

Quick Start Guide



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1.1 Purpose of this document

Welcome to the **MEDplat Quick Start Guide**.

This document intends to provide detailed information for the expedited setup and deployment of MEDplat. It is a useful go-to guide that gives an overall description of the flow of the system.

This document also outlines the different sets of tools and technologies used in the development of MEDplat.

1.2 Introduction to MEDplat

MEDplat is a comprehensive, low-code Public Health Management Solution, highly customizable and suitable for public and primary health implementations. It is a **point-of-care application** that provides an interface for healthcare providers through a **mobile app** and a **web interface**. This framework completely digitizes care delivery and management across all stakeholders.

It allows quick implementation in a **plug-and-play** sense while allowing ample customization abilities. Despite this, it is **robust** and can be **scaled up or down** based on the needs of the implementation.

1.3 Prerequisites

A complete list of tools & technologies used in the MEDplat application is given below.

Programming languages	1. Node
	2. Java 13
	3. Android
Database	1. PostgreSQL 15

IDE	1. Visual Studio Code
	2. IntelliJ IDEA OR Eclipse
	3. Android Studio

Other tools	1. Npm
	2. Bower

1.4 Process for configuration

→ Get a machine with the minimum hardware configuration specified in the table below.

Processor	64-bit processor with Second Level Address Translation (SLAT)
RAM	4 GB or more is recommended
Operating System	<p>For Windows:</p> <ul style="list-style-type: none"> • WSL version 1.1.3.0 or above. • Windows 11 64-bit: Home or Pro version 21H2 or higher, or Enterprise or Education version 21H2 or higher. • Windows 10 64-bit: Home or Pro 21H2 (build 19044) or higher, or Enterprise or Education 21H2 (build 19044) or higher. • Enable the WSL 2 feature on Windows. For detailed instructions, refer to the Microsoft documentation. <p>For Linux:</p> <ul style="list-style-type: none"> • 4-bit kernel and CPU support for virtualization. • KVM virtualization support. Follow the KVM virtualization support instructions to check if the KVM kernel modules are enabled and how to provide access to the kvm device. • QEMU must be version 5.2 or newer. We recommend upgrading to the latest version. • systemd init system. • Gnome, KDE, or MATE Desktop environment.

- For many Linux distros, the Gnome environment does not support tray icons. To add support for tray icons, you need to install a Gnome extension. For example, [ApplIndicator](#).

NOTE: Please ensure to install Docker and Docker Compose prior to the application configuration. You can easily download docker from the following link: <https://www.docker.com/>

To configure the MEDplat application, please follow the steps below.

Step 1) Docker Server & Mobile App

GitHub is being used as a source repository for the MEDplat application. The current URL for the source repository is <https://github.com/ArgusoftOpen/medplat.git>.

→ You need to clone the Git repository using the git command. To clone, Open the **Command prompt/Terminal**, and enter the below-given command.

```
git clone https://github.com/ArgusoftOpen/medplat.git
```

→ Open the project using IDE Visual Studio Code on the machine

→ Run the below given commands in order to install all the dependencies.

```
cd medplat  
  
docker-compose up --build
```

*The above command will take **10-15 minutes approx** in order to download all the dependencies.*

