

MCL Technologies

MCL Developer Kit - Quick Start Guide

V3.0

Copyright MCL Technologies ©2022

All Rights Reserved





Contents

1. <i>MCL-Mobility Platform</i> Architecture.....	2
2. Setting Up your <i>MCL-Mobility Platform</i> Account	3
3. Setting Up <i>MCL-Designer</i> (Adding a Development Station)	4
4. Setting Up <i>MCL-Net</i> (Pairing a Server)	6
5. Setting Up your Device (<i>MCL-Agent</i>)	7
6. Setting Up your Device (<i>MCL-Client</i>).....	9
6.1 Create a Configuration.....	9
6.2 Plan a Deployment.....	10

1. MCL-Mobility Platform Architecture

The image below displays the available services and the products associated to *MCL-Mobility Platform 1.4*.



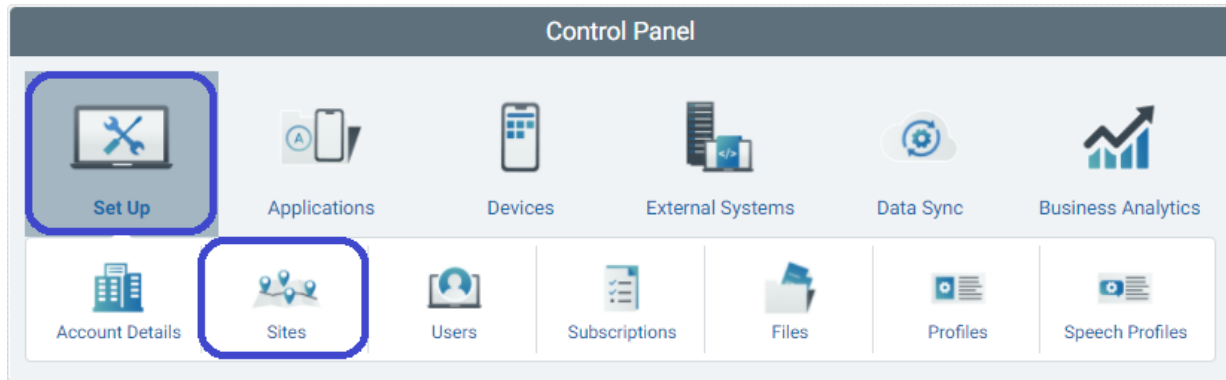
For more information on *MCL-Mobility Platform* and *MCL* products, check the following chapters in the corresponding user guide:

[MCL-Mobility Platform](#)

[MCL Collection](#)

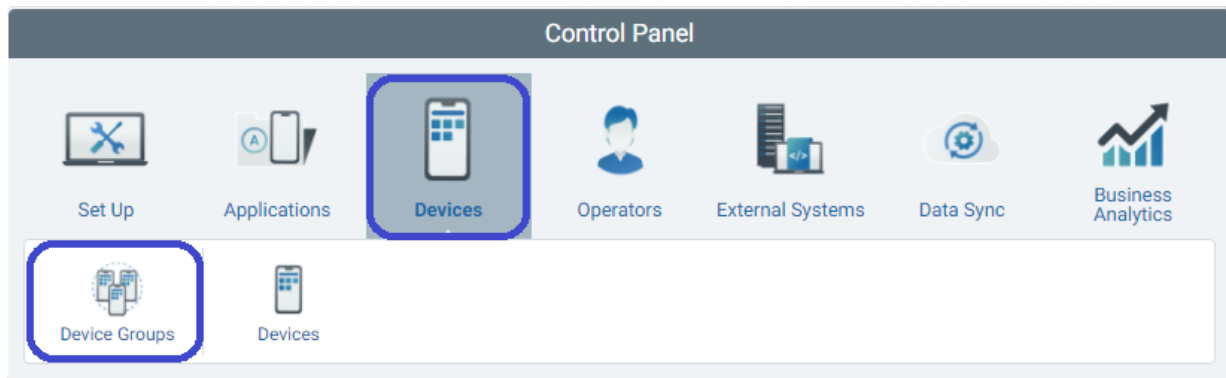
2. Setting Up your *MCL-Mobility Platform* Account

Once you receive an *MCL-Mobility Platform* subscription and create your account, you are ready to create the first site in the Admin Dashboard.



For more information on adding a site, check the [MCL-Mobility Platform User Guide](#).

Now that you have a site, open it to access its Site Dashboard and create device groups so you can add devices to the site, later on.



The device group(s) you create must be compatible with the devices to be paired to the site.
Ex: If you intended to pair *Zebra Android TC51* devices, you **MUST** create a device group that accepts that device model.

