# 如何将 Milesight 的网关和设备集成到 Actility OCP 平台

| Version Change Log | | | |
|---|---|---|---|
| Version | Revision Date | Revision Details | Revised By |
| V1.0 | 20250325 | Initial | Lockon |
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# 前言

Actility 的 OCP（On-Premise Core Platform）是 ThingPark Enterprise（TPE）平台的本地化部署版本，可安装在本地服务器或虚拟机上，也支持云端部署（如 AWS、Azure）。TPE-OCP 允许用户管理 LoRaWAN 网络，包括设备连接、网关监控、数据路由等功能。它支持高可用性集群部署，并提供在线和离线安装模式，以适应不同的 IT 环境 。

本文主要介绍如何使用 UG65 网关直接对接 Actility-OCP 平台，并且在 Actility-OCP 平台上面添加 UC300 设备作为示例的完整操作过程。

# 1. 前置条件

- 网关型号：UG65（临时固件版本 v60.0.0.45-t4）或者 UG67 也可以
- 传感器型号：UC300
- 本文演示用到的频段：EU868
- 网关已经接入互联网

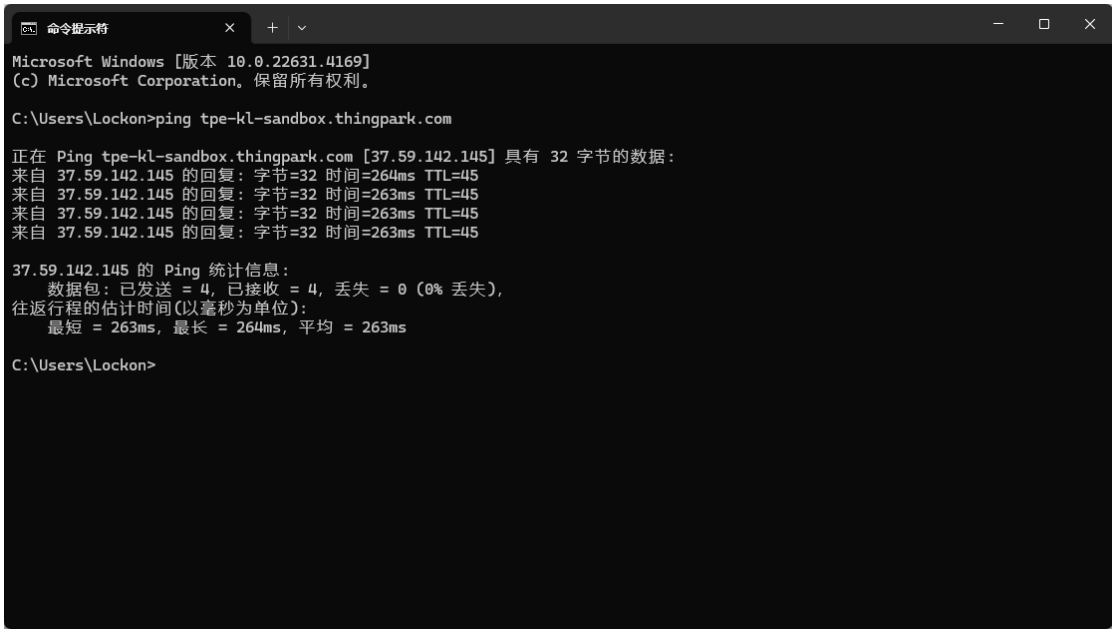
# 2. 获取 OCP 平台账号

本文主要借助 Actility 的 Actility-OCP 公共测试环境进行演示。
https://tpe-kl-sandbox.thingpark.com/
用户名： zhangjb@milesight.com
密码： (不予显示)