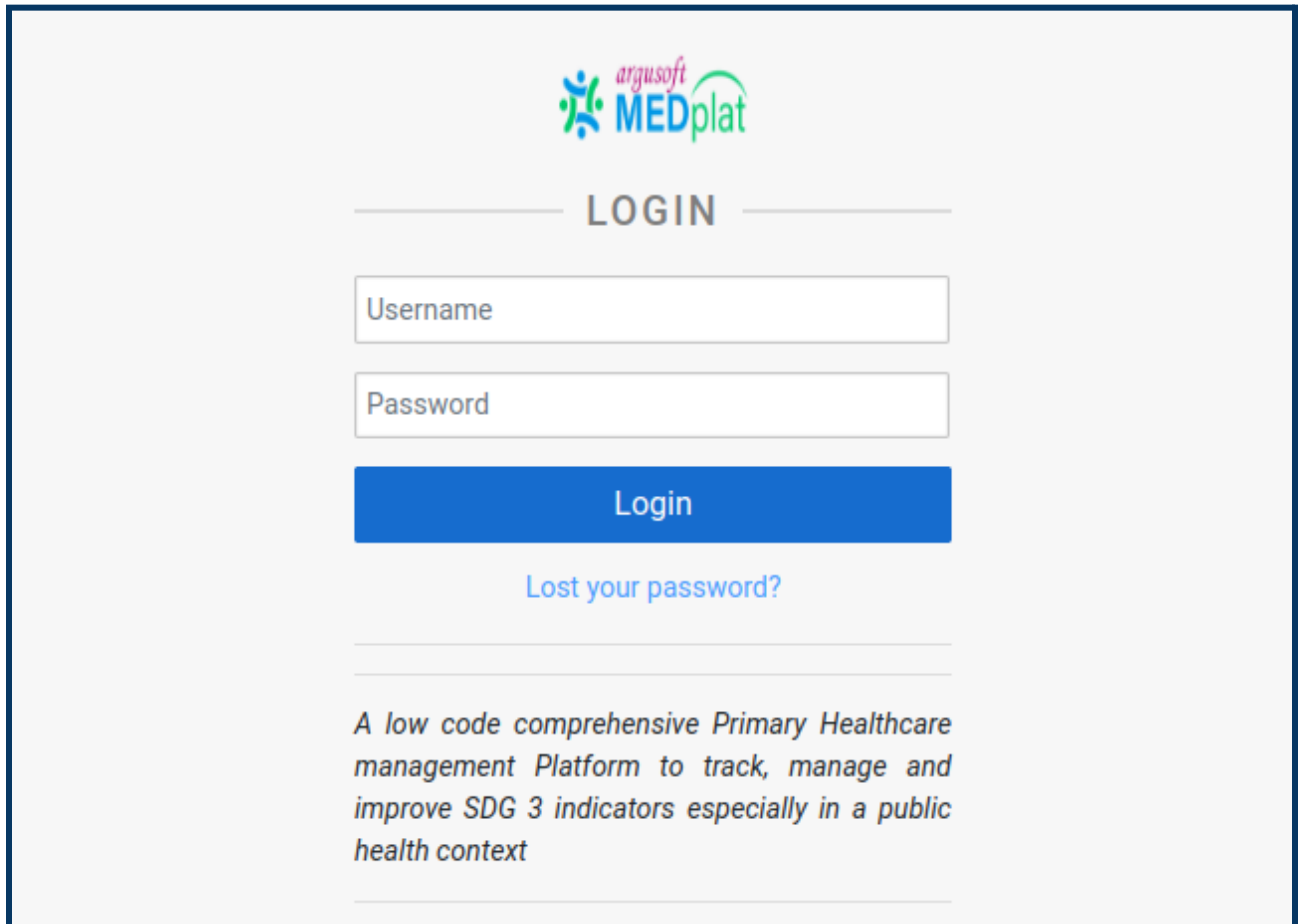
→ Once all the dependencies are installed successfully, please run the below command to Install the database related dependencies.

```
Docker ps
```

Once the command is executed successfully, all the database related dependencies will also be installed.

Step 2) Perform Login on the web

- You can access MEDplat at <http://localhost:8181>
- Login into the admin panel using the following credentials:
Username = **admin**
Password = **12345678**



