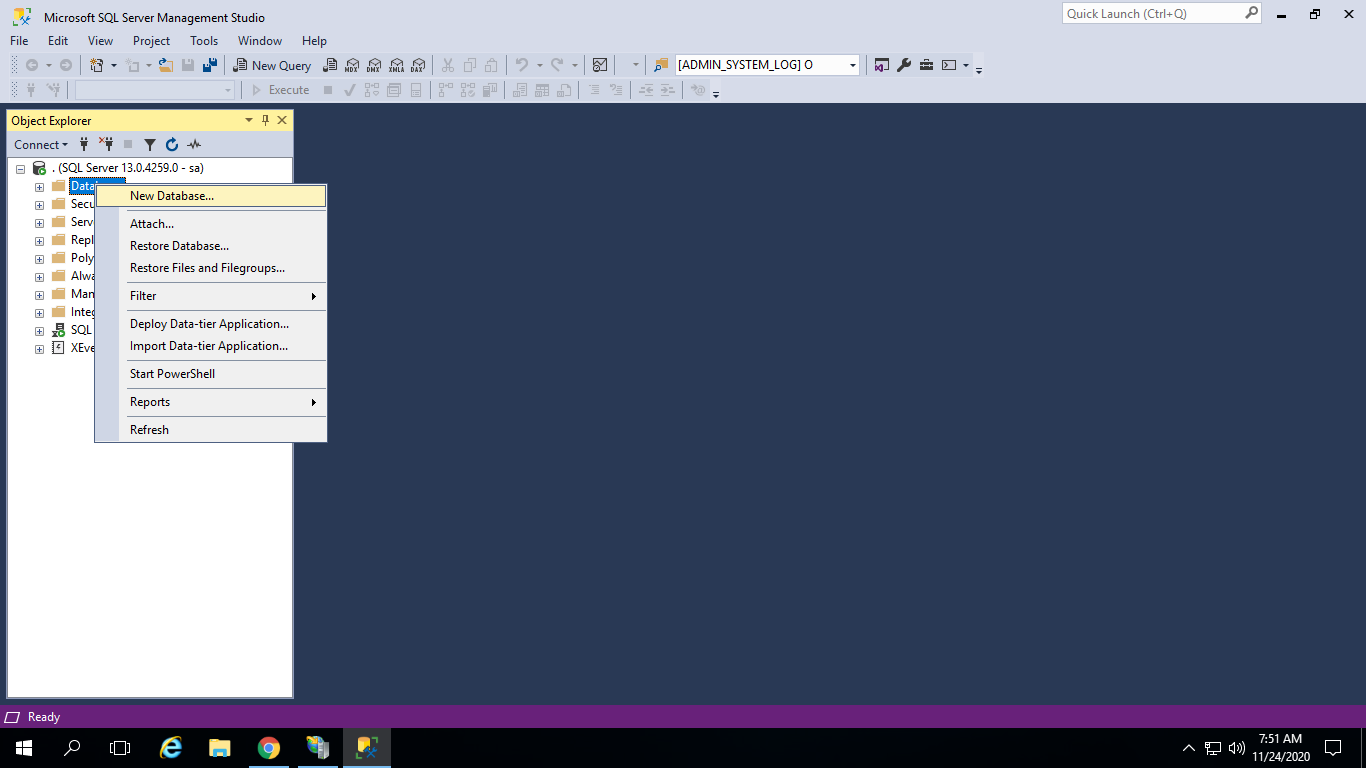
* Fabi Analytics Db installation Scripts (Tables.sql and Data.sql )
* Fabi Analytics Application deployment files

# Process

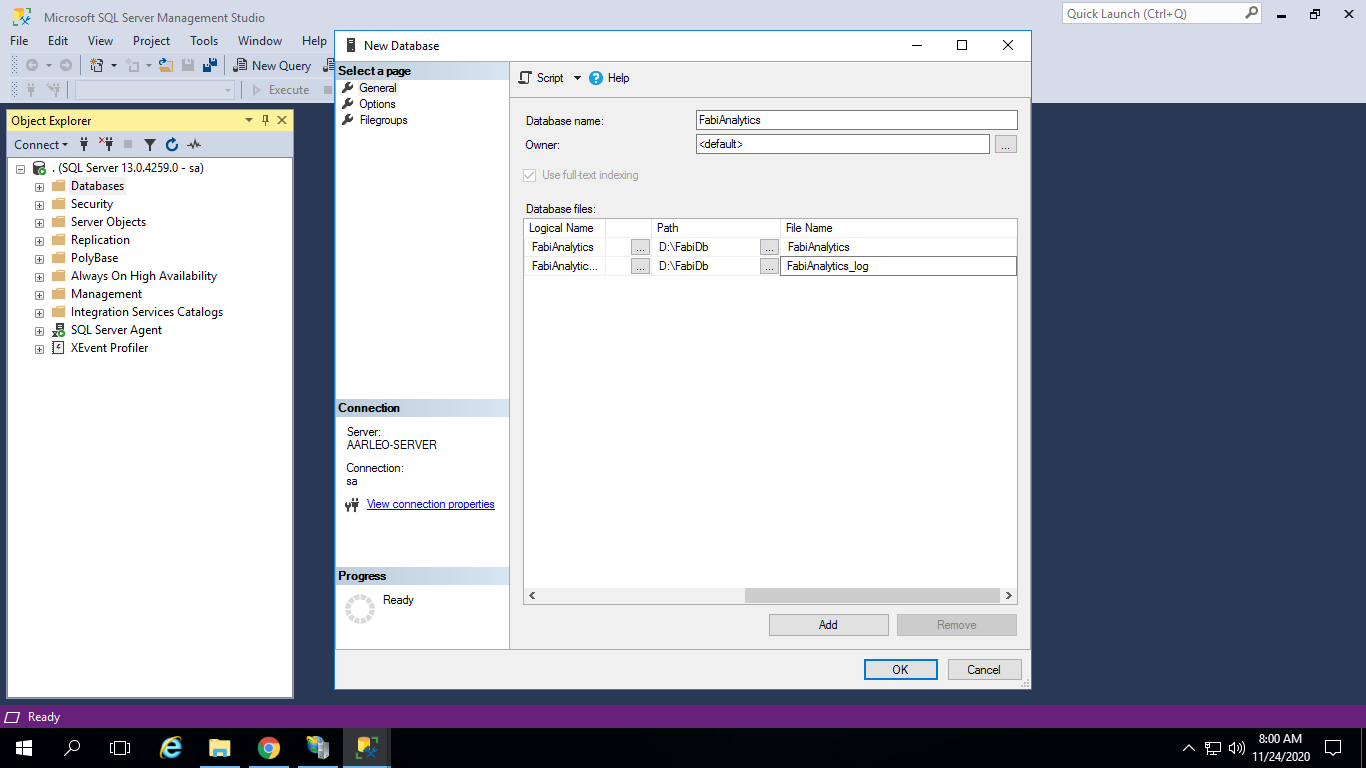
## Database

Following steps are to be followed.

* Open MSSQL Server Instance using Microsoft SQl Server Management Studio.
* Create New Database



* Provide database name, database path and database file name.

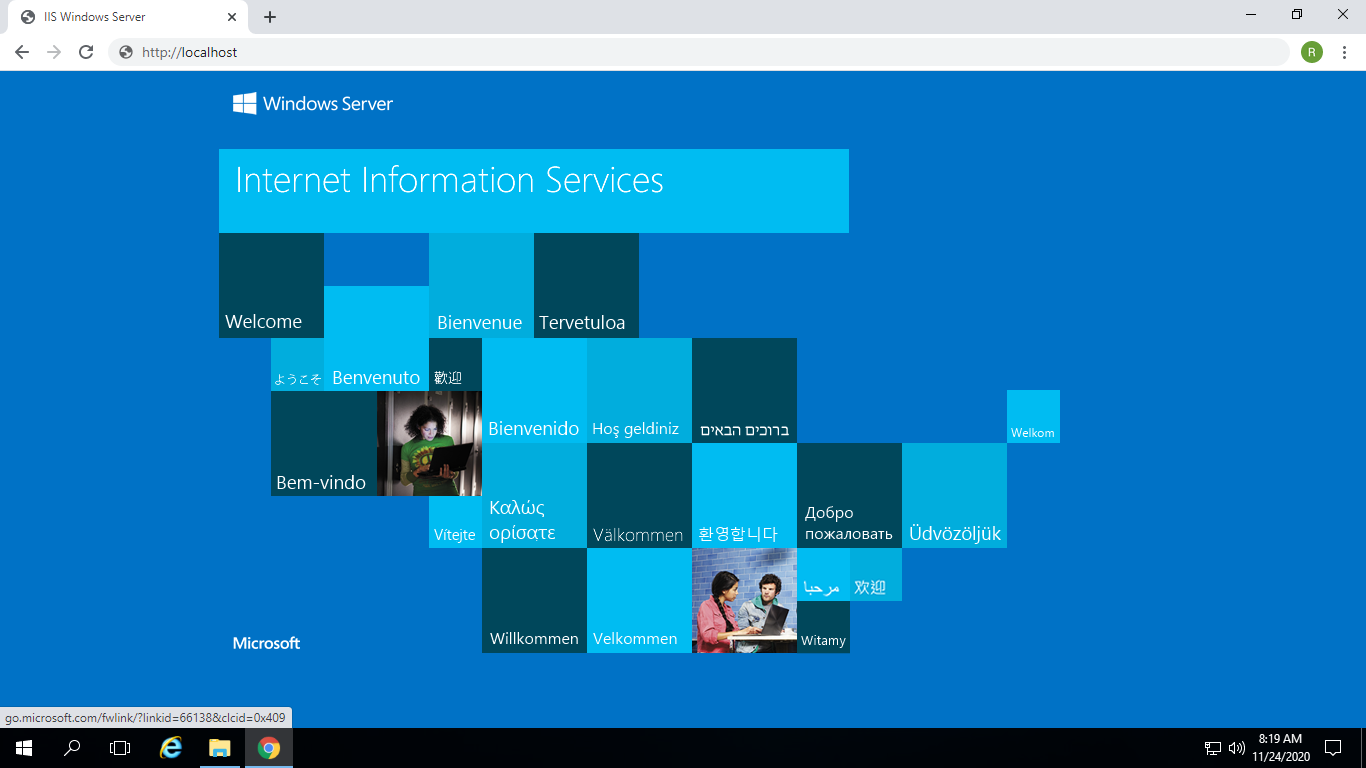


* Open “New Query” window and place all scripts from db script file “Tables.sql” and execute the same.
* Similarly place all scripts from db script file “data.sql” and execute the same.
* These script files will create application database table structure and will load all required master data.

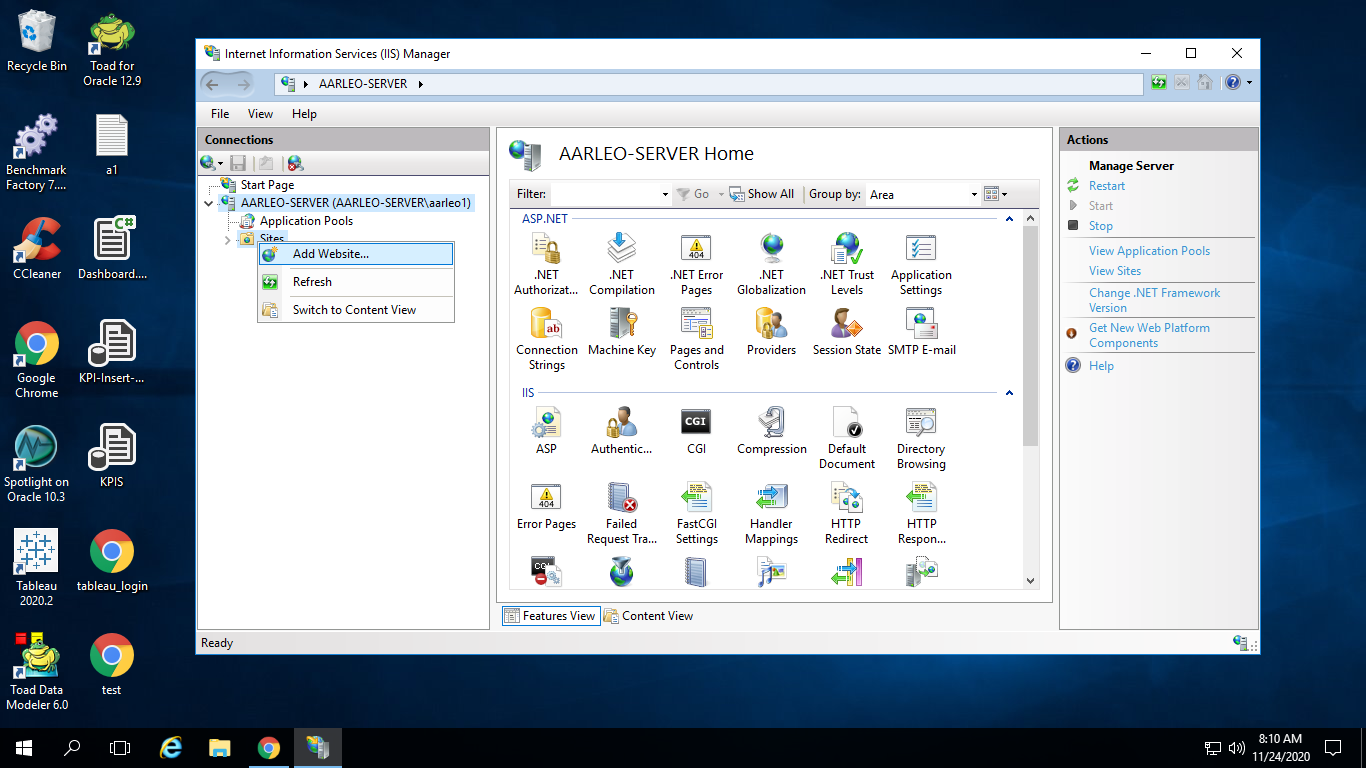
## Web Application

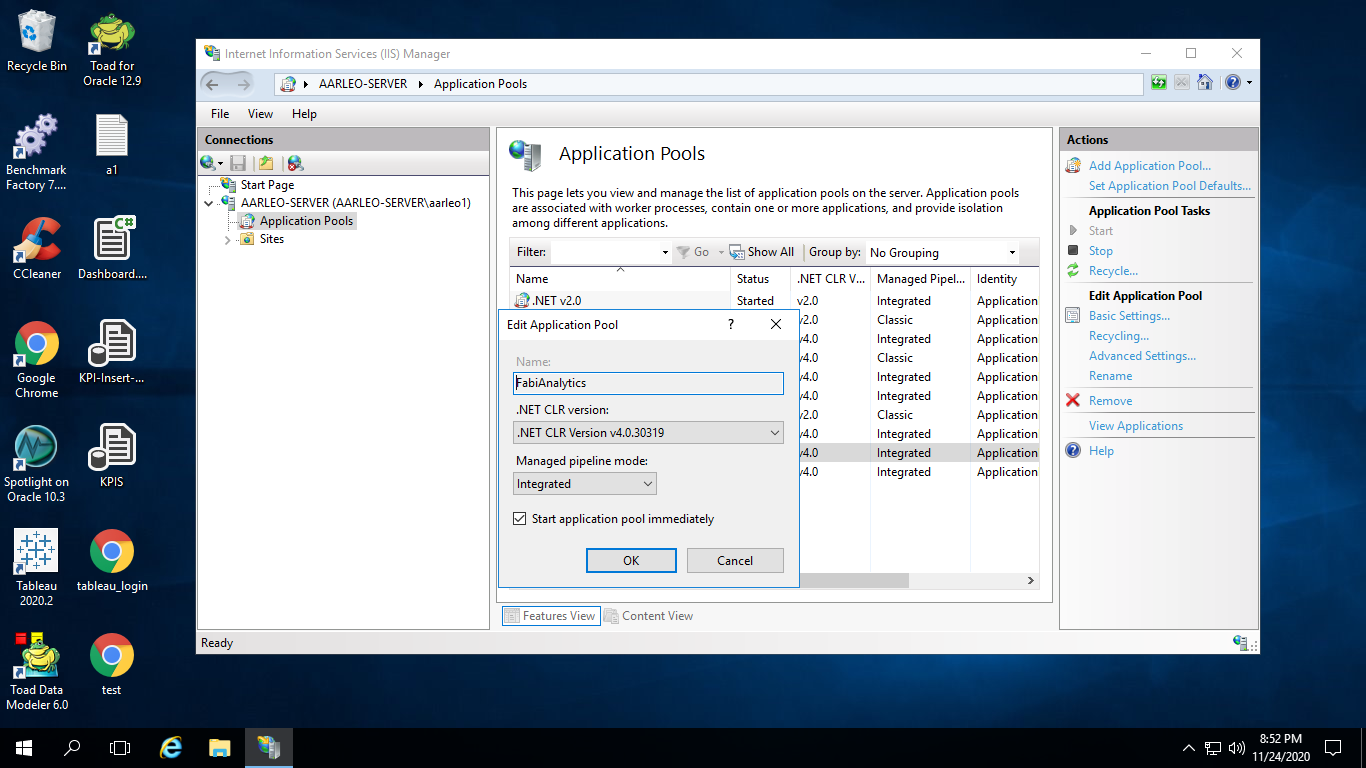
Follow below steps to set up the Fabi Analytics web application

* Copy the Fabi Analytics deployment files with existing structure onto new folder (e.g. d:\FabiApp )
* Make sure Server IIS instance is working properly. You can test by typing <http://localhost> onto server browser. You should get below screen.