# 3. 配置网关

## 3.1. 获取 Actility-OCP 平台 IP 地址

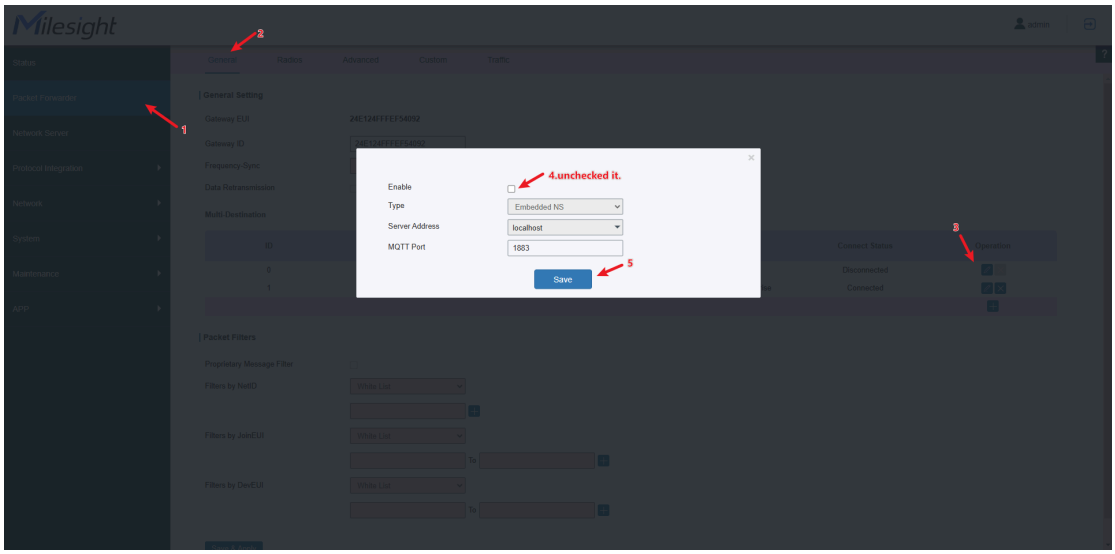
使用 Windows 自带的 ping 工具即可，如图操作：



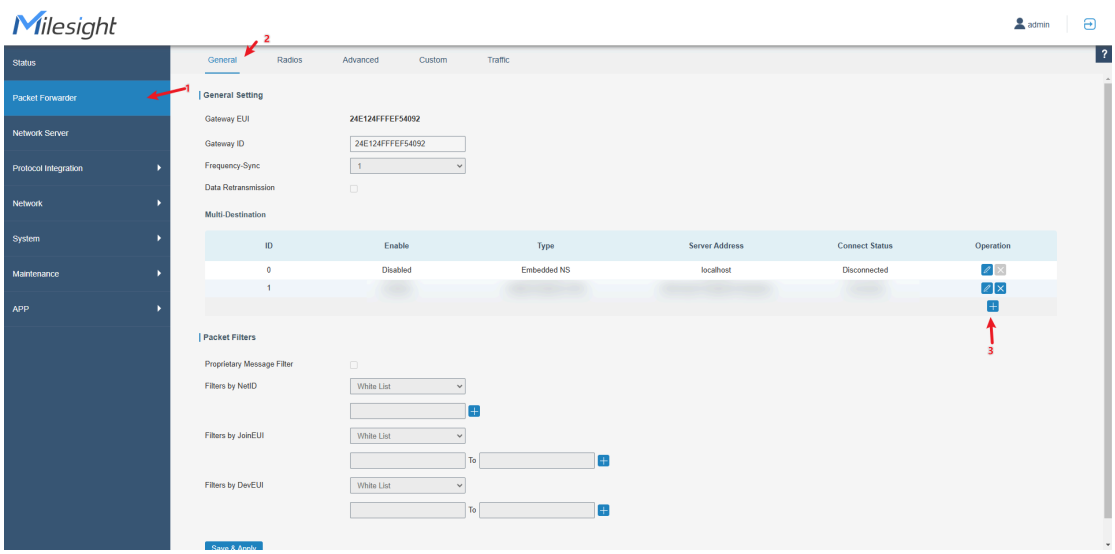

如图我们可以看到 OCP 平台的 IP 地址是 37.59.142.145 。