For more information on creating a device group, check the [MCL-Mobility Platform User Guide](#).

3. Setting Up *MCL-Designer* (Adding a Development Station)

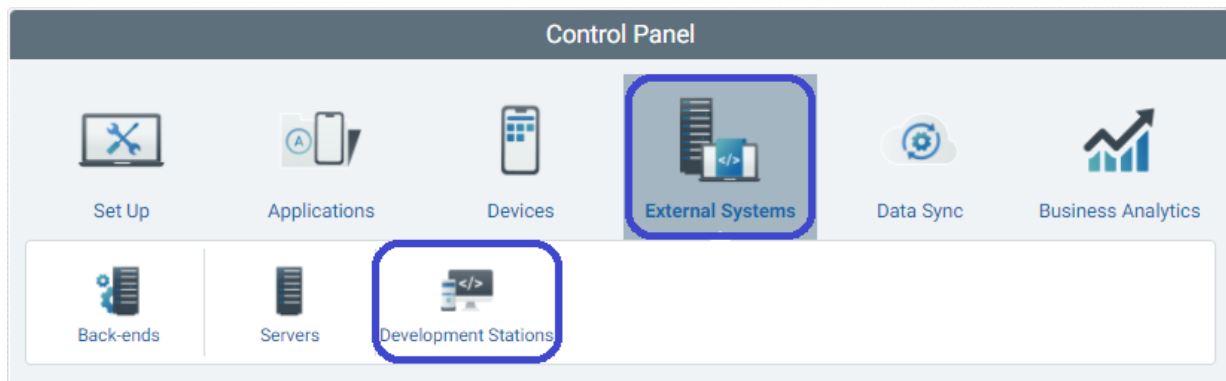
Download *MCL-Designer* V4 [here](#).

Follow the installation steps described in the [MCL-Designer V4 User Guide](#).

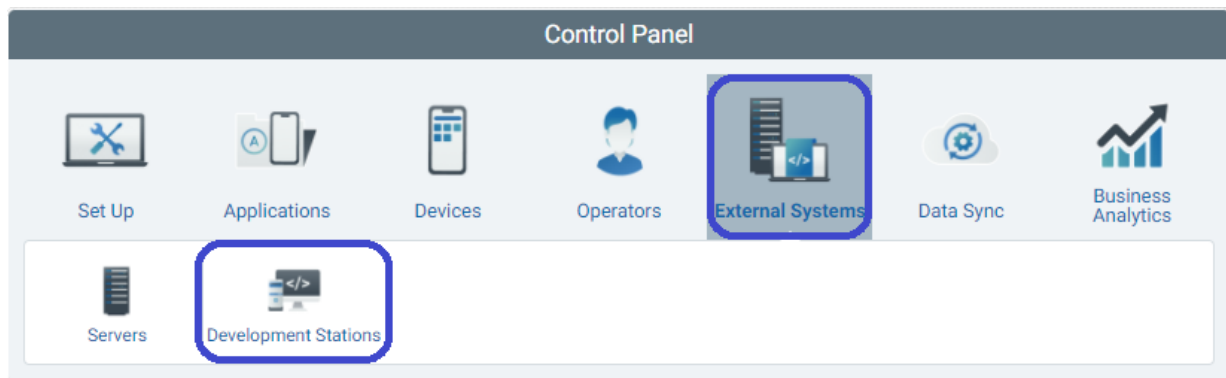
MCL-Designer is a B2B Mobile Application Development tool that can be integrated into your *MCL-Mobility Platform* account so you can manage the *MCL* applications you develop. *MCL-Designer* licenses (= subscription type licenses) are managed at platform level using development stations.

You can create a development station at account level (if you want to associate the development station to the account or to a specific site) or at site level – you access a site and add a development station that will only be linked to that site.

Access the Admin Dashboard or...



... the Site Dashboard of the intended site and add a development station.



For more information on adding a development station at account or site level, check the *MCL-Mobility Platform* User Guide:

[Adding a Development Station - Account Level](#).

[Adding a Development Station - Site Level](#).