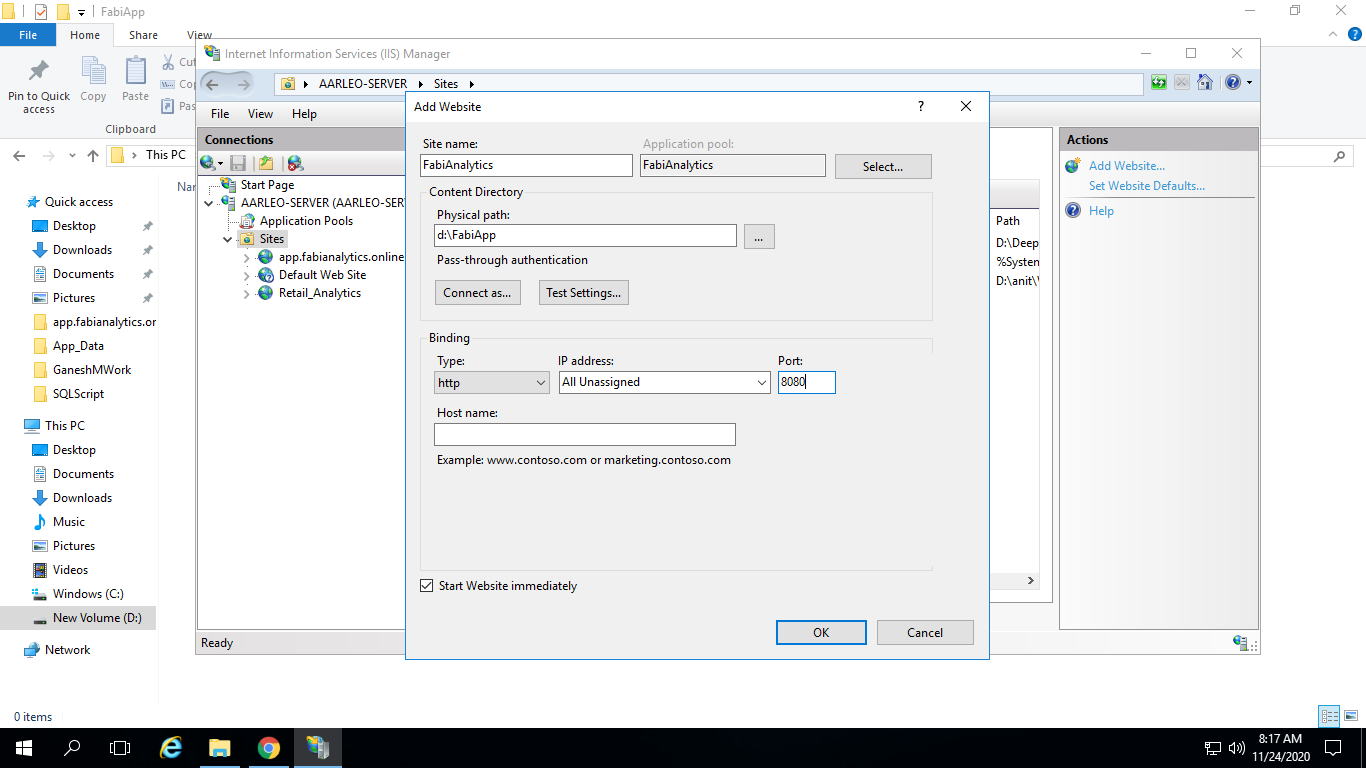


* Create a new website on IIS with .NET 4.7 integrated application pool

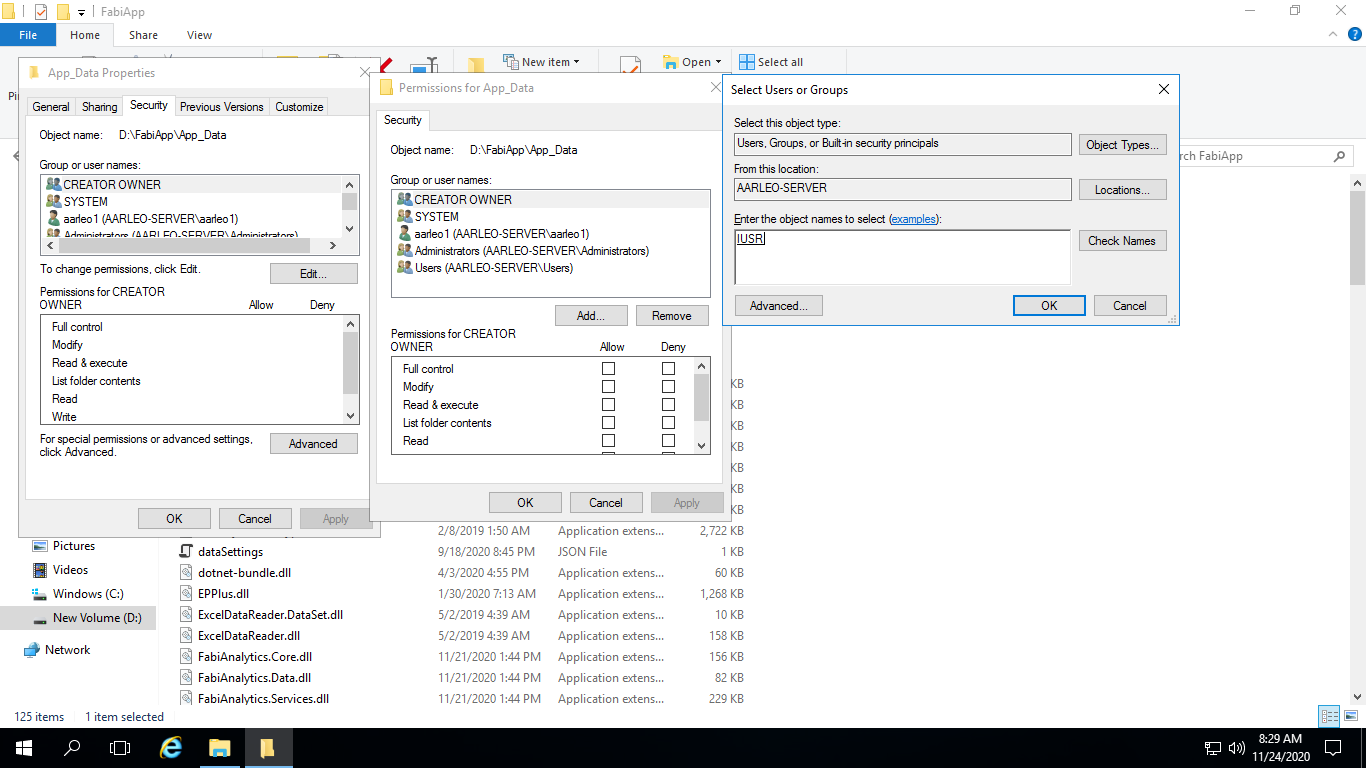


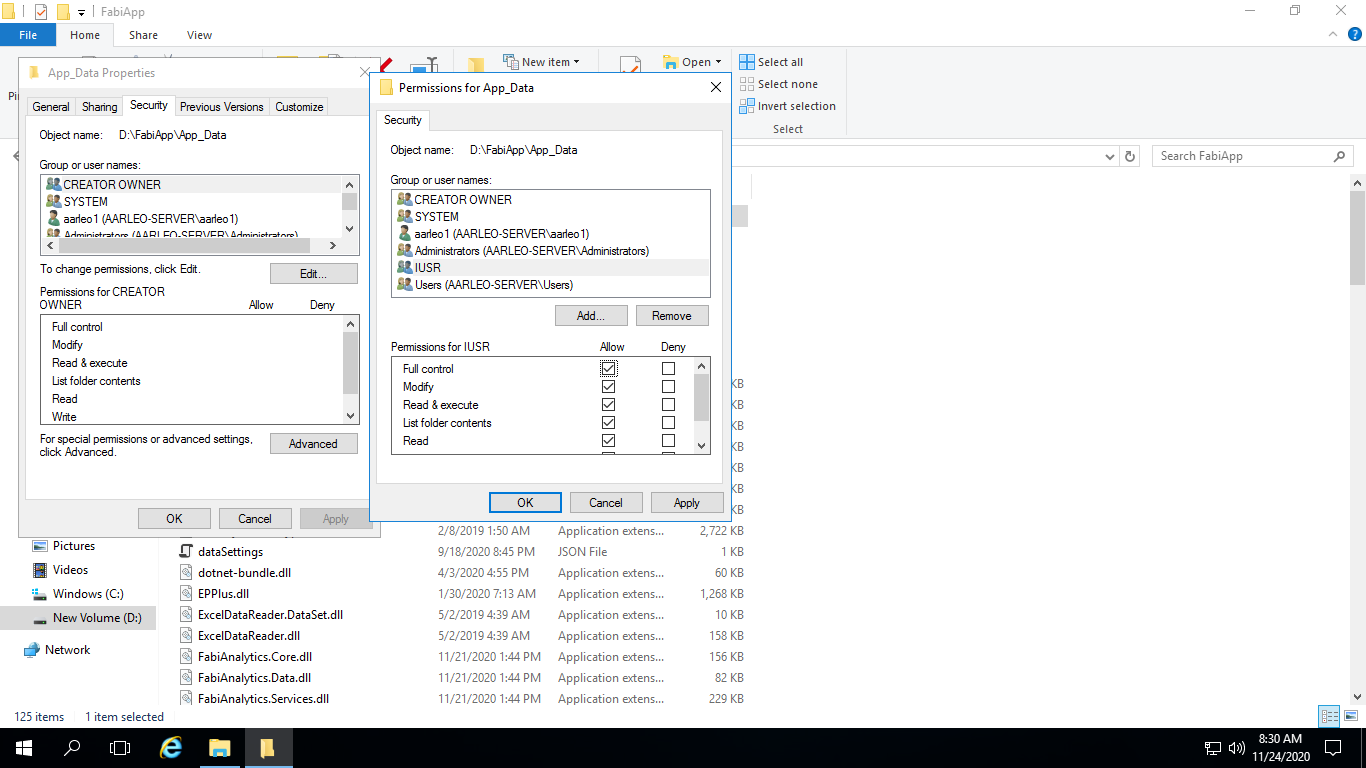


* Define following basic configurations. Port configuration as per port availability on the IIS server instance.



* The following folders need to be given write permission
  + App\_Data
  + Wwwroot/bundles





* Change the database connection string in the file app\_data/datasettings.json

{

"DataConnectionString": "Data Source=<<IP Address/Server Name>>;Initial Catalog=<<Database Name>> ;Persist Security Info=False;User ID=<<SQL Server User ID>>;Password=<<SQL Server Password>>",

"DataProvider": "sqlserver",

"SQLCommandTimeout": null,

"RawDataSettings": {}

}

* Kindly make change only in the following parameters

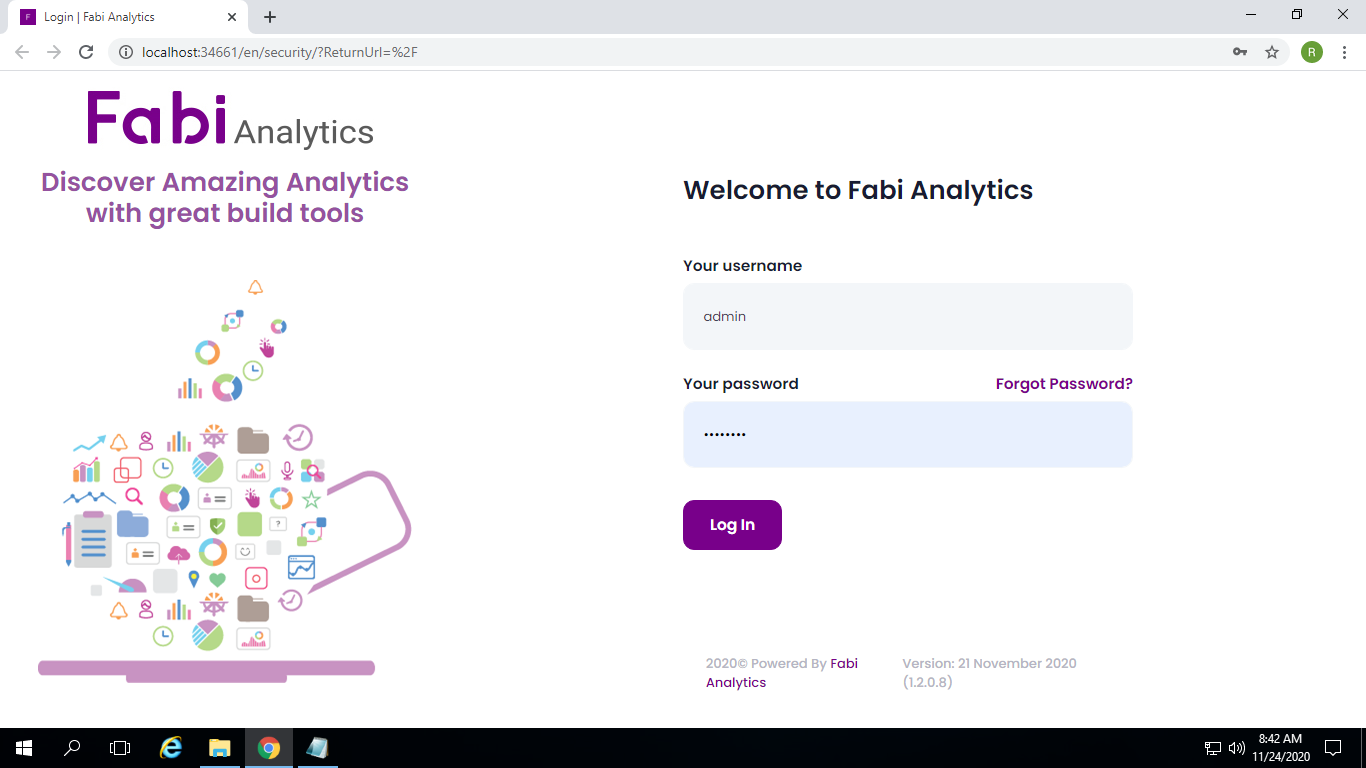
|  |  |
| --- | --- |
| Parameter | Description |
| Data Source | Server Name or IP address |
| Initial Catalog | Database Name |
| User ID | Database User Name |
| Password | Database User Password |

# Application login

For application login, type the respective path of the application in the browser.