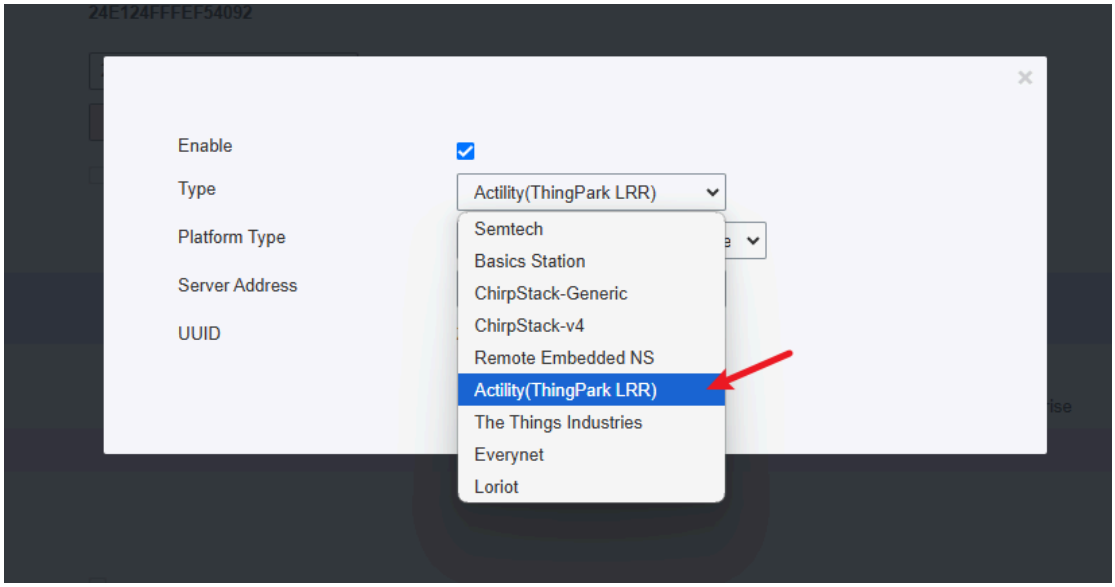
## 3.2. 配置 Packet Forwarder 参数

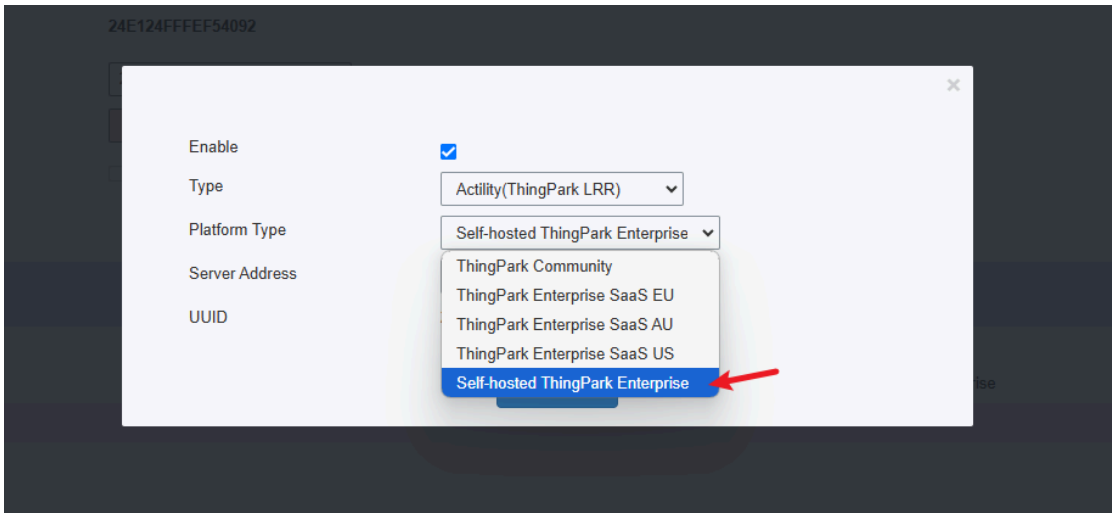
首先禁用内置 NS:

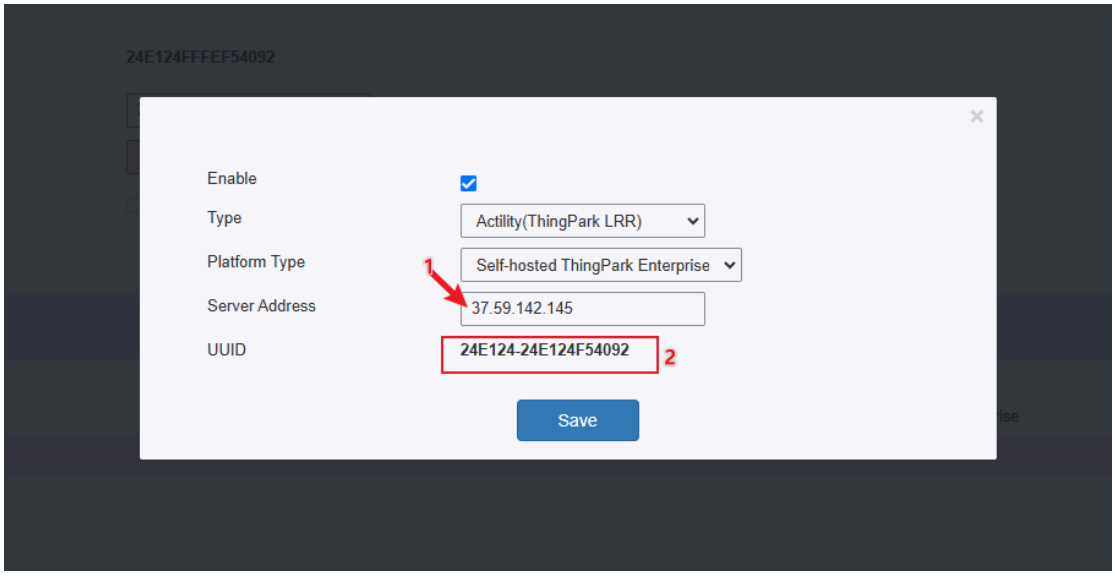



然后如图进行配置:

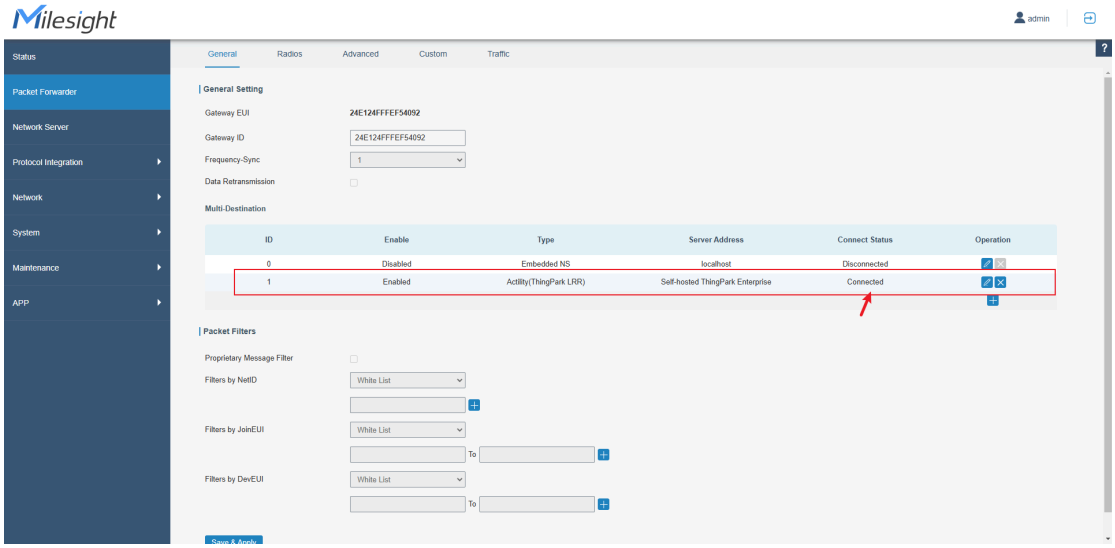

Milesight
admin
Status
Packet Forwarder
Network Server
Protocol Integration
Network
System
Maintenance
APP
General
Radios
Advanced
Custom
Traffic
General Setting
Gateway EUI
24E124FFFEF54092
Gateway ID
24E124FFFEF54092
Frequency-Sync
Data Retransmission
Multi-Destination
ID
Enable
Type
Server Address
Connect Status
Operation
0
Disabled
Embedded NS
localhost
Disconnected
Packet Filters
Proprietary Message Filter
Filters by NetID
Filters by JoinEUI
Filters by DevEUI
White List
To
1
2
3


Enable
Type
Platform Type
Server Address
UUID
Actility(ThingPark LRR)
Semtech
Basics Station
ChirpStack-Generic
ChirpStack-v4
Remote Embedded NS
Actility(ThingPark LRR)
The Things Industries
Everynet
Loriot


Enable
Type
Platform Type
Server Address
UUID
Actility(ThingPark LRR)
Self-hosted ThingPark Enterprise
ThingPark Community
ThingPark Enterprise SaaS EU
ThingPark Enterprise SaaS AU
ThingPark Enterprise SaaS US
Self-hosted ThingPark Enterprise



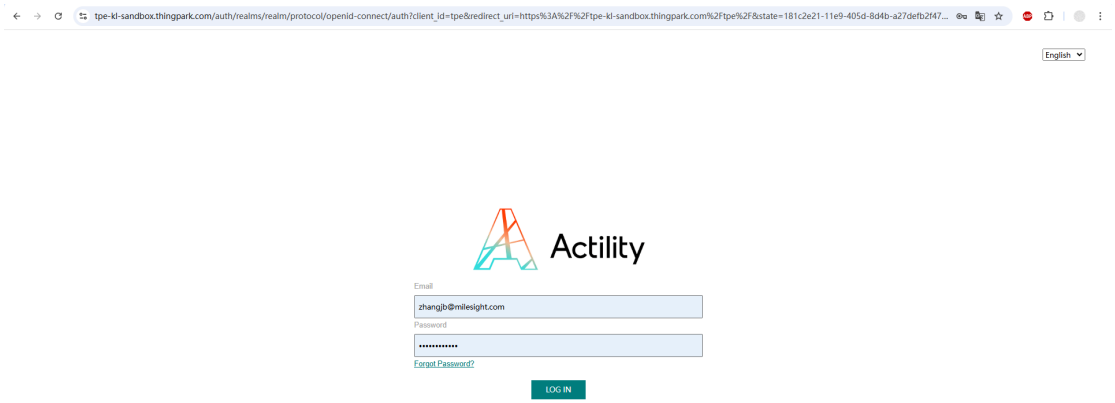

在 Server Address 栏填写我们刚才获取的 OCP 平台的 IP 地址，另外这里的 UUID 的值要复制出来，等会 OCP 平台添加网关的时候会用到。