argusoft
MEDplat

LOGIN

Username

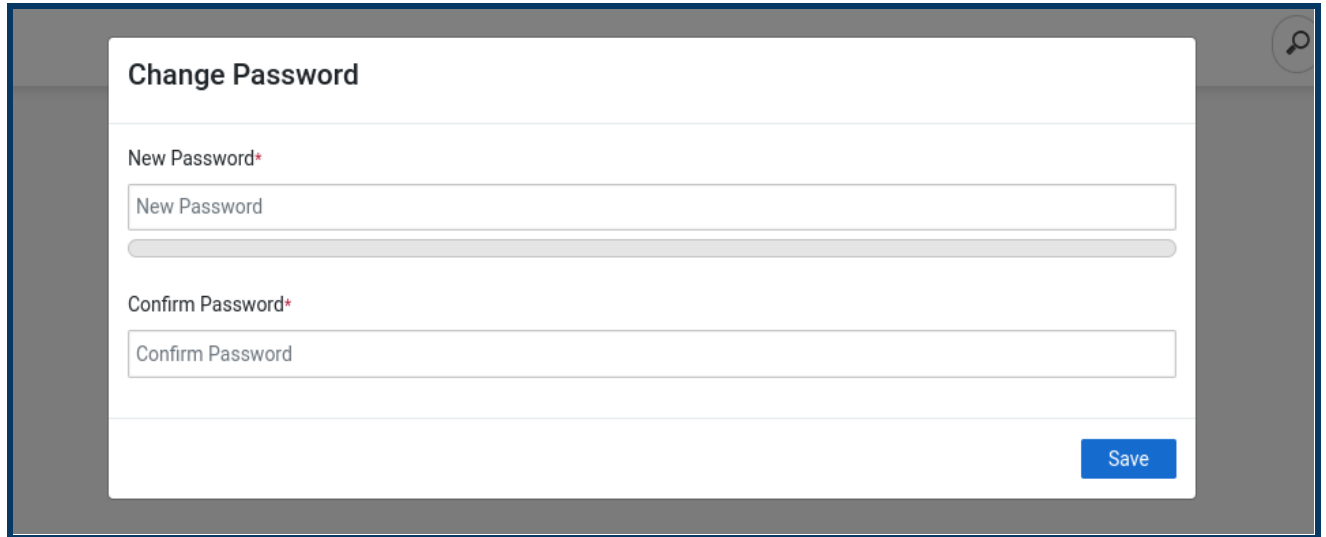
Password

Login

[Lost your password?](#)

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Please note that after performing login for the **first time**, you will be asked to change the password as shown below.



A screenshot of a web application's 'Change Password' form. The form is white with a dark blue border. It contains two input fields: 'New Password*' and 'Confirm Password*'. Below the 'New Password*' field is a horizontal progress bar. At the bottom right of the form is a blue 'Save' button. The background is a dark grey gradient with a magnifying glass icon in the top right corner.

Change Password

New Password*

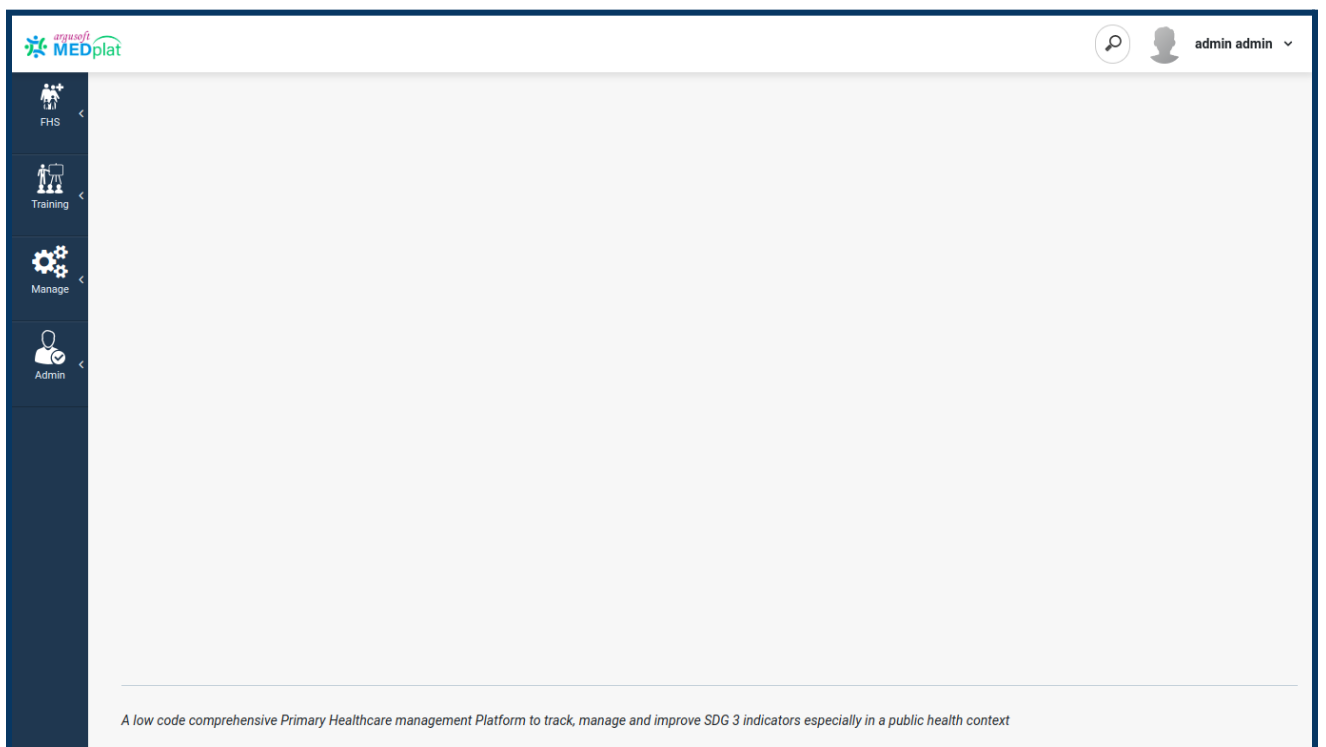
New Password

Confirm Password*

Confirm Password

Save

After successful login, the following screen will appear.