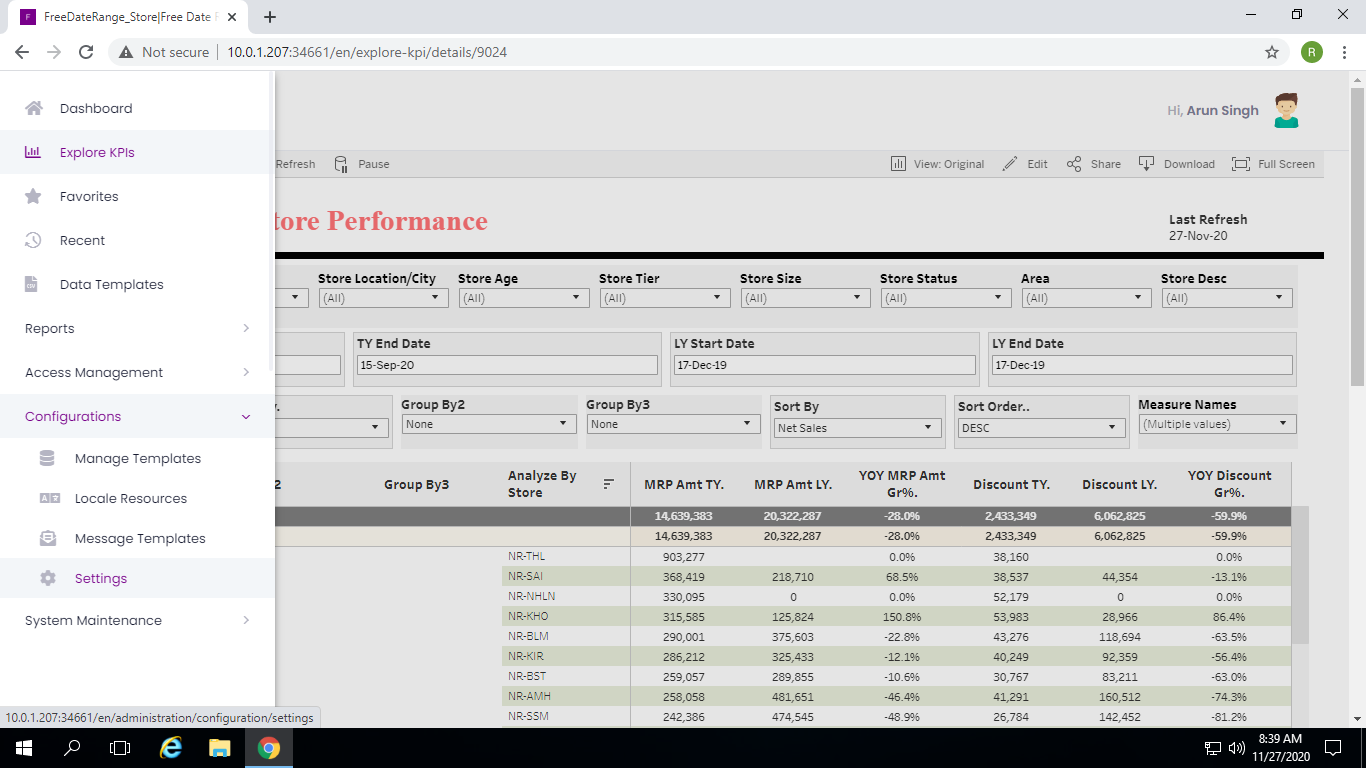
Following are the default admin login credentials to get login into application as “admin” user

* Username: admin
* Password: house@19

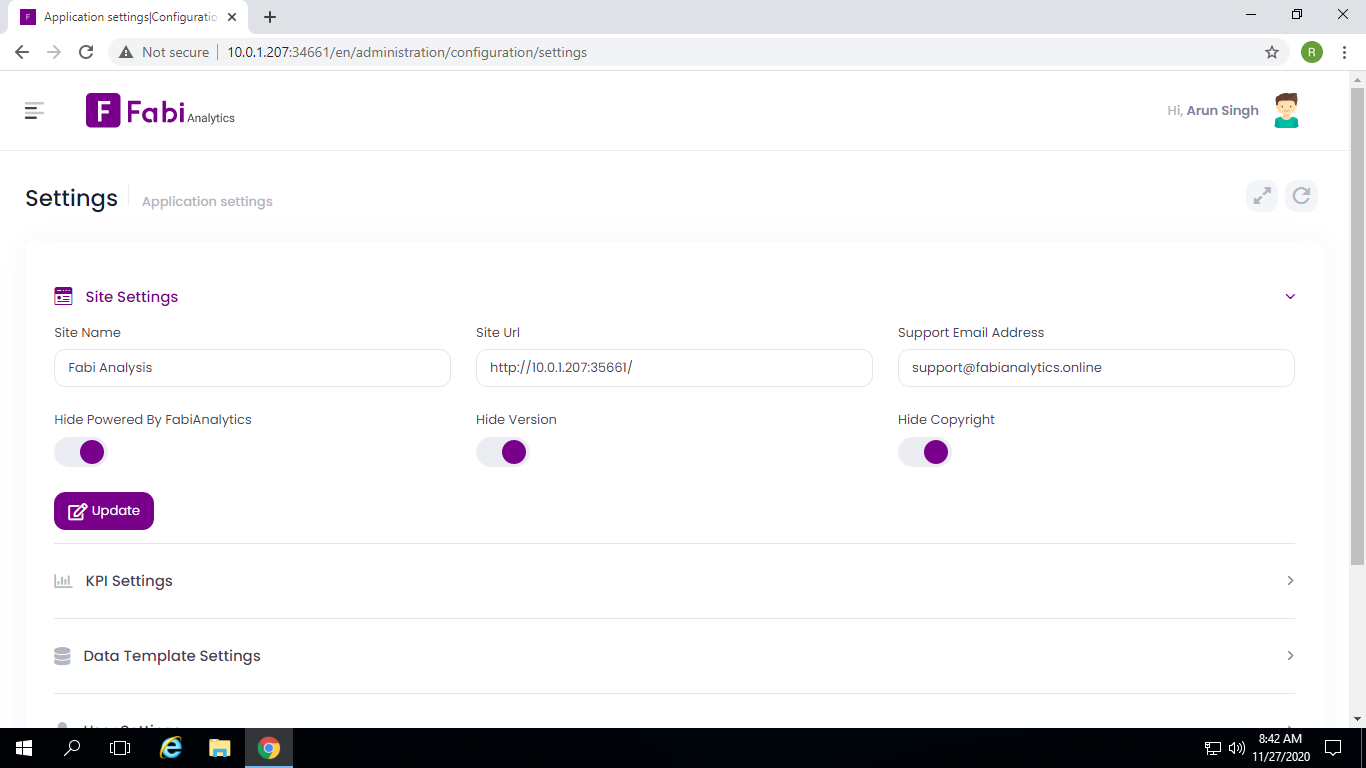


# System Configuration

All the basic configurations that can or need to be changed for any deployment have a GUI defined under Configuration -> Settings

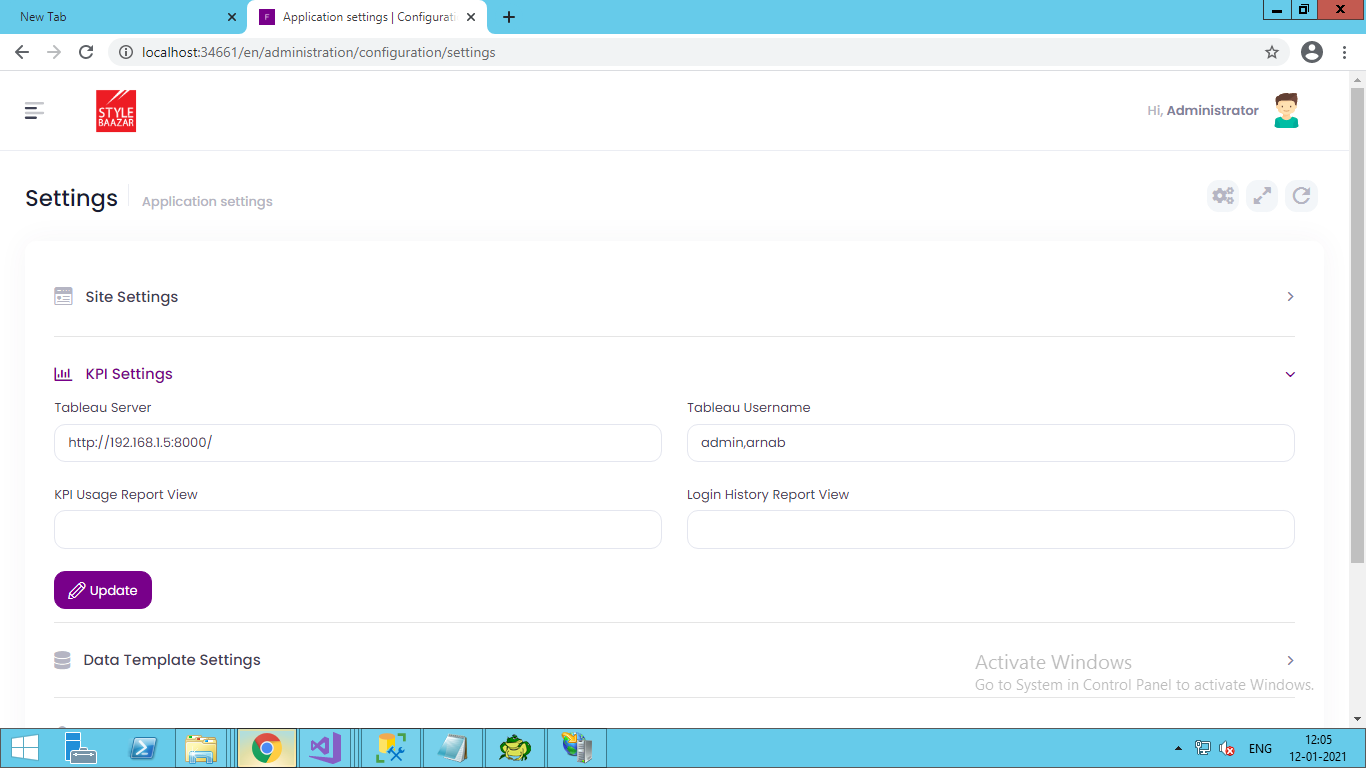


* **SITE SETTINGS :**



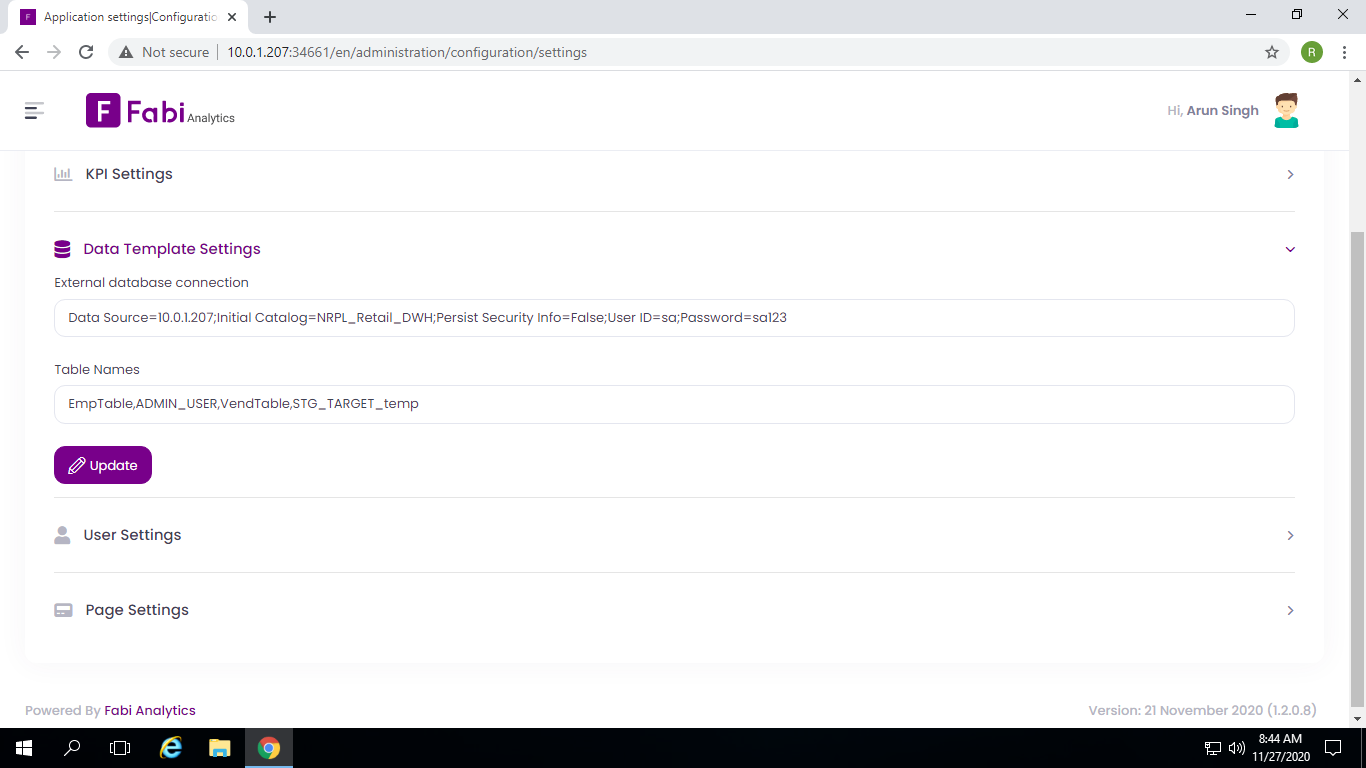
|  |  |
| --- | --- |
| Settings | Description |
| Site Name |  |
| Site URL | This URL will appear onto email sent in event of Forgot Password. |
| Support Email Address |  |
| Hide Powered by FabiAnalytics | To make display on/off Displayed onto login screen |
| Hid version | To make display on/off Displayed onto login screen |
| Hide Copyright | To make display on/off Displayed onto login screen |