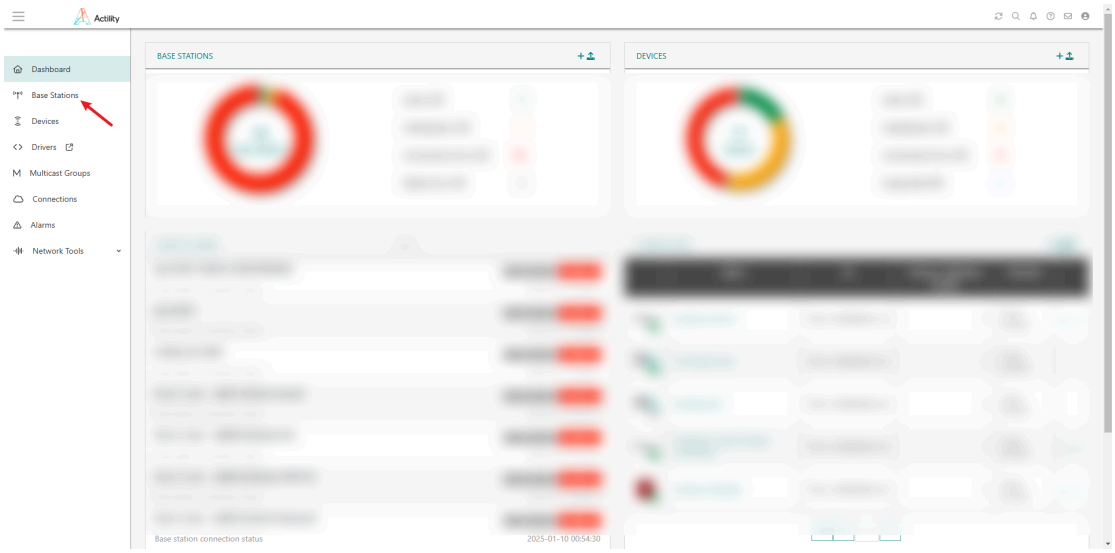

至此，网关的配置结束。

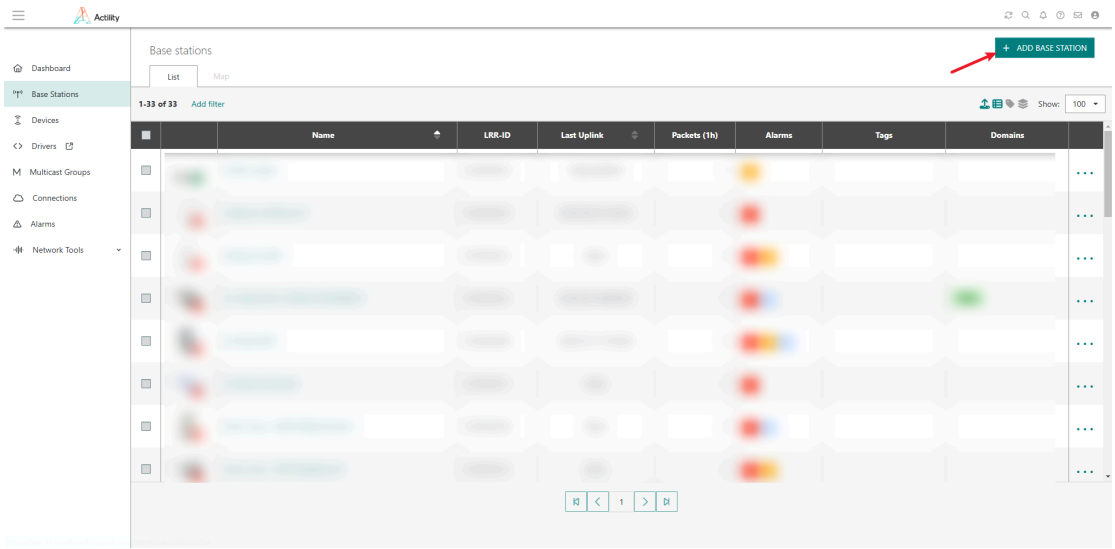
# 4. OCP 平台添加网关

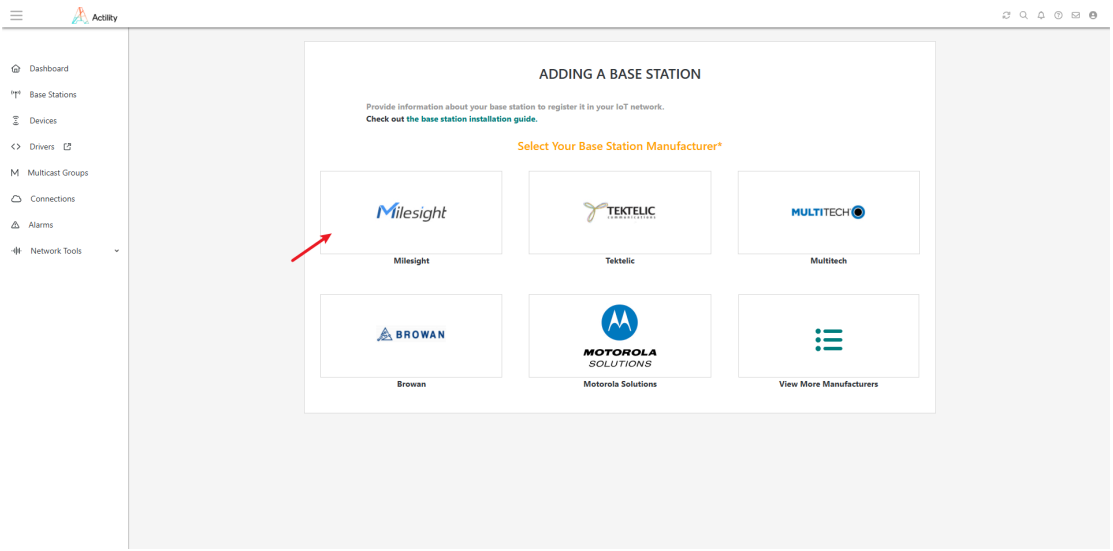
使用获取到的测试账号，登录：

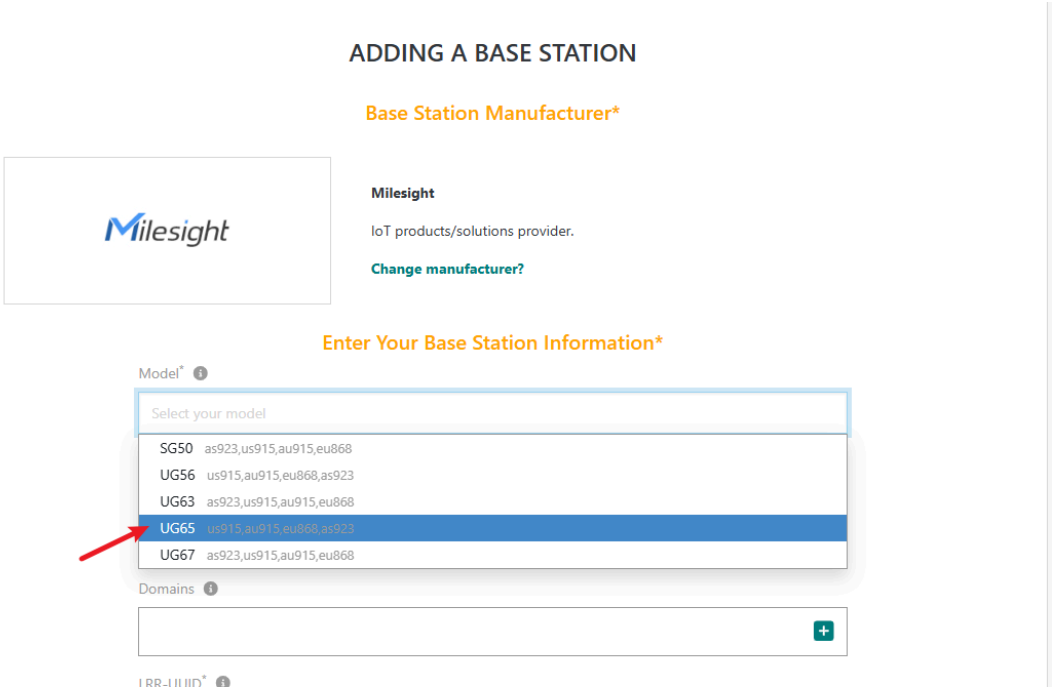

tpe-kl-sandbox.thingpark.com/auth/realms/realm/protocol/openid-connect/auth?client_id=tpe&redirect_uri=https%3A%2F%2Ftpe-kl-sandbox.thingpark.com%2Ftpe%2F&state=181c2e21-11e9-405d-8d4b-a27defb2f47...
English
Actility
Email
zhangjb@milesight.com
Password
Forgot Password?
LOG IN