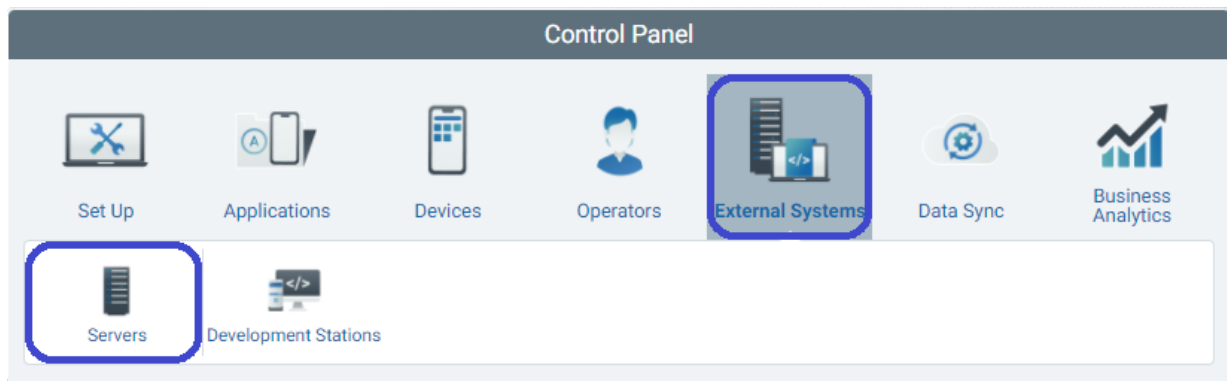
After adding a development station, you must retrieve the corresponding pairing file (= pairing key) to be able to pair your *MCL-Designer* subscription to the development station. This pairing key will be used in the activation of your *MCL-Designer's* subscription (after *MCL-Designer* has been installed in a computer).

Follow the instructions provided by the [MCL Mobility Platform User Guide](#) to retrieve the pairing key and refer to the [MCL-Designer User Guide](#) for more details on the subscription activation/pairing procedure.

4. Setting Up *MCL-Net* (Pairing a Server)

Download *MCL-Net* [here](#).


The standard installation/activation of an *MCL-Net* subscription and its pairing to your *MCL-Mobility Platform* account is one sequential operation – it requires simultaneous steps in *MCL-Net*'s installer wizard and in the *MCL-Mobility Platform* account.



For more information on *MCL-Net* installation/activation and pairing with a server, check the [MCL-Mobility Platform](#) and [MCL-Net](#) User Guides.

5. Setting Up your Device (*MCL-Agent*)

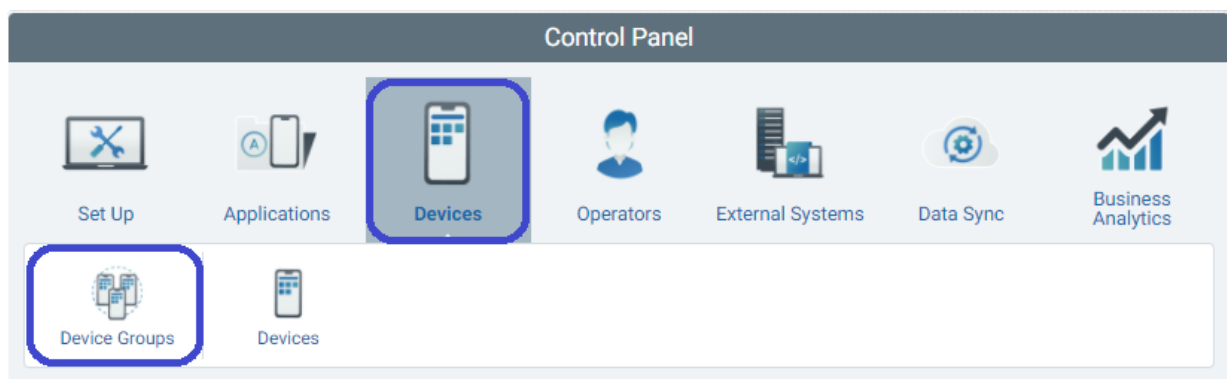
After creating the required device groups, you are ready to set up your devices in the site you created:

1. Start by downloading the appropriate *MCL-Agent* for your device [here](#) – it MUST be compatible with your device’s manufacturer, model and OS.
2. Copy the CAB (APK, in case of an *Android* device) to your device and install it. Make sure the device is connected to a network with Internet access.
3. Run *MCL-Agent* in the device and open *MCL’s App Desktop*.
4. Press  (located on the screen's upper right corner) to access the *App Desktop’s* “Staging” menu option.

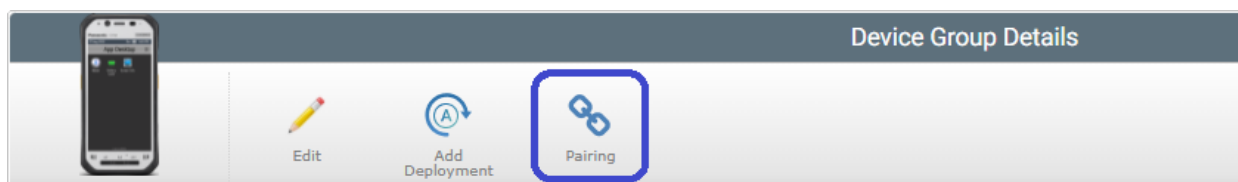


Whenever possible, use the Automatic Pairing/Staging option to pair devices.
For more information on pairing, check the [MCL-Mobility Platform User Guide](#).