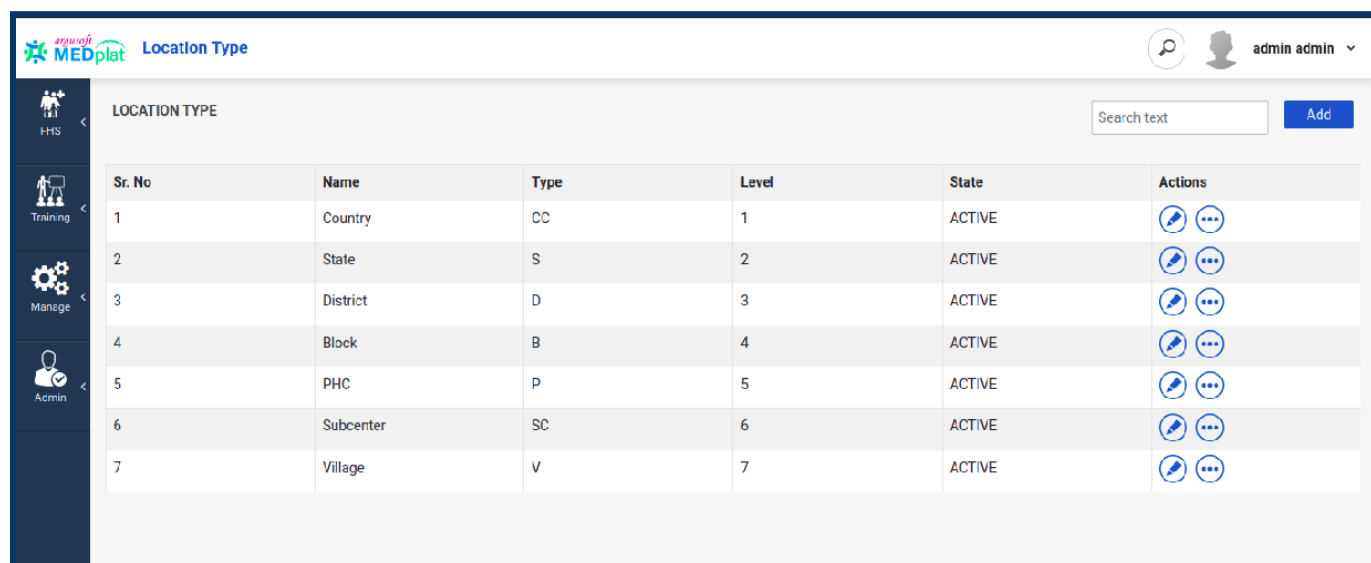
Step 3) Adding location type

Once the environment is set up successfully, the next step is to feed **location information**. The location hierarchy of any country/context must be defined beforehand. On the basis of location hierarchy, appropriate types need to be created and then the locations can be added.


MEDPlat allows you to add any location type relevant to your context. In brief, it is necessary for MEDPlat to recognize the location hierarchy of the country.