然后如图进行操作即可：

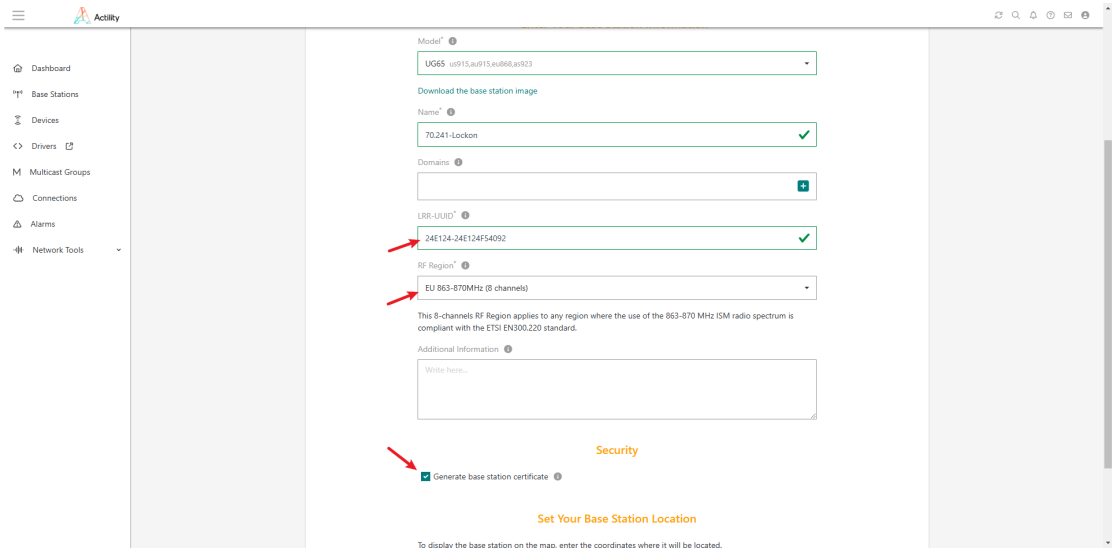

Actility
Dashboard
Base Stations
Devices
Drivers
Multicast Groups
Connections
Alarms
Network Tools
BASE STATIONS
DEVICES
Base station connection status
2025-01-10 00:54:30


Actility
Dashboard
Base Stations
Devices
Drivers
Multicast Groups
Connections
Alarms
Network Tools
Base stations
List
Map
ADD BASE STATION
1-33 of 33
Add filter
Show:
100
Name
LRR-ID
Last Uplink
Packets (1h)
Alarms
Tags
Domains