5. Continue the pairing process in the site you want to associate the devices to. Access the site and, then, the “Device Groups” sub-module to open the device group you have already created.



6. Open the device group’s *details* page and select the “Pairing” option to pair the device into that device group.



For more detailed information on the Automatic Pairing of devices onto a device group, refer to the [MCL-Mobility Platform User Guide](#).

7. After pairing your device, check its status and, if necessary, change it to “Enabled”. For more information on changing the status of a device, check the [MCL-Mobility Platform User Guide](#).



At this point, the device is connected to your *MCL-Mobility Platform* account but you are still required to install *MCL-Client* so you can run the applications you created in *MCL-Designer*.

6. Setting Up your Device (*MCL-Client*)

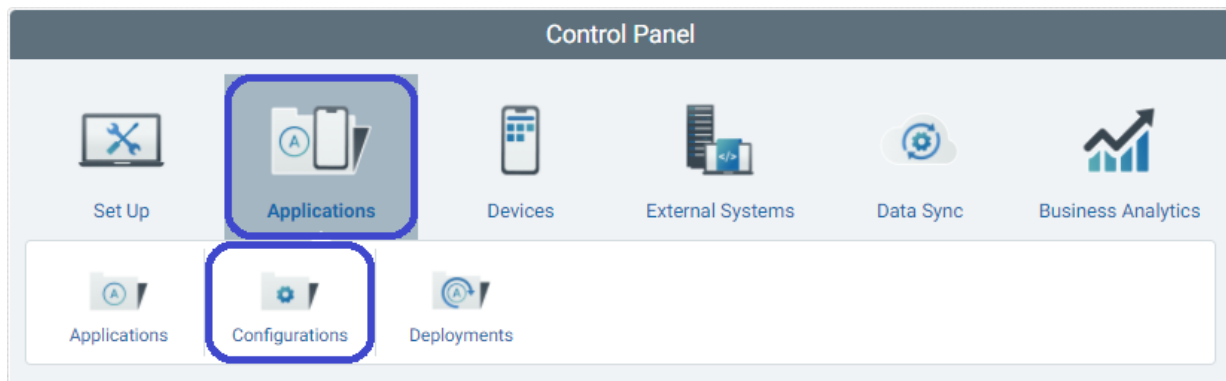
Once the pairing is concluded, you need to create a configuration that includes the compatible/up-to-date *MCL-Client* and deploy it to your device.

6.1 Create a Configuration

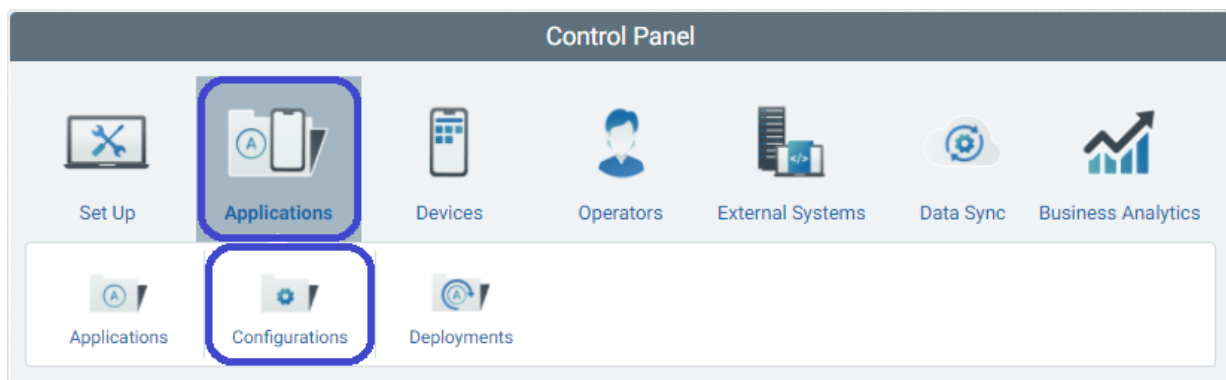
A configuration is a container that includes specific *MCL* firmware, applications and/or other resources to be deployed to your devices (which must be included in a device group).