* **KPI SETTINGS :**



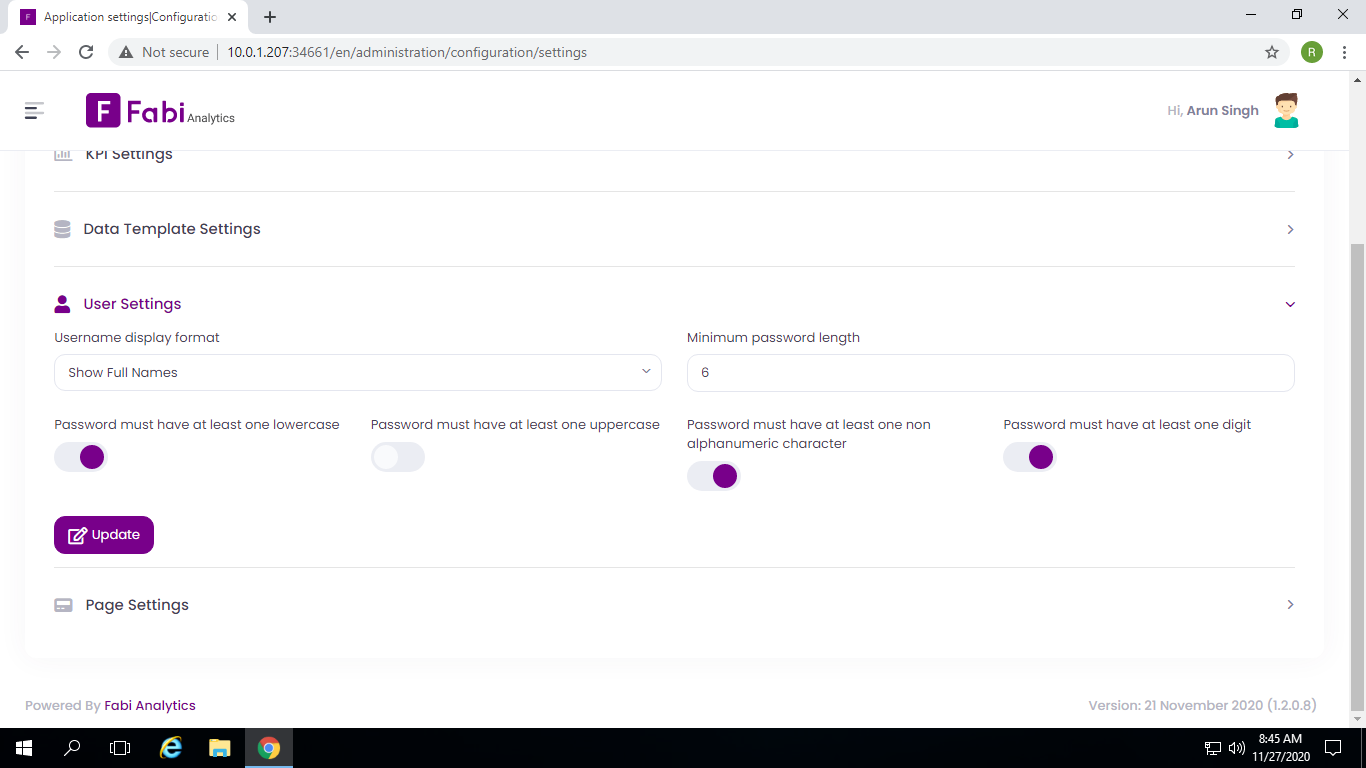
|  |  |
| --- | --- |
| KPI Settings | Description |
| Tableau Server | Tableau Server IP address / Server Name |
| Tableau User Name | Tableau User Name for Trusted Authentication. User can configure multiple tableau user names with comma separator. |
| KPI Usage Report View | Tableau KPI report link to display KPI Usage Report View |
| Login History Report View | Tableau KPI report link to display Login History Report View |

* **DATA TEMPLATE SETTINGS :**



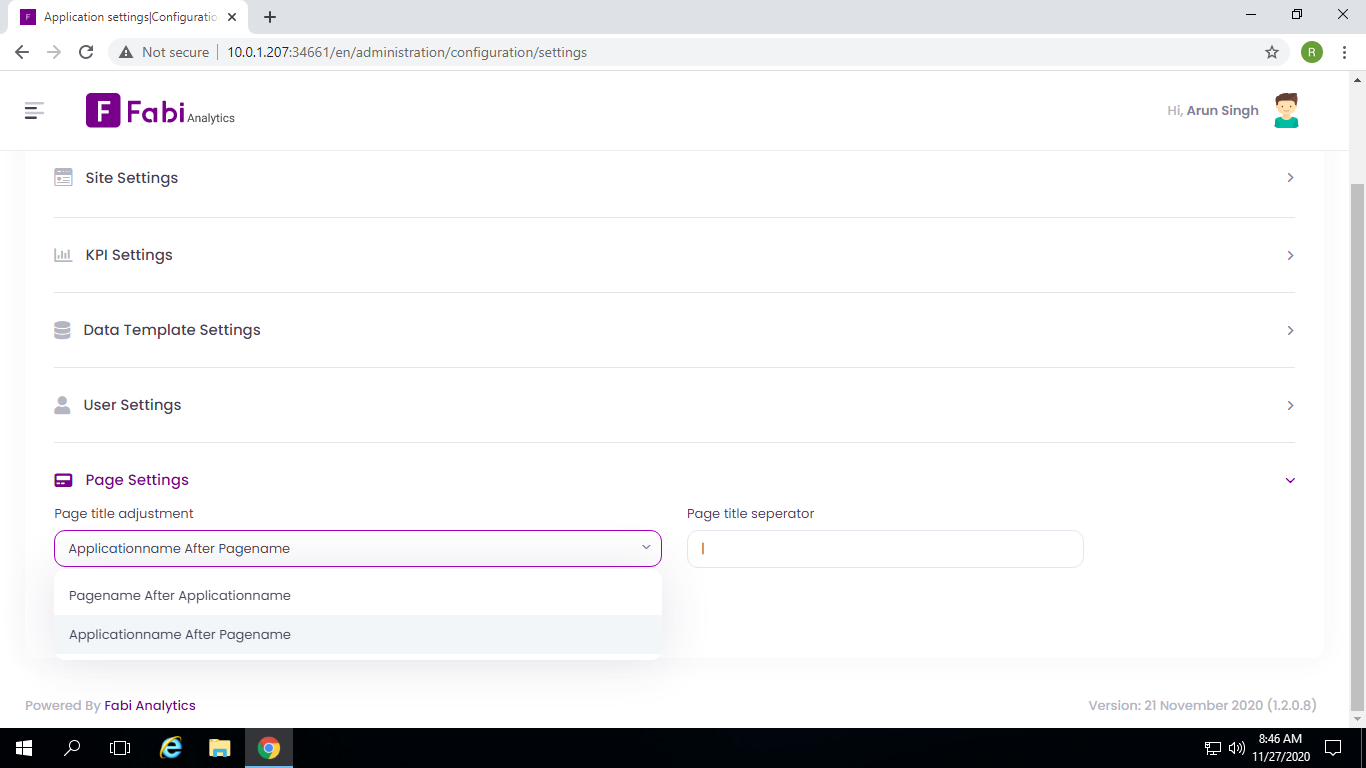
|  |  |
| --- | --- |
| Data Template Settings | Description |
| External database Connection | External database Connection string.  Change Database source (IP address/Server Name), Database Name and Db User Credentials |
| Table Names | Mention table names using comma separator, those are to be used in data template import. |

* **USER SETTINGS:**



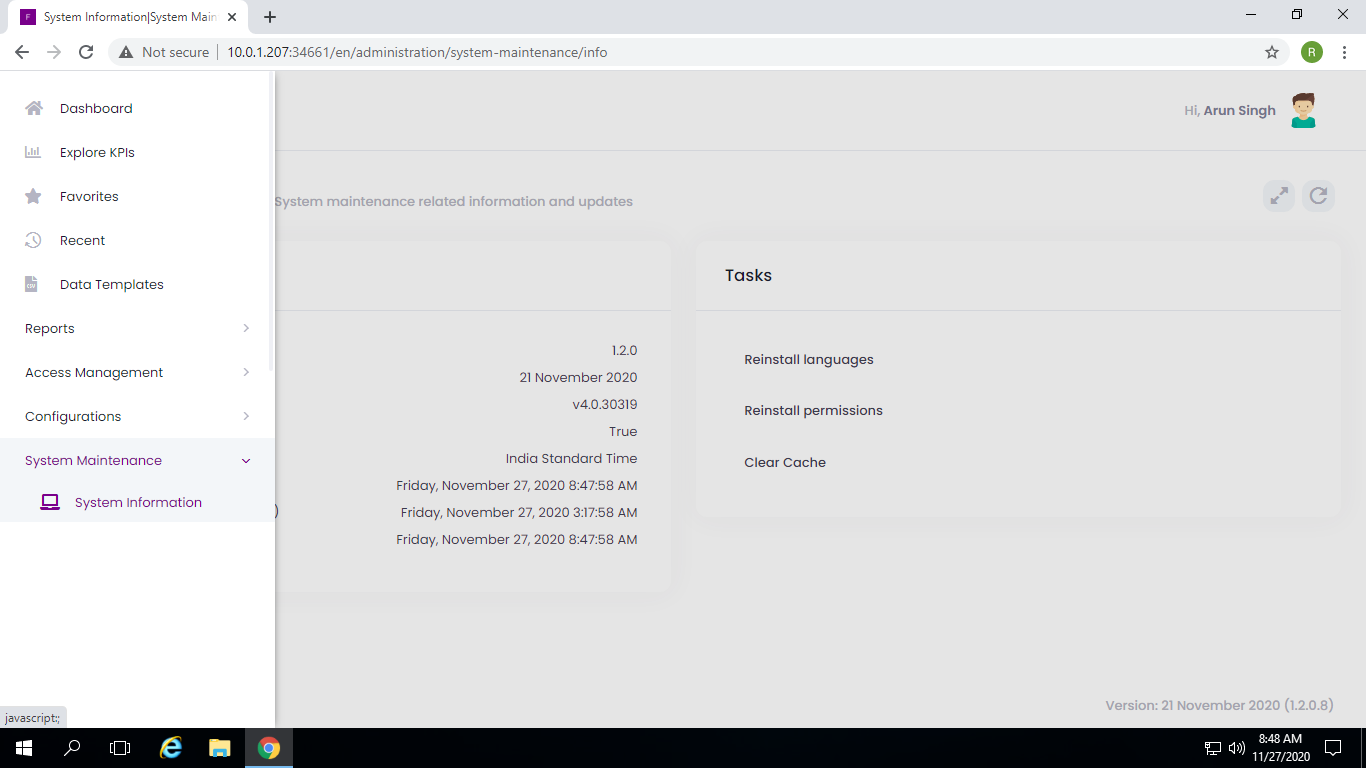
|  |  |
| --- | --- |
| User Settings | Descriptions |
| UserName Display Format | User Name Display Format |
| Minimum Password Length | User New Password Update Rule |
| Password must have at least one lowercase | User New Password Update Rule |
| Password have at least one uppercase | User New Password Update Rule |
| Password must have at least one non alphanumeric character | User New Password Update Rule |
| Password must have at least one digit | User New Password Update Rule |

* **PAGE SETTINGS:**

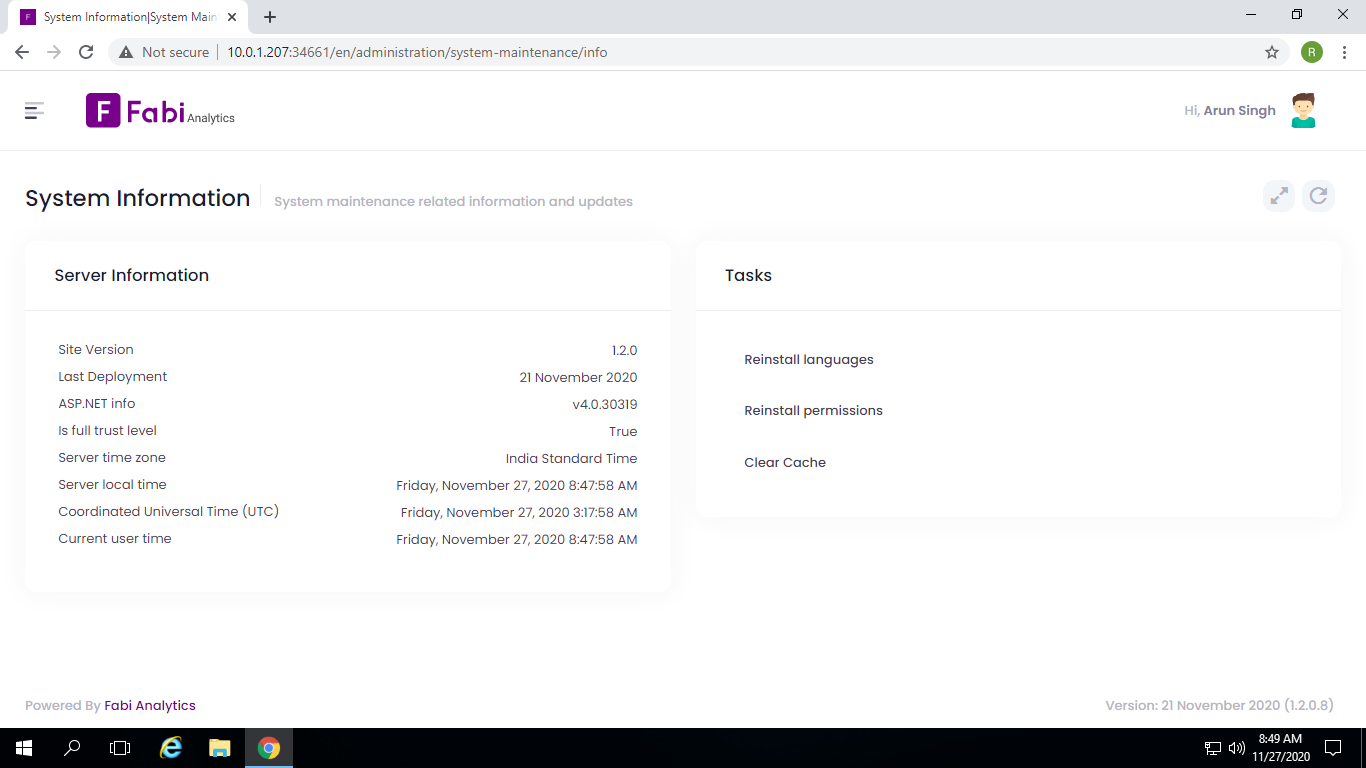


|  |  |
| --- | --- |
| Page Settings | Descriptions |
| Page title adjustment | Page Title adjustment  Values :   * Application name After Pagename * Pagename After Application name |
| Page title separator | User New Password Update Rule |