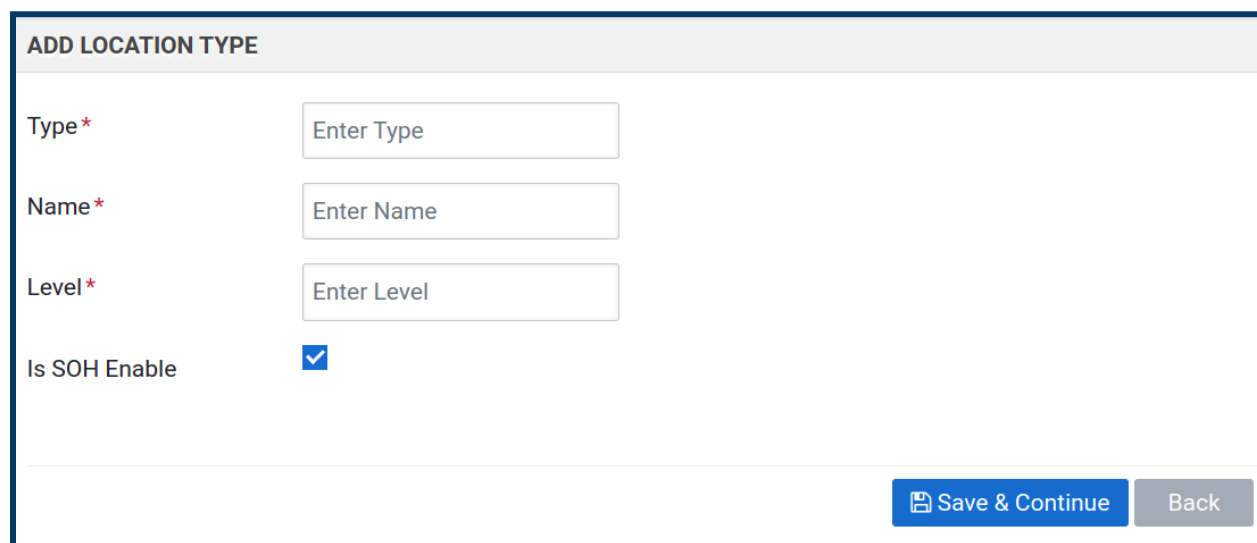
To add a location type, follow the steps given below.

- Navigate to **Manage** > click on '**Location Type**', and the following screen will appear



Sr. No	Name	Type	Level	State	Actions
1	Country	CC	1	ACTIVE	
2	State	S	2	ACTIVE	
3	District	D	3	ACTIVE	
4	Block	B	4	ACTIVE	
5	PHC	P	5	ACTIVE	
6	Subcenter	SC	6	ACTIVE	
7	Village	V	7	ACTIVE	

- Click on  visible on the top-right corner to add a new location type, and you will see the following screen



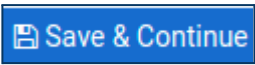
ADD LOCATION TYPE

Type*

Name*

Level*

Is SOH Enable ☒

- Enter the **type*** of location. It is a shortcode for the location type e.g., 's' for State. **[Mandatory]**
- Enter the **name*** of the location type e.g., Country, State, etc. **[Mandatory]**
- Enter the **level*** of location type. 'Level' describes the position at which the type occurs in the location hierarchy e.g., Country has level 1, State/Province has level 2, etc. **[Mandatory]**
- Click on , and you will see a notification and the location type will be added.

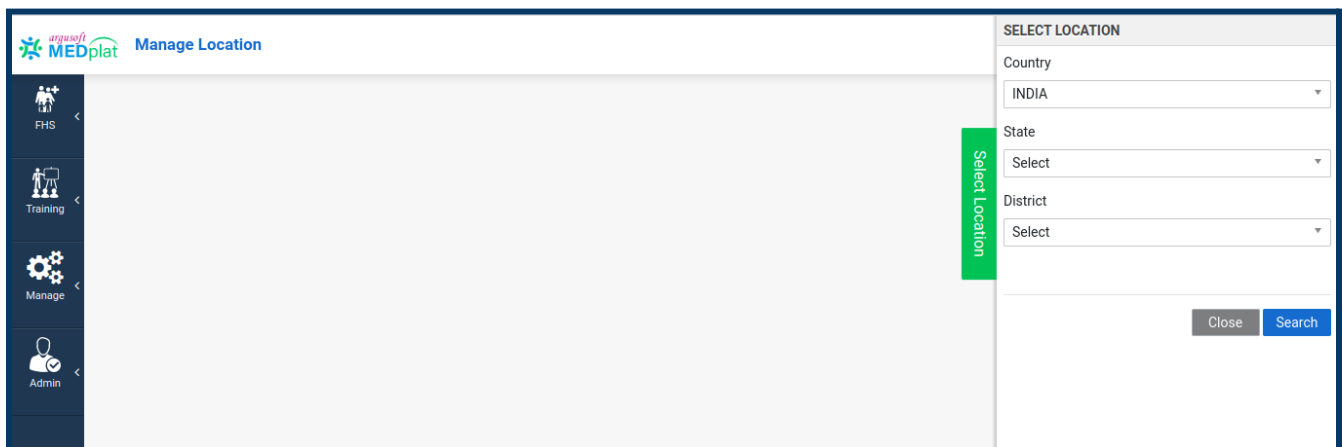
Similarly, add all the location types that are relevant to the context.