You can create configurations at account level (at this level, you can decide if the configuration is available to all sites in the account or just to a specific site) or at site level (the configuration will only be available to the site it is created in).

To create a configuration, access the account (= Admin Dashboard) or...



... the intended site (= Site Dashboard) and use the corresponding option.



For more information on creating a configuration at account level and/or site level, refer to the *MCL-Mobility Platform User Guide*:

[Creating a Configuration - Account Level.](#)

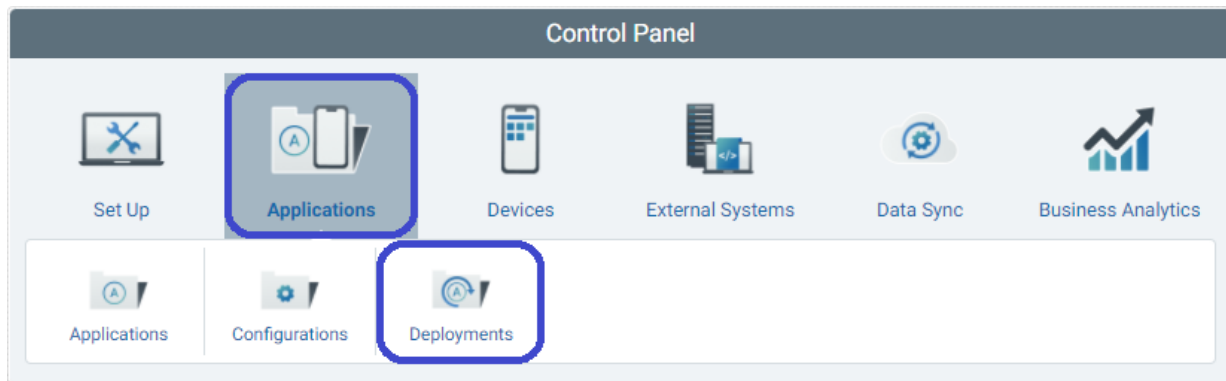
[Creating a Configuration - Site Level.](#)

6.2 Plan a Deployment

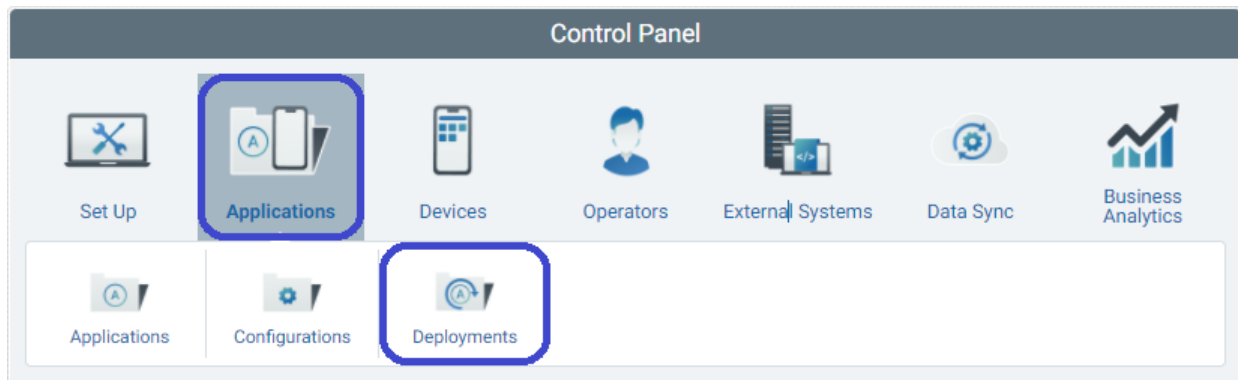
A deployment is the task that sends the assigned configuration to your devices – it targets the device group that includes the intended devices.

It is possible to plan deployments at account or site level. If planned at account level, you can deploy the configuration to all the sites or just to a specific site. If the deployment is scheduled within a specific site, it will only be able to target the device group(s) contained in that site.

Access the Admin Dashboard of your account or...



... the Site Dashboard of the intended site to plan the deployment of your configuration.



For more information on planning a deployment at account and/or site level refer to the *MCL-Mobility Platform User Guide*.

[Planning a Deployment - Account Level.](#)

[Planning a Deployment - Site Level.](#)

If required, you can define a deployment profile to implement your choice of deployment criteria.

A deployment profile can be created at account level to have it available to all the sites (or just a specific site) or within a site (the deployment profile can ONLY be applied to deployments within that site).

Refer to the *MCL-Mobility Platform User Guide* for more information on creating a Deployment Profile at [account](#) and/or [site](#) level.