* SYSTEM MAINTENANCE



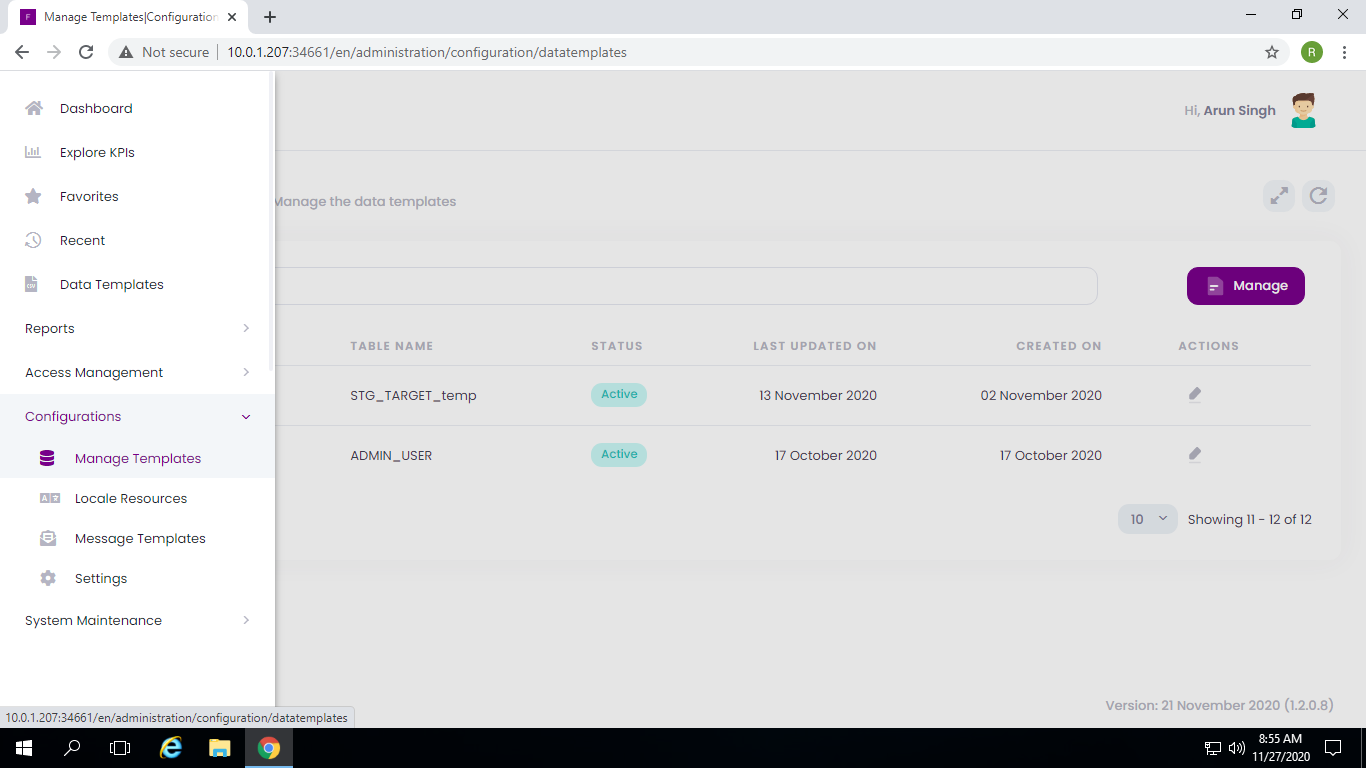
* **SYSTEM INFORMATION:**

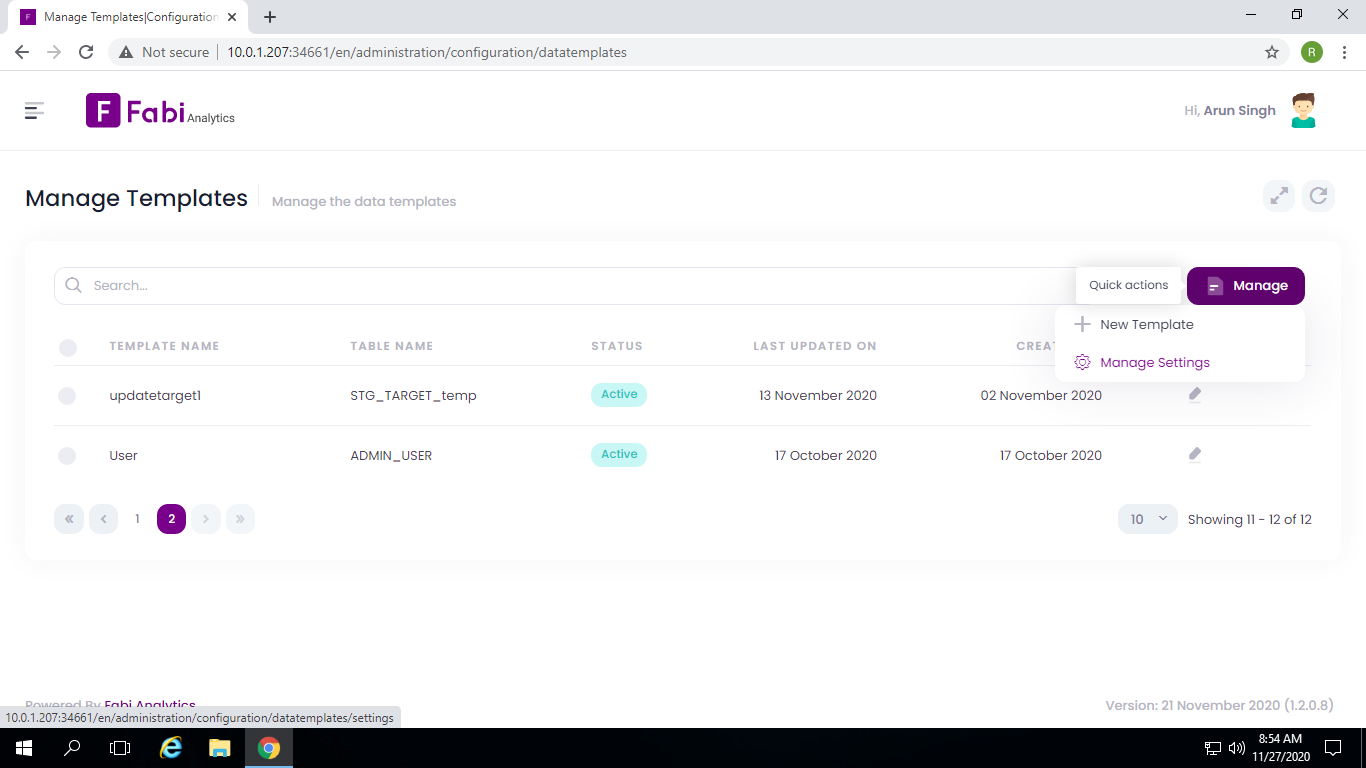


|  |  |
| --- | --- |
| System Information –Tasks | Purpose |
| Reinstall Language |  |
| Reinstall Permissions |  |
| Clear Cache |  |

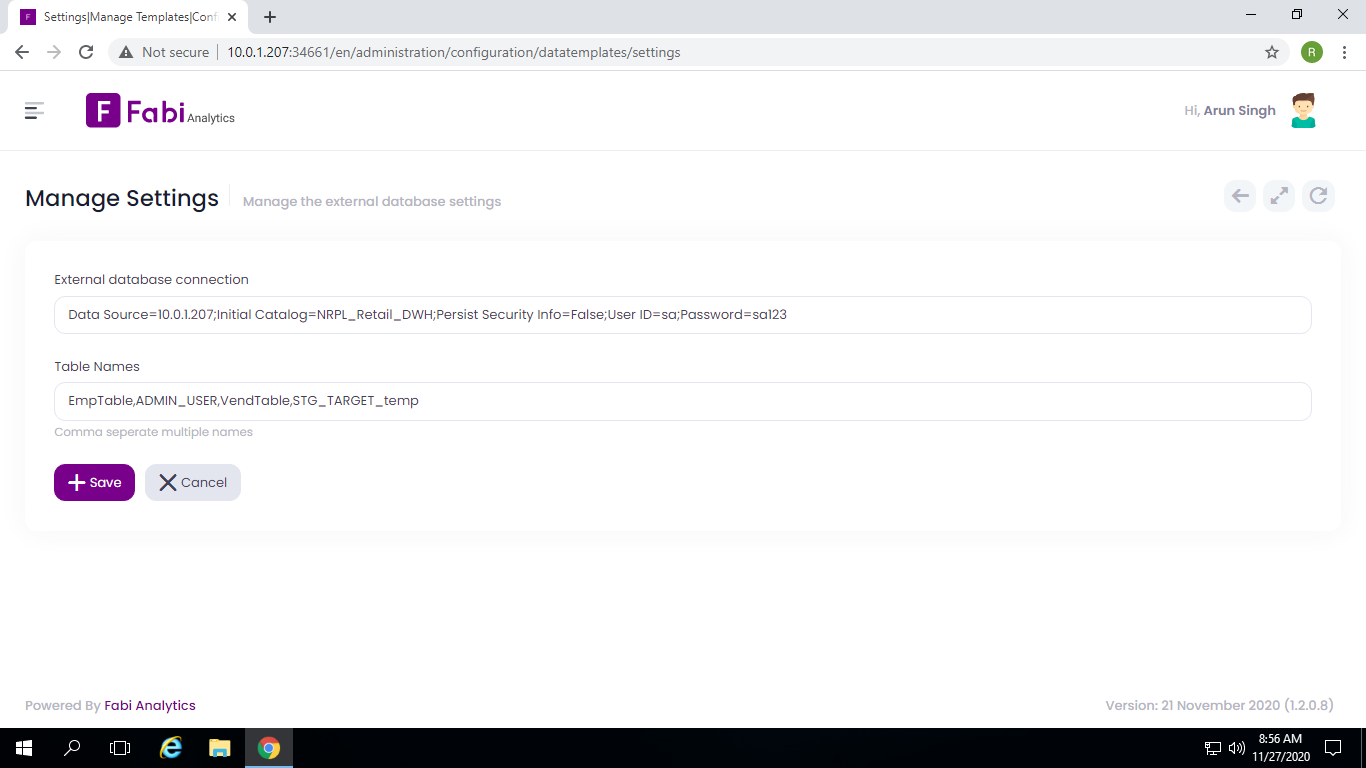
* **MANAGE TEMPLATES:**

To import excel sheet data into database tables.



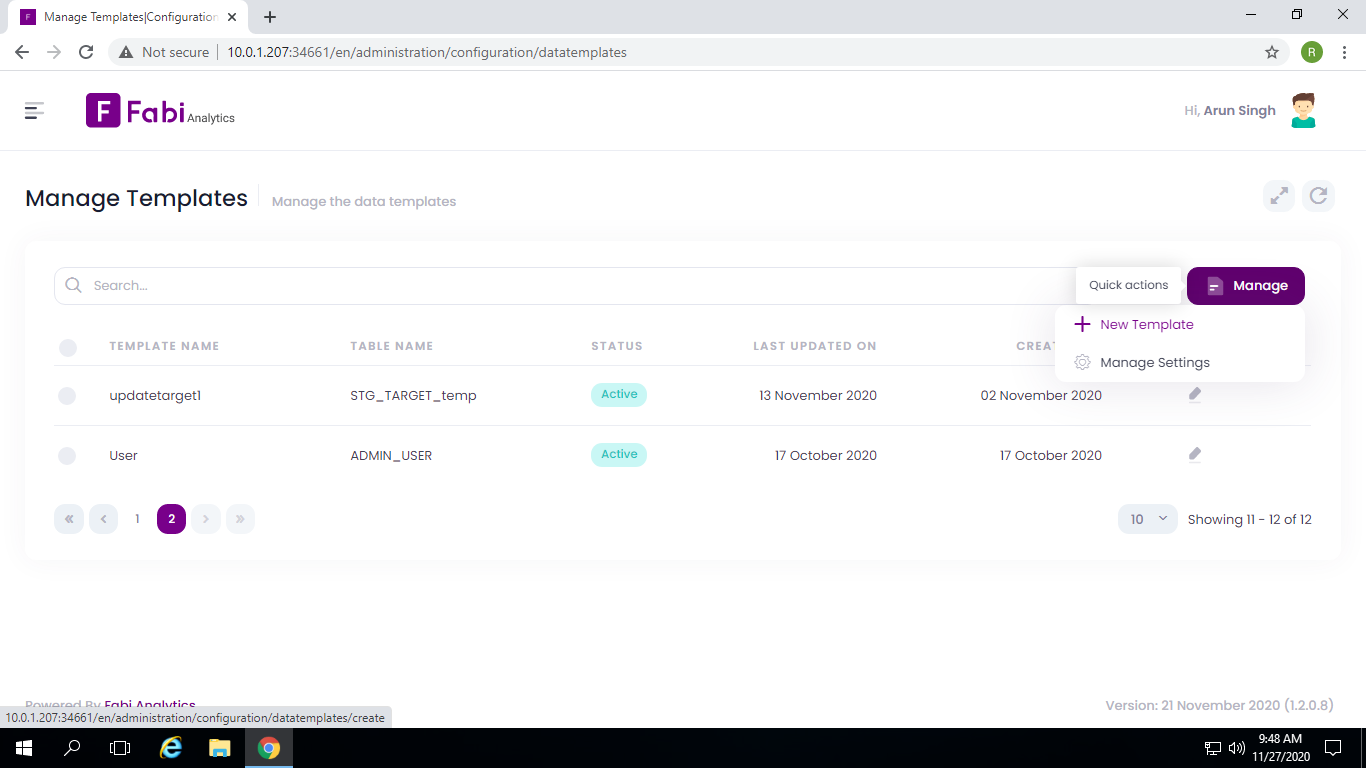


* **TEMPLATES DATABASE CONNECTION STRING AND TABLES:**

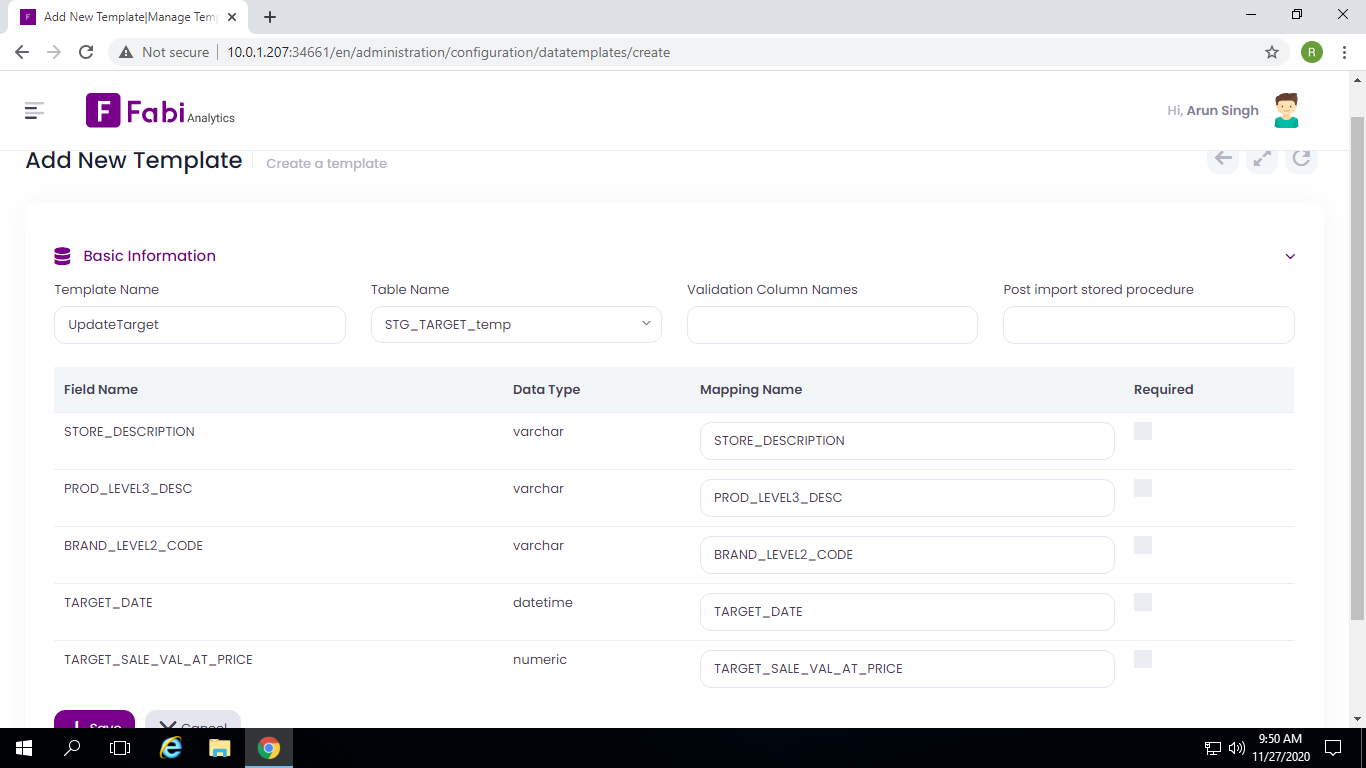


|  |  |
| --- | --- |
| Data Template Settings | Description |
| External database Connection | External database Connection string.  Change Database source (IP address/Server Name), Database Name and Db User Credentials |
| Table Names | Mention table names using comma separator, those are to be used in data template import. |