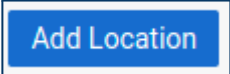
Step 4) Adding location

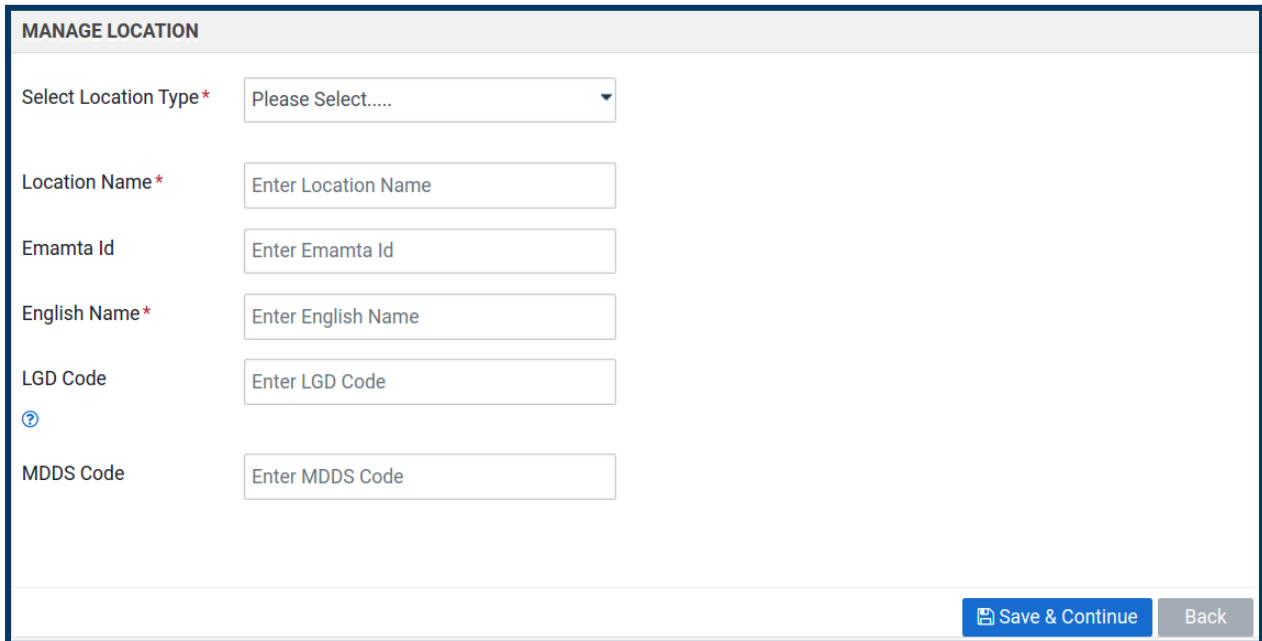
MEDPlat has a dedicated feature named '**Locations**' to add the location information belonging to the context/country or any geographical region. Location is termed as a particular place or a region that can be categorized into a specific type. Thus, each location is associated with a location type.

To add a location, follow the steps given below.

- Navigate to **Manage** > click on '**Locations**', and the following screen will appear



- Click on , and the following screen will open.

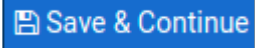


The image shows a web form titled "MANAGE LOCATION". It contains several input fields: a dropdown menu for "Select Location Type*" with the text "Please Select.....", and text input fields for "Location Name*", "Emamta Id", "English Name*", "LGD Code", and "MDDS Code". Each text input field has a placeholder text "Enter [field name]". There is a small blue question mark icon next to the "LGD Code" label. At the bottom right of the form, there are two buttons: "Save & Continue" and "Back".

- Select the **location type** for which you wish to add the location from the drop-down i.e., State **[Mandatory]**
- Enter the **location name** in any language e.g., गुजरात. The name entered here will be used everywhere throughout MEDPlat. **[Mandatory]**
- Enter the **English name** of your location e.g., Gujarat **[Mandatory]**
- Enter the **LGD Code** of your location. It is a unique code for each local government body of India. To get more information, please visit <https://lgdirectory.gov.in/>

- Enter the **MDDS Code** of your location.

NOTE: Please ensure that all the above fields are entered correctly.


- Click on , and the location will be added.

Similarly, you can add all the locations under different location types.