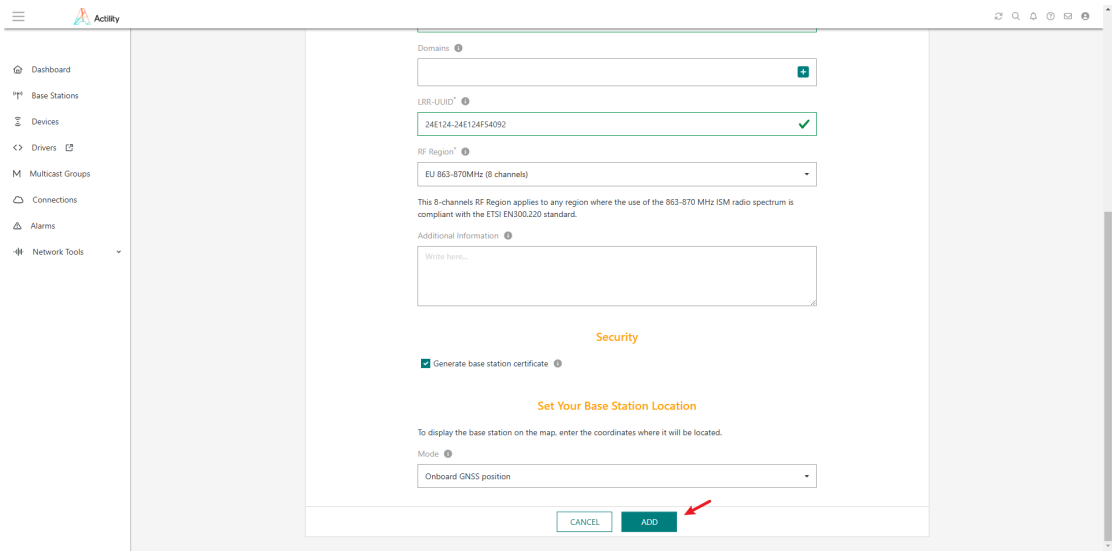


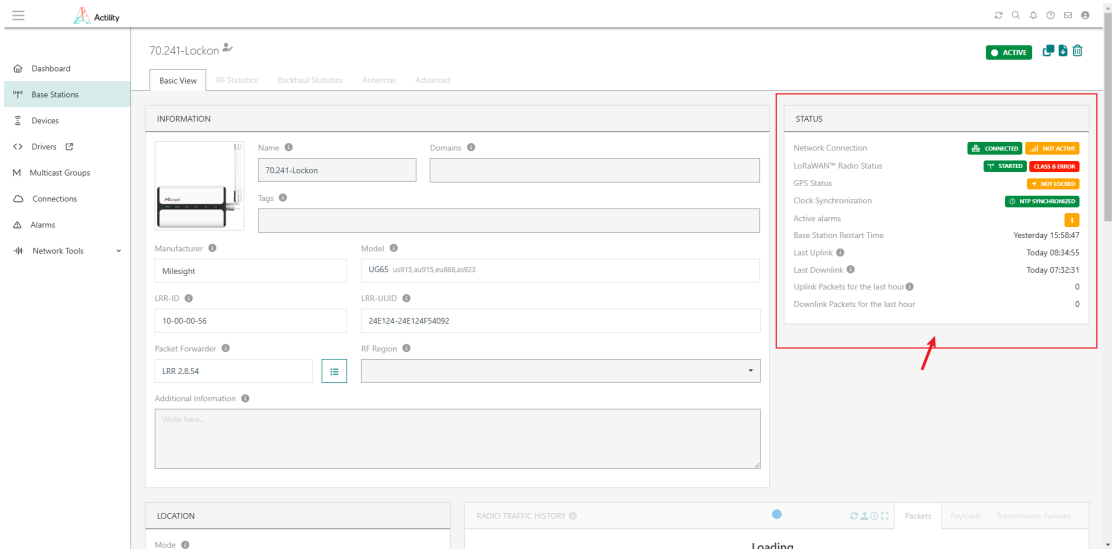

这里下拉选择我们网关的型号为 UG65。




这里的 LRR-UUID 就是我们 3.2 步骤获取到的值，由于网关的频段是 EU868 的，所以，这里的 RF Region 要下拉选择如图所示， Generate base station certificate 一定要保持默认状态，也就是勾选的状态。



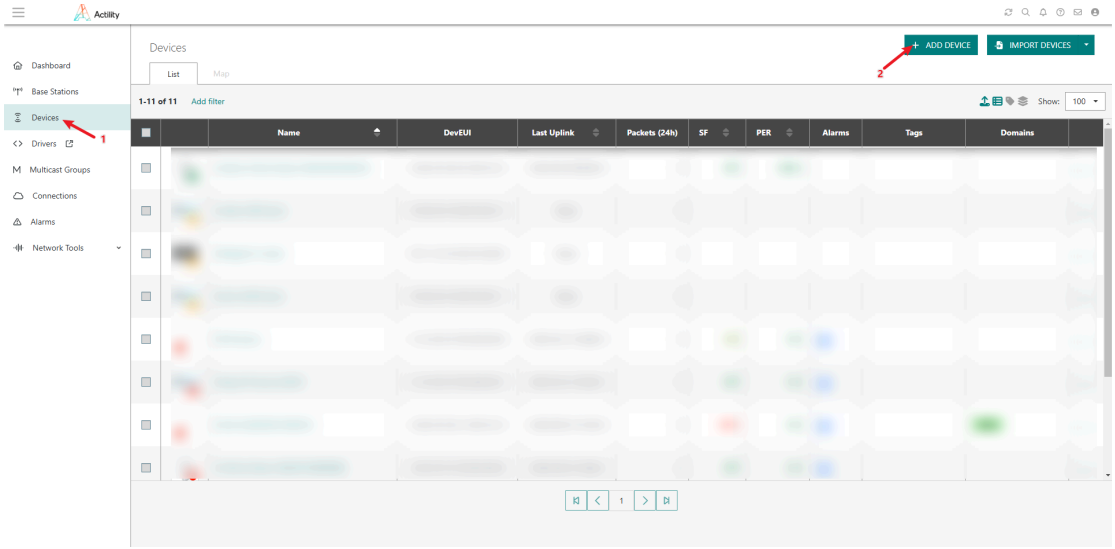

点击“ADD”按钮后，等待 3-5 分钟即可，下面就是添加完毕后网关上线的样子：

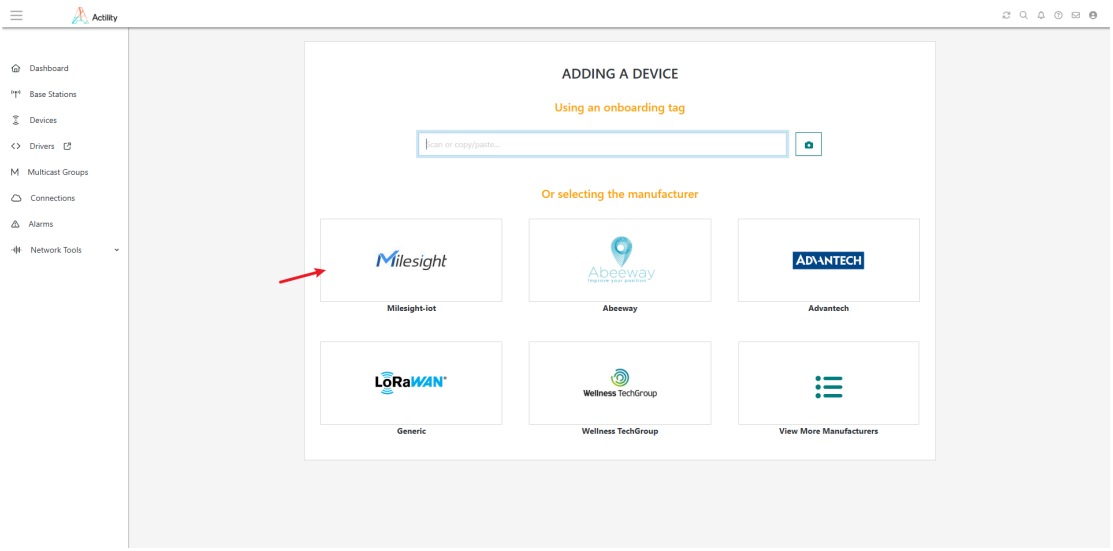