* **DEFINE NEW TEMPLATE FOR IMPORT DATA:**

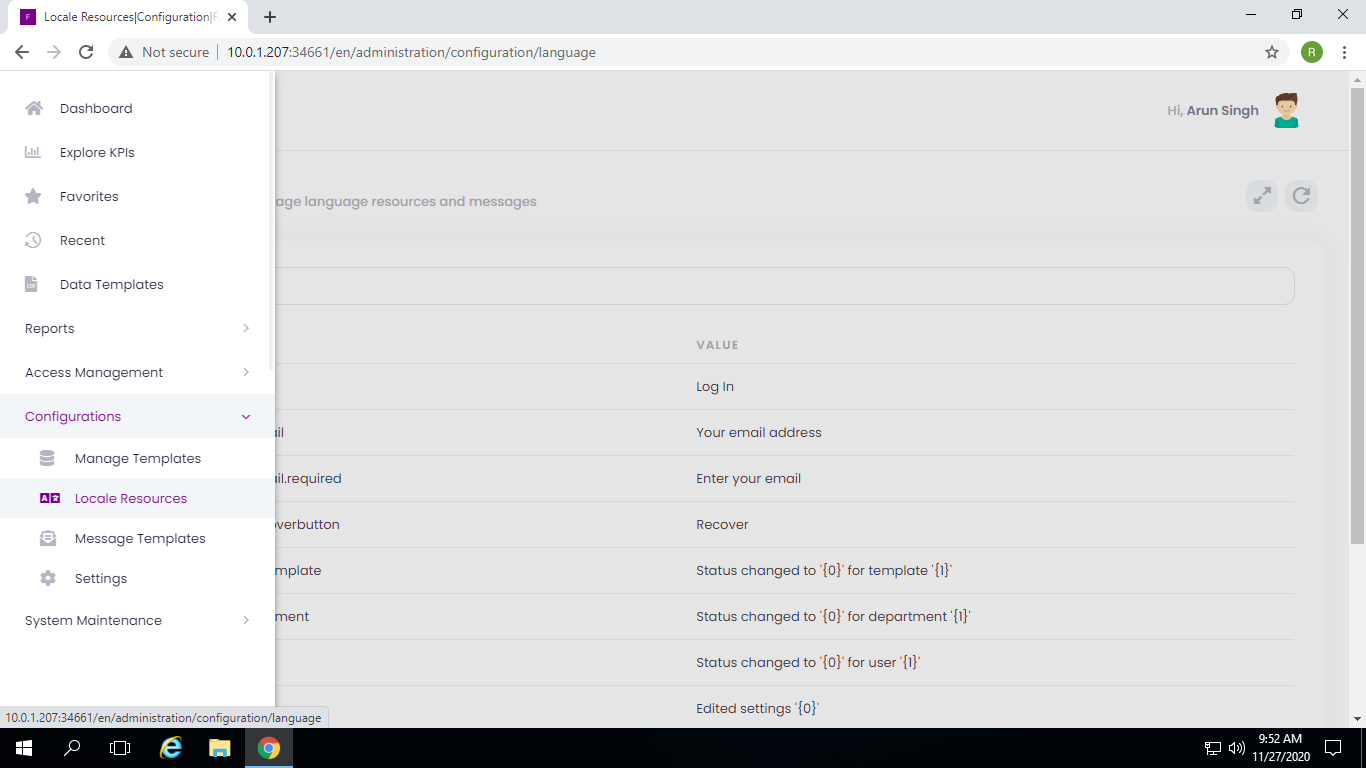


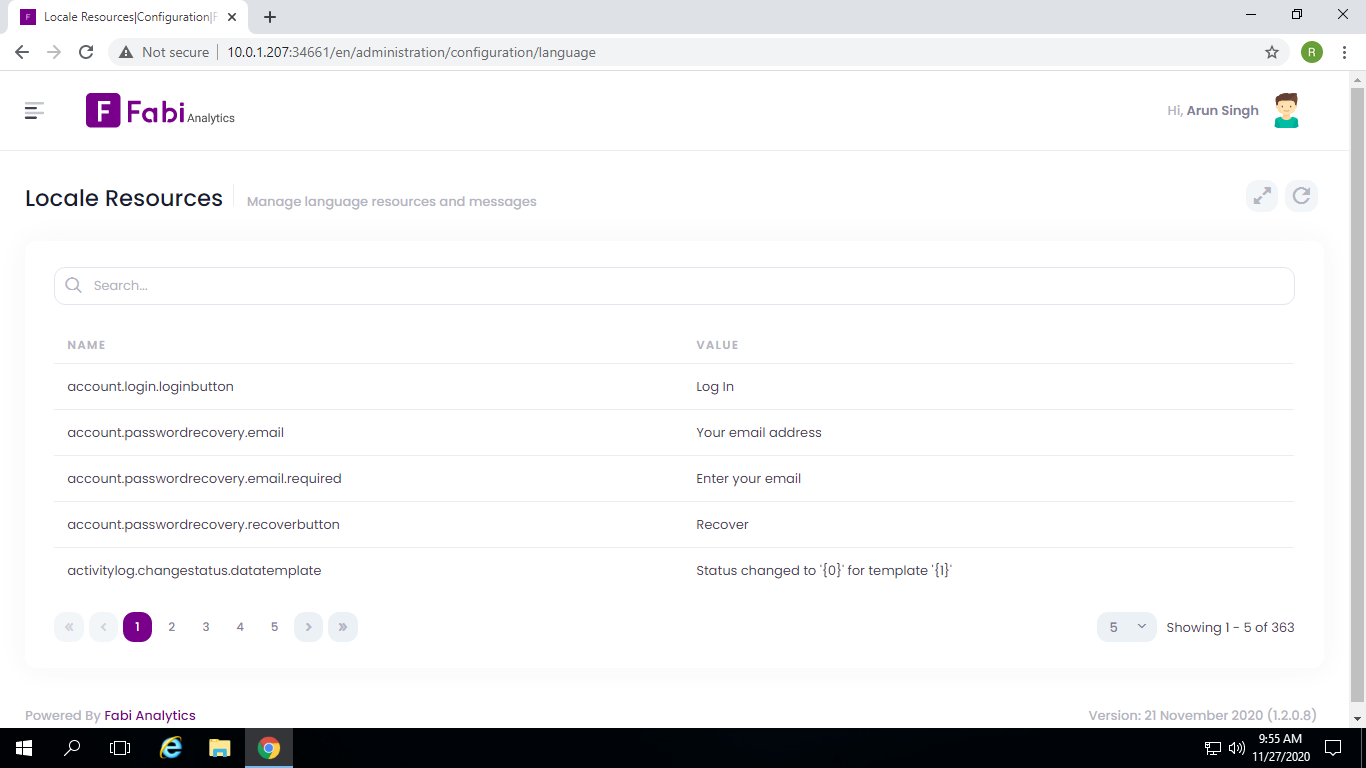
* **STEPS TO CONFIGURE NEW TEMPLATE:**
* Template Name : Define Template Name
* Table Name : Select table Name to import data. ( This table name should be configured using template configuration settings). After selection of table name, system will display the table structure available in the database table. Choose the column names those are required in the excel template import.
* Validation Column Name : Define column names those are required for duplicate check.
* Post Import stored Procedure : Define SQL stored Procedure which will get triggered after successful completion of excel import into defined table.



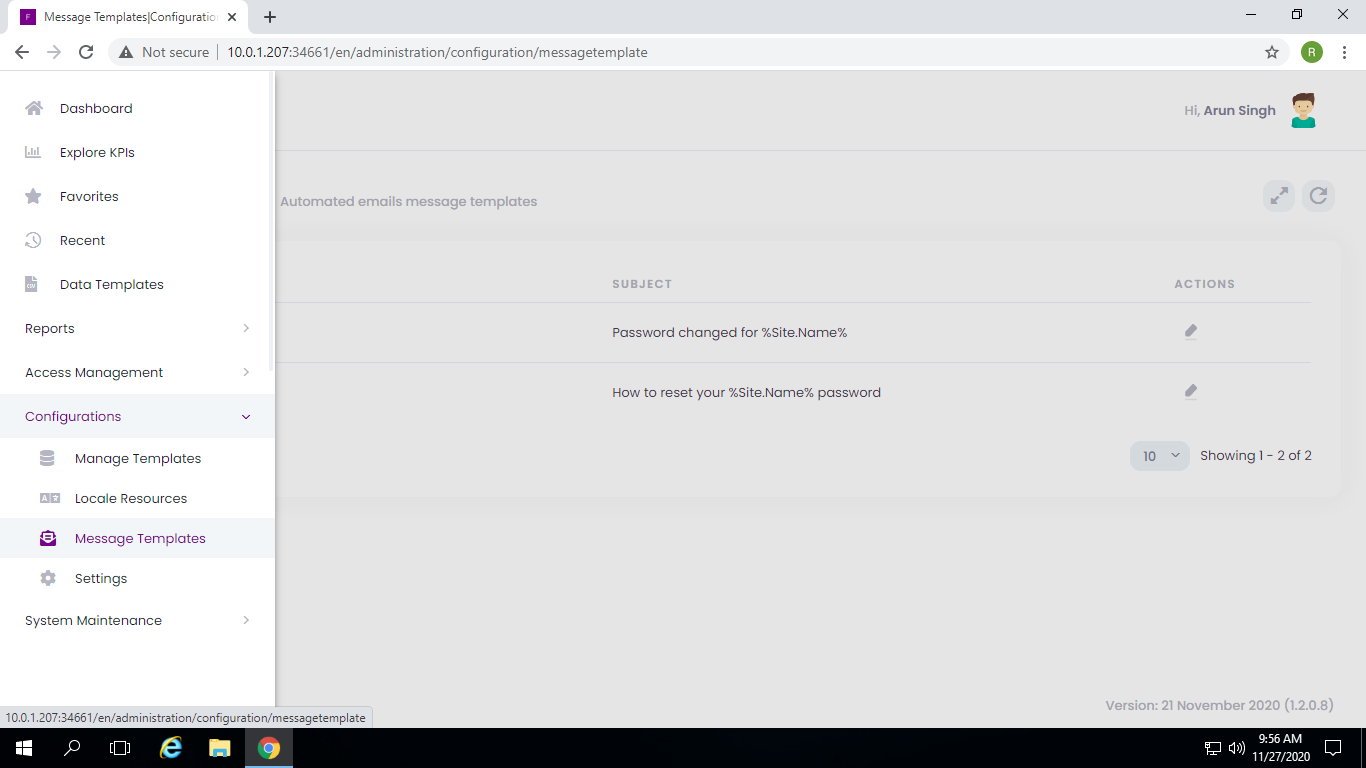
* **CONFIGURATIONS -> LOCATE RESOURCES:**

Using this option user can change the various display text/values of the application.