Step 5) Role

Medplat has different features in web and mobile applications. For these features, we will require different users for web and mobile applications. Each user must be associated with a role according to the responsibilities of that user. It is mandatory to create a role before creating the user. A role can be associated with a particular location type where a user will be providing services. There is a varied set of roles depending on the country/context.

To add a new role, follow the steps given below:

- Navigate to **Admin > Role >** Click on  to add a new role and the following screen will open

ADD ROLE

Role Name *

Role name

Location

Select Some Options

Max position

Mandatory Fields

☐ Email
☐ Aadhar Number
☐ Contact Number
☐ Convex Id
☐ Asha Id

Can Manage Role

Select Some Options

Can Lead Role

Select Some Options

Can Manage Team

Select Some Options

Self Manage

☐

Health Infrastructure Type

Select Some Options

Category

Select Some Options

Title

Select Title


Add Role

Close

- Enter the **Role Name** e.g., ANM **[Mandatory]**
- **Location:** Select the location type where the user of this role will be providing the services e.g., ANM user will be providing services at the sub-center level. So, for the ANM role, we will add a subcenter under location.
- **Max position:** Enter the maximum no. of users that you want to create for this role at a particular location e.g., 1 - This means that only 1 ANM user will be created at a particular subcenter. It is recommended that we mention this count so that only required users are created at a particular location.
- **Mandatory Field:** If we require the below information to be collected from the user while adding a new user, then it must be marked as true.
 - **Email:** If marked as true, then the **email** must be entered while creating a new user.
 - **Aadhar Number:** If marked as true, then the **Aadhar Number** must be entered while creating a new user.
 - **Contact Number:** If marked as true, then the **Contact Number** must be entered while creating a new user.

- **Can Manage Role:** Select the role(s) that will be managed by this role. Here the list of already added roles will be shown. While creating a new role, if we want to provide rights to the new role to manage the existing roles, then we can select one or more roles from the list shown e.g., while adding an **Admin** role, if we want the admin user to manage the ANM role, then we must select the **ANM** role from here. This means that the admin user will be able to manage the ANM role and also add or update users of the ANM role.
- **Self-Manage:** It's recommended to mark self-manage as true while creating a new role so that newly created role can add or update their own role and also add or update the users e.g., while adding an admin role, if we mark this option as true, then all users of the admin role will be able to manage the admin role and also add or update users of the admin role.
- **Health Infrastructure Type:** Select the health infrastructure type. We can associate a role to a particular health infrastructure type where the users of this role will be providing the services e.g., we can associate district type of health infrastructures with a district MO role. So, while creating a user of a district MO, we will be able to associate a particular district hospital with this user.
- **Category:** Select the category.