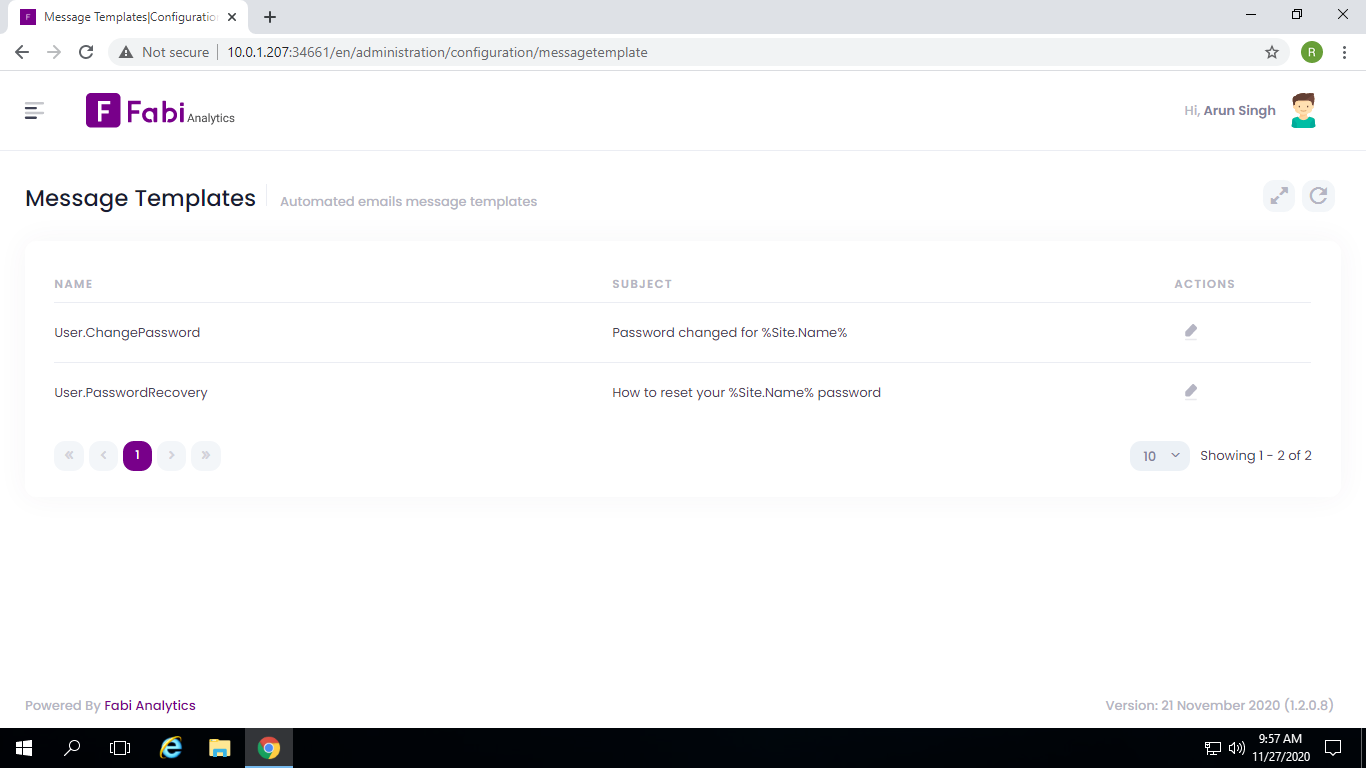


* **EMAIL MESSAGES ALERT/INFORMATION :**

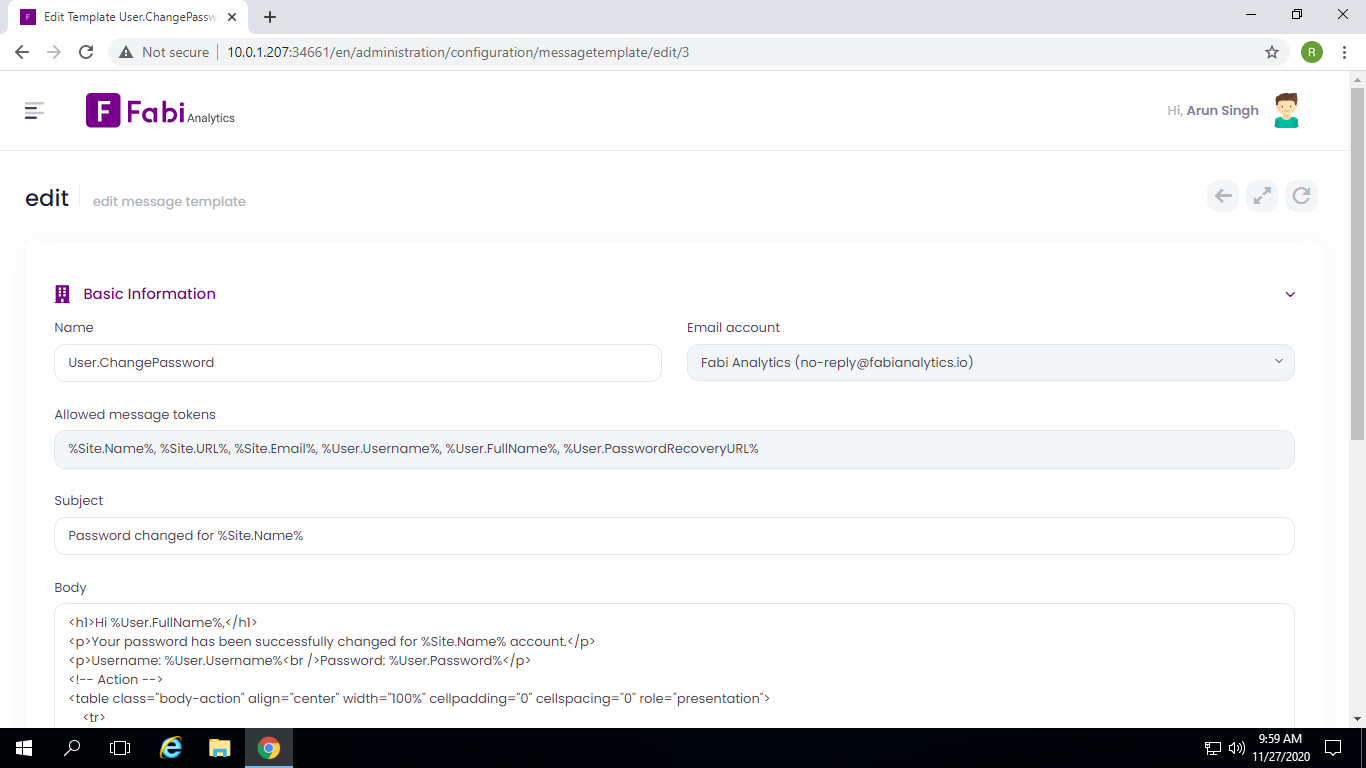


Note : System send alert/information email on the event of Change Password and Forgot Password function.

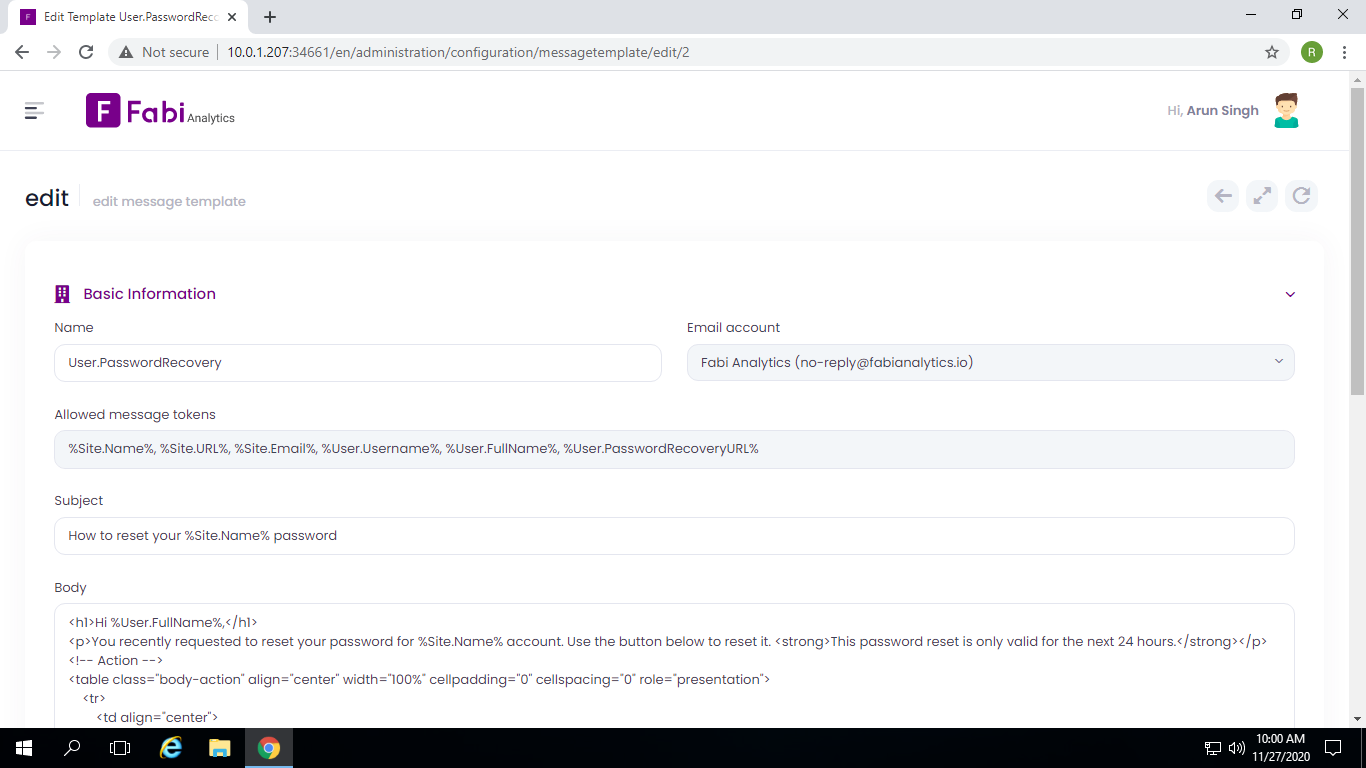
Admin user can configure Email subject and body using this option.



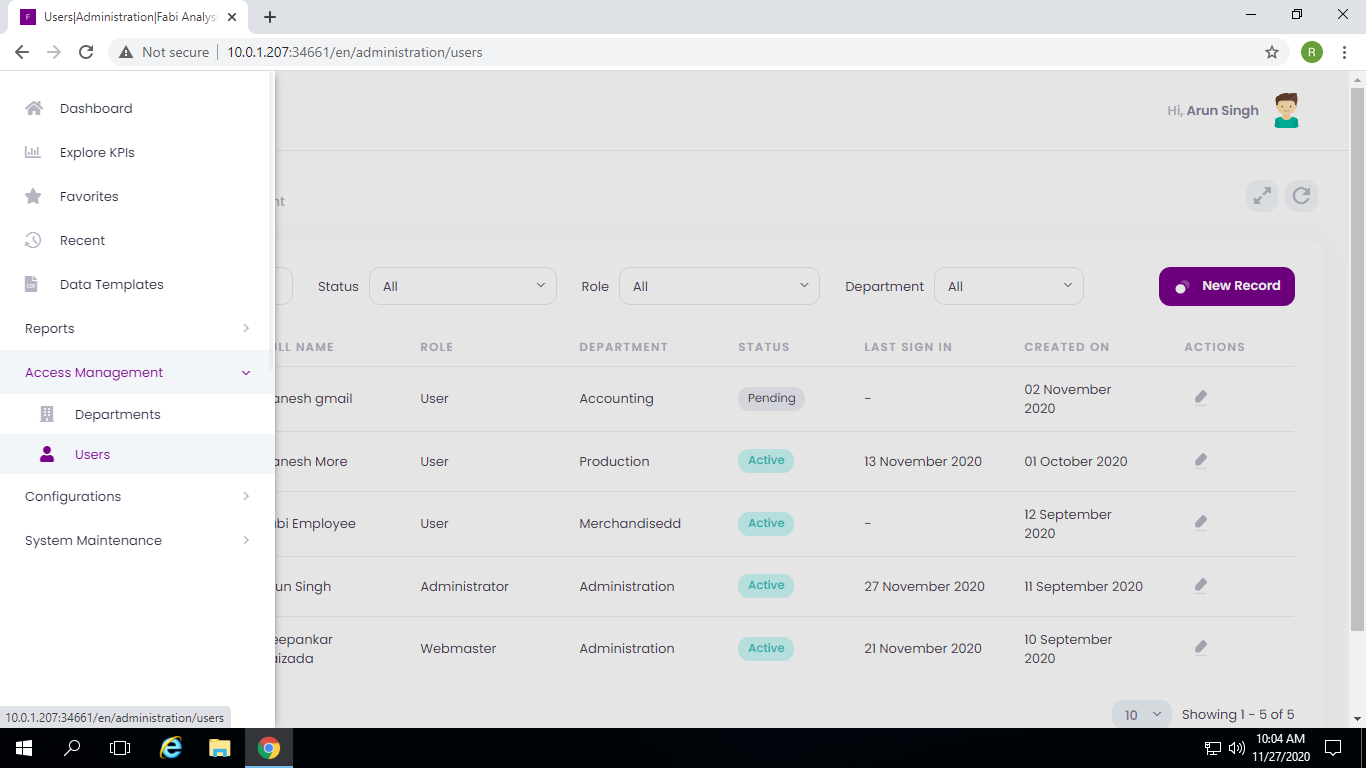
Password Change Email Template :

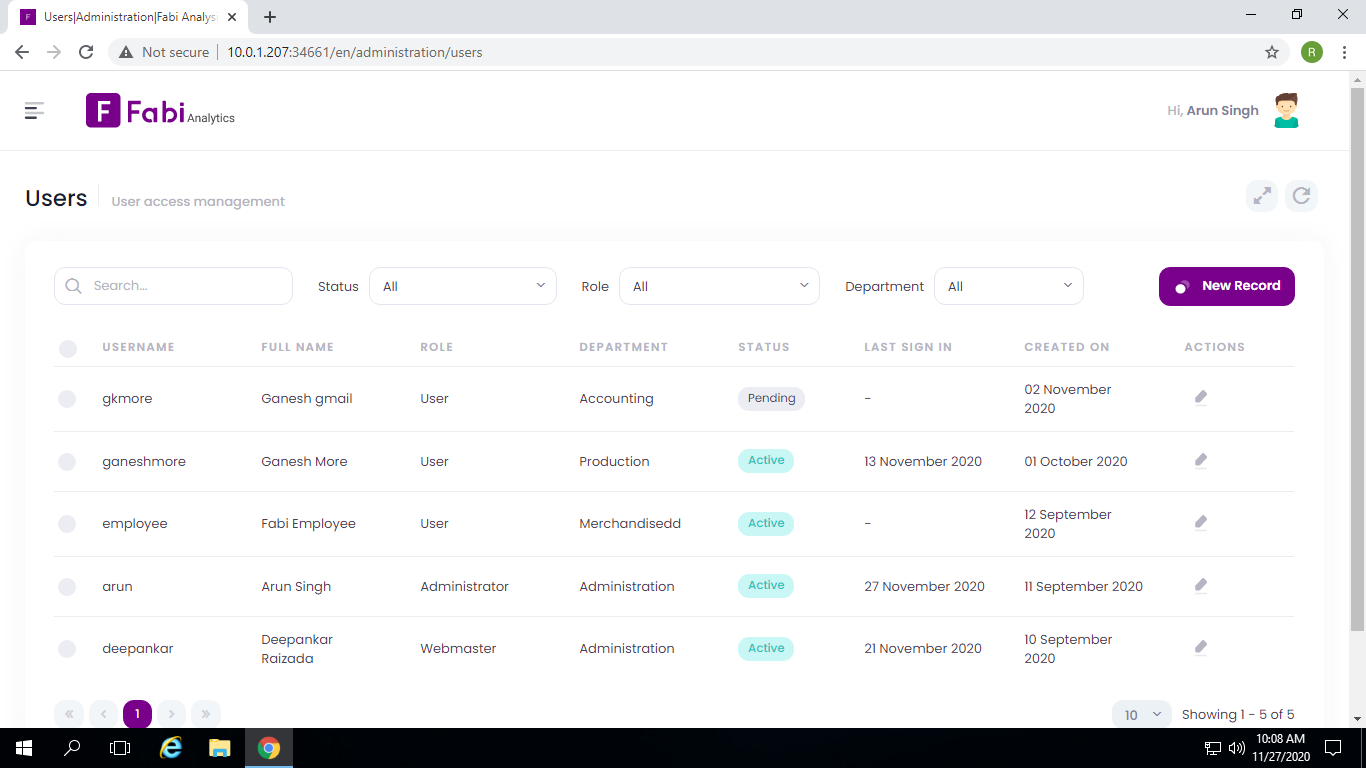


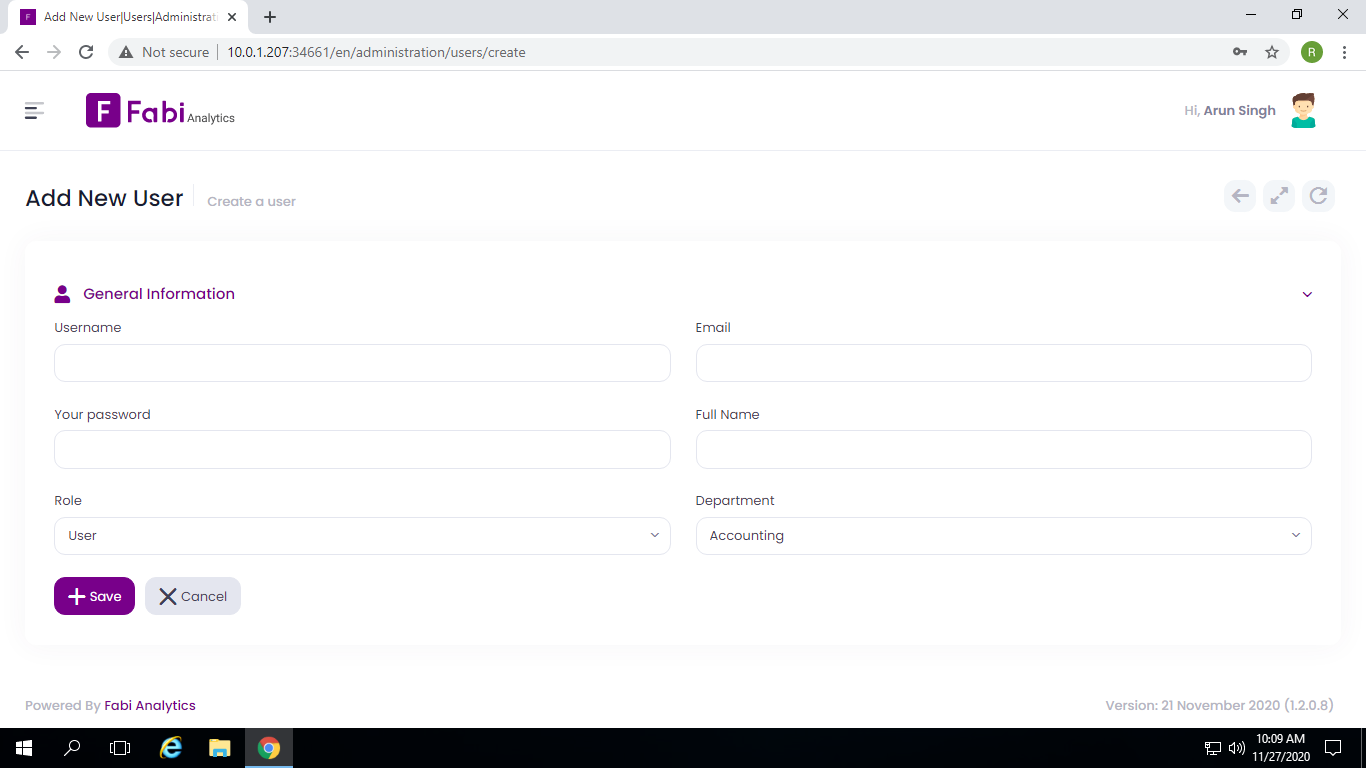
Forgot Password Email Template :