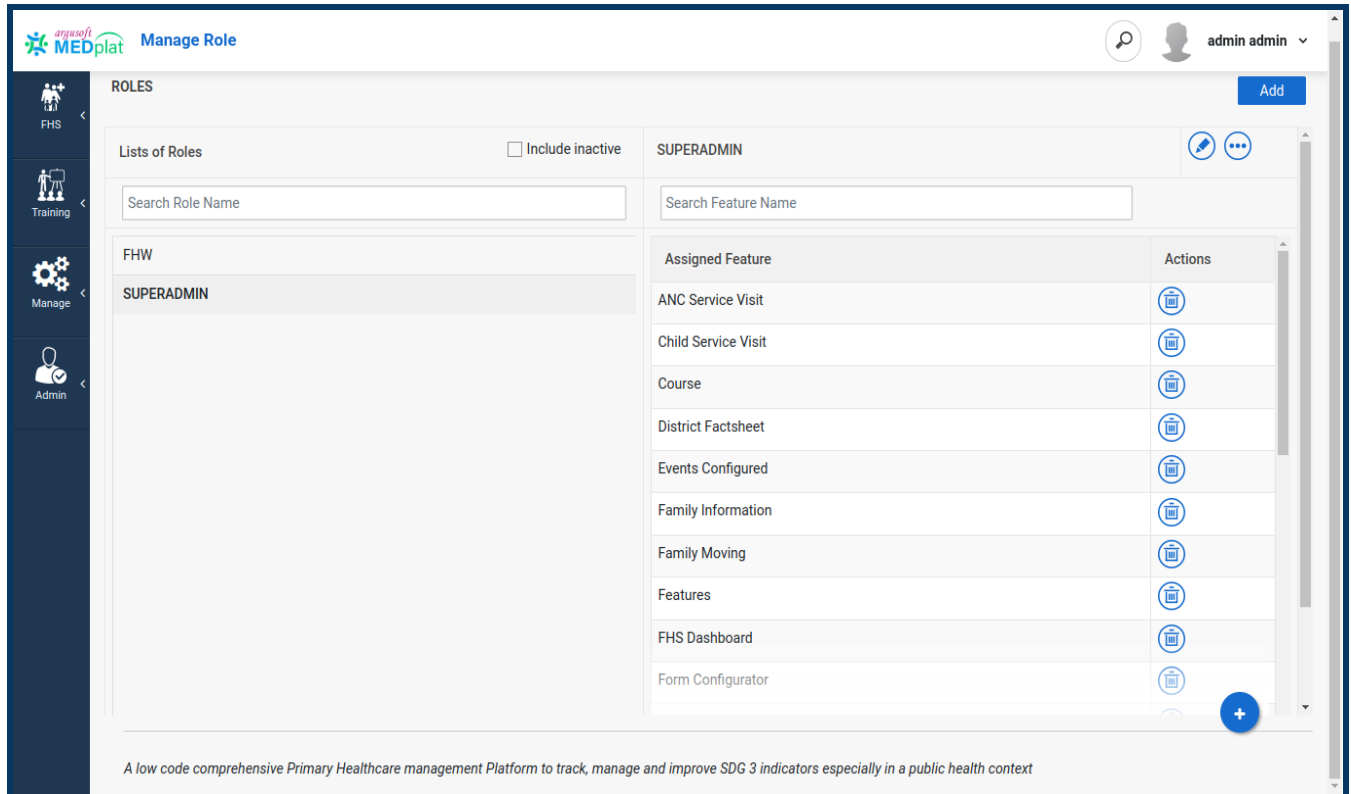
- Click on  and the role will be added successfully and listed in the list of roles.

Step 6) Update SuperAdmin Role

- On the right side, search for the Super Admin role from the list of roles > click on the **edit**




icon







- Under **Can Manage Role**, select the role(s) that will be managed by this role. Here the list of already added roles will be shown e.g., ANM > click on **Update Role**, and the role will be updated.



Step 7) Users



- Navigate to **Manage** > click on '**Users**', and the following screen will appear



List Of Users
admin admin

 FHS
  Training
  Manage
  Admin

USERS


Add







#	Username	Name	Role	Phone No	Area of Intervention	Health Infrastructure	Device ID	User Status	Action
1	admin	admin admin	SUPERADMIN	N.A	INDIA	N.A	N.A	ACTIVE	 



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- Click on Add to start adding the user, and the following screen will open.


Manage User
admin admin

 FHS
  Training
  Manage
  Admin

ADD USER

User details

User Role*

Please Select...

Title

Mr.

First Name*

Enter First Name

Middle Name

Enter Middle Name

Last Name

Enter Last Name


Gender*

☒ Male
 ☐ Female


User Name*

Enter user Name

Password*



Confirm Password*



Phone Number

Enter Phone Number

Email

Enter valid email

Preferred Language*

English

Area of Intervention

Country*

INDIA

State

Select

District


Select

Add

Added Areas

- **User Role:** Select the role of this user from the drop-down list e.g., ANM [Mandatory]
- **Title:** Select the title e.g., Ms.
- **First Name:** Enter the first name of the user [Mandatory]
- **Middle Name:** Enter the middle name of the user.
- **Last Name:** Enter the last name of the user [Mandatory]
- **Gender:** Click on any of the radio buttons to select the gender [Mandatory]
- **User Name:** Enter the username [Mandatory]
- **Password:** Enter the password [Mandatory]
- **Confirm Password:** Re-enter the password added in the above password field [Mandatory]
- **CUG Phone Number:** Enter the valid phone number of the user.
- **Email:** Enter the valid email address of the user.
- **Adhar Number:** Enter the valid Aadhar number of the user.
- **Preferred Language:** Select the preferred language [Mandatory]
- Select the **Area of Intervention**. Select the location according to the location type set while creating the role. This is the location where the user will be performing the assigned tasks or providing services to the beneficiaries. For example, while adding the user of the ANM role, it will be mandatory to select the location up to the sub center. Click on **Add** button, and make sure that location is added under the '**Added Areas**' section

Note: In the same way, we can associate the user with multiple **areas of intervention**.

- Click on  to save this user list. Details of this user will be displayed in the list of users.