* **APPLICATION USER CONFIGURATION AND ACCESS MANAGEMENT :**

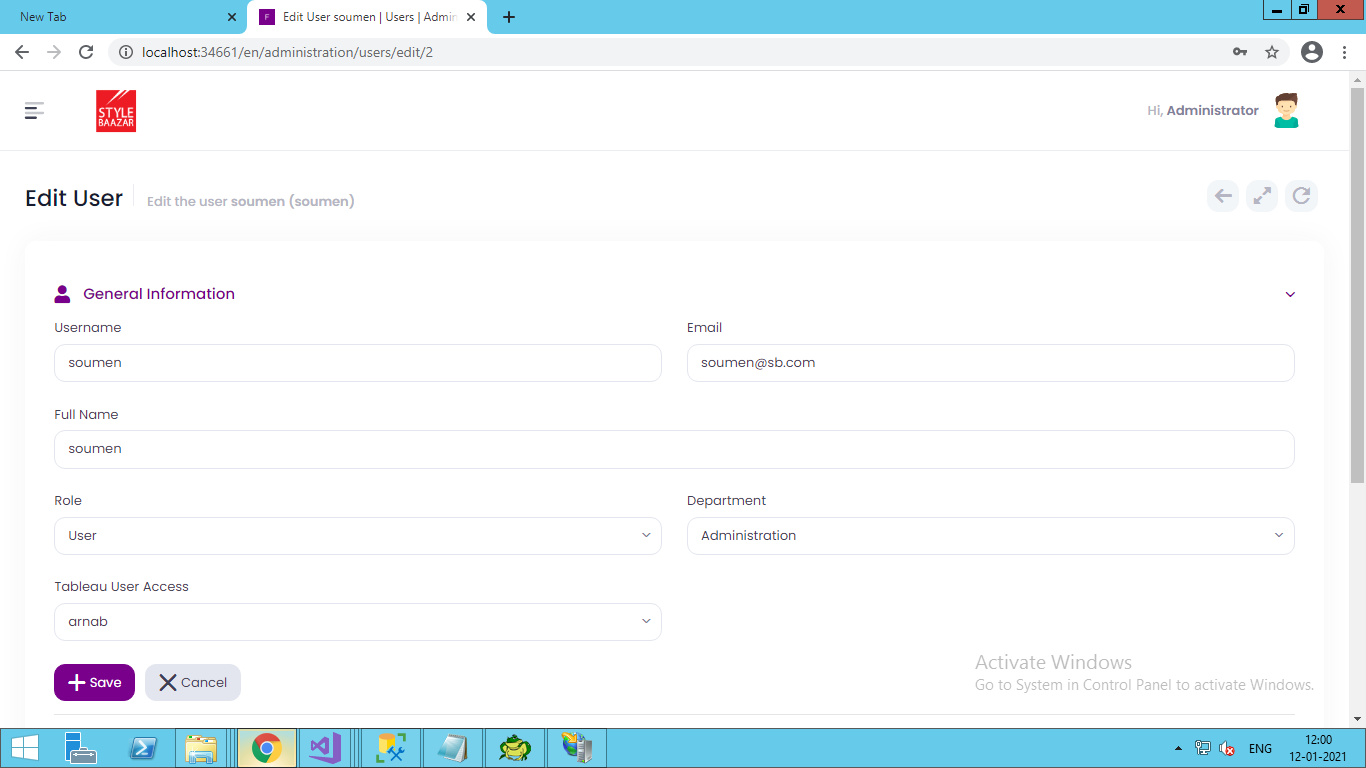


* **CONFIGURE NEW USER :**



|  |  |
| --- | --- |
| User Fields | Description |
| User Name | New User Name |
| Email ID | User Email ID |
| Password | Define User Password as per password policy defined in the system |
| Role | Configure role of the user. Following roles are available   1. User ( KPI Browsing / Template Upload / Reports ) – as per authorization provided by admin 2. Admin ( All user authorization and can define New User configurations ) 3. Super Admin ( All Admin authorization and can define system information settings configurations ) |
| Department | Define User Department |

* **EDIT USER GENERAL SETTINGS :**

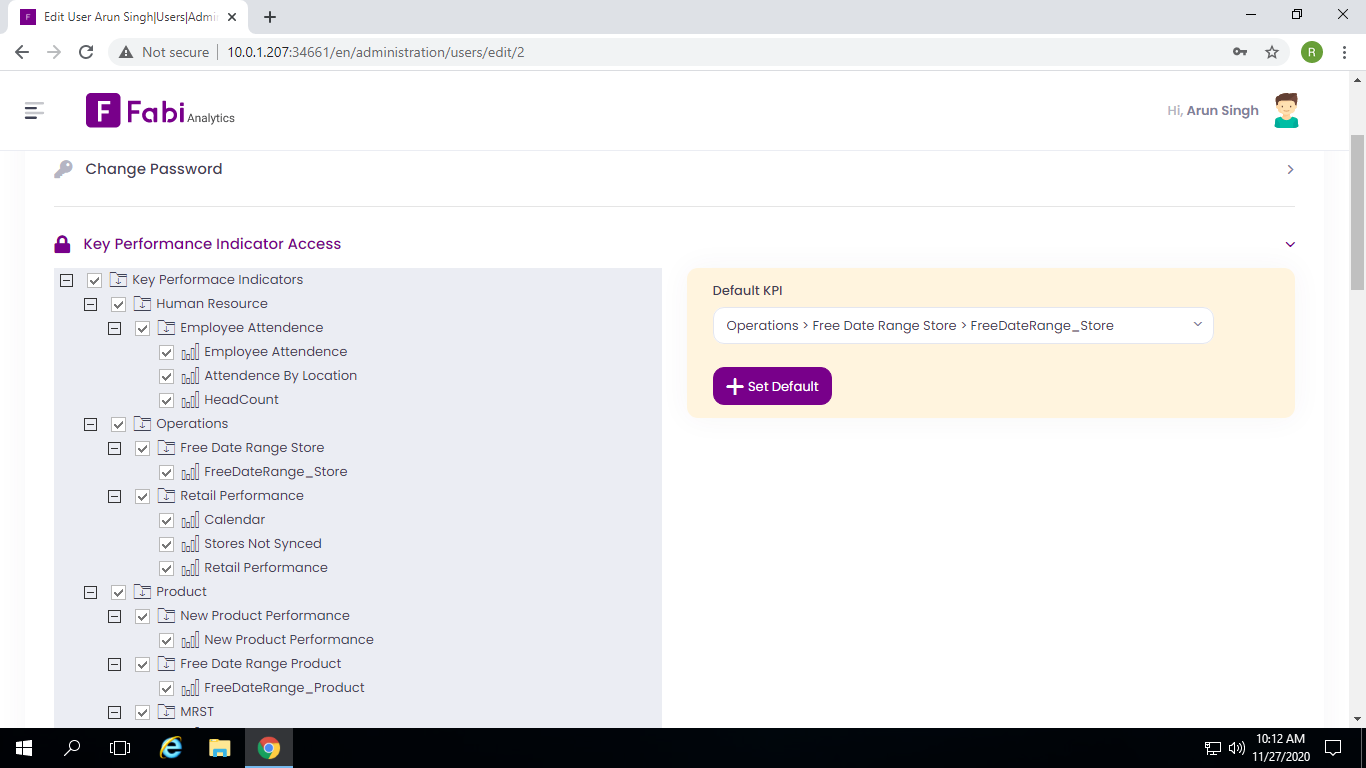


Admin User can change/Reset User Password.

Admin user can provide Tableau User ID Access to view KPI’s dashboard. As per configuration of user IDs of Tableau User name, respective KPI view authorization will be available to logged in user.

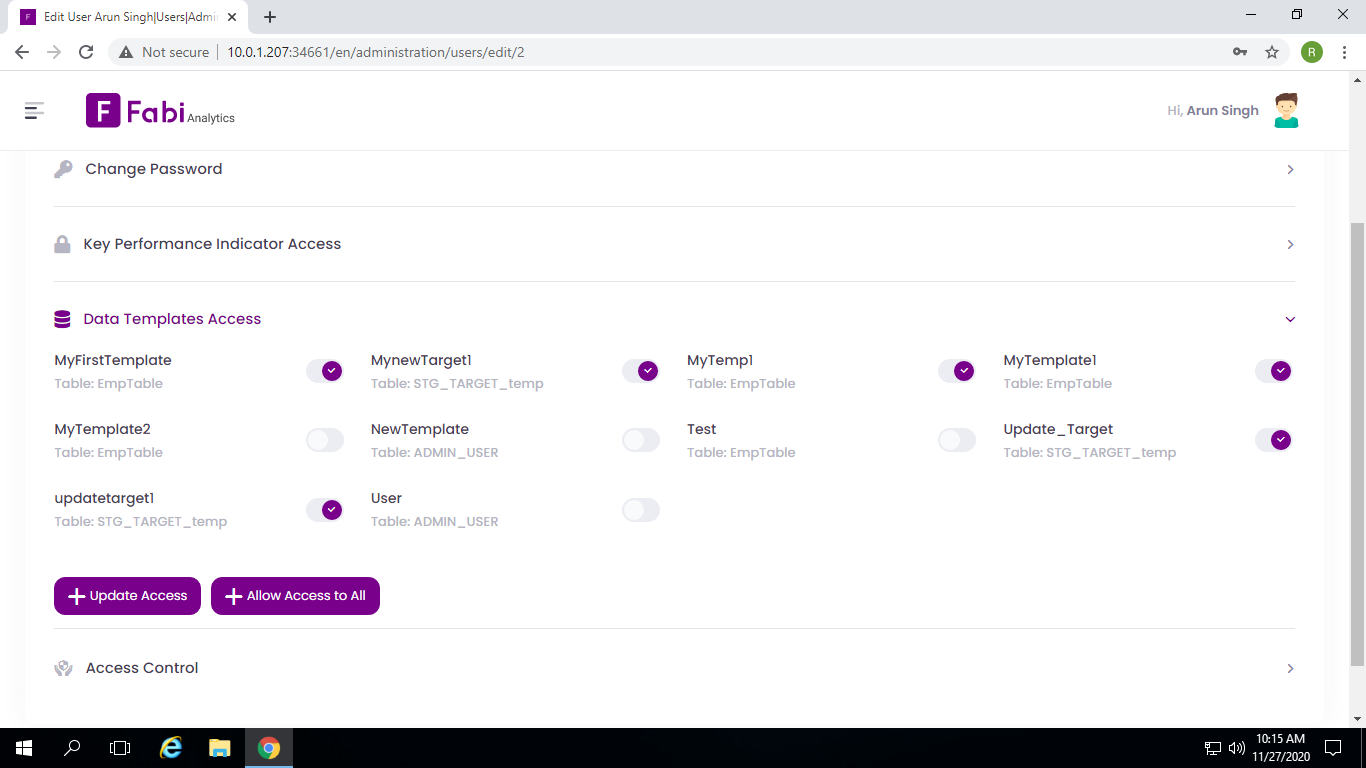
* **KPI AUTHORIZATIONS :**

Admin User can provide individual KPI access to user and can configure default KPI configurations.



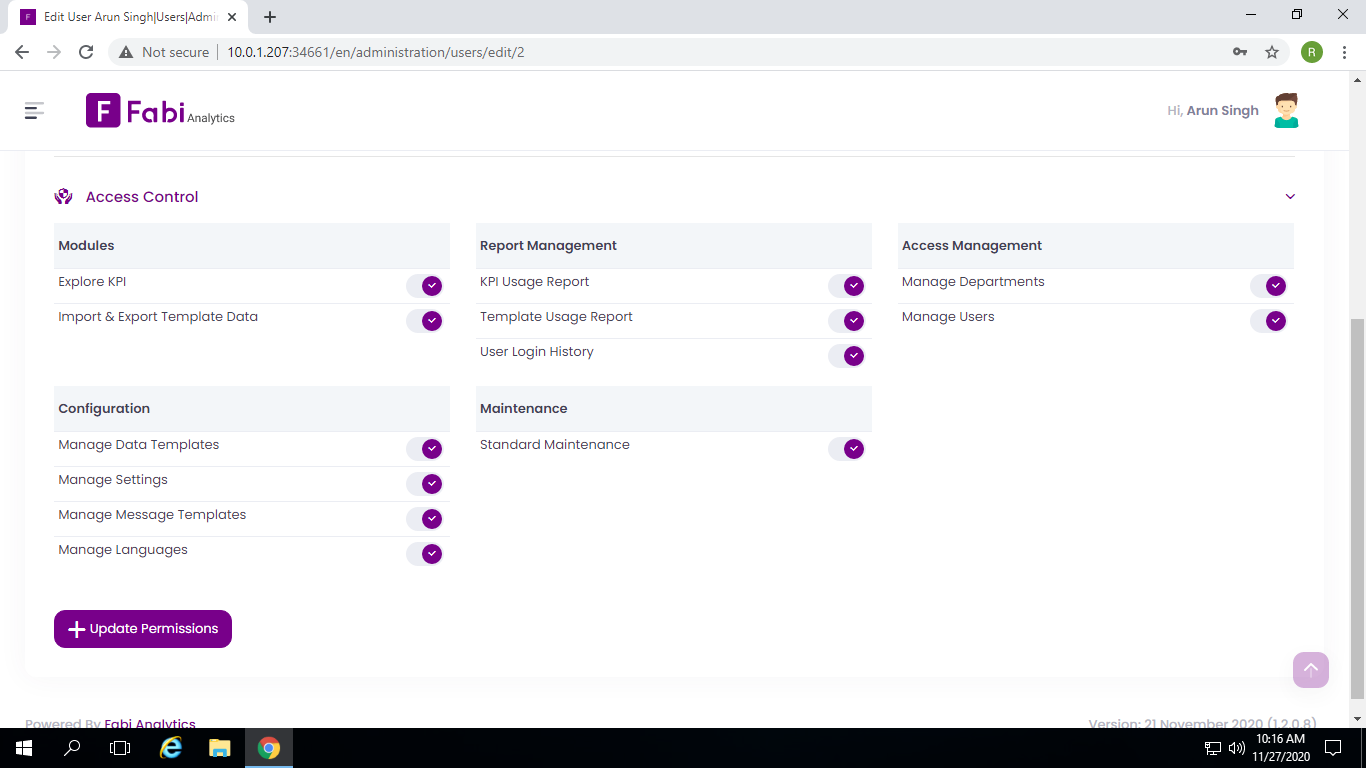
* **DATA TEMPLATE AUTHORIZATION :**

Admin User can provide Data Template Access of individual configured Templates.



* **APPLICATION AUTHORIZATION :**

Admin user can provide application functions authorization to individual user.



# Error Messages

All error messages in the application are stored in the database in the table ADMIN\_SYSTEM\_LOG

# Images configuration

Images are present in below mentioned folder

**Image Folder :**

<<Application Folder>>\wwwroot\images

**Login Page html :**

<<Application Folder>>\Views\Shared\\_Security.cshtml

**Header Logo**

<<Application Folder>>\Views\Shared\\_\_Header.cshtml

**Login Page Customer Image**

<<Application Folder>>\wwwroot\images\customerlogo.png

**Header small logo**

<<Application Folder>>\wwwroot\images\logo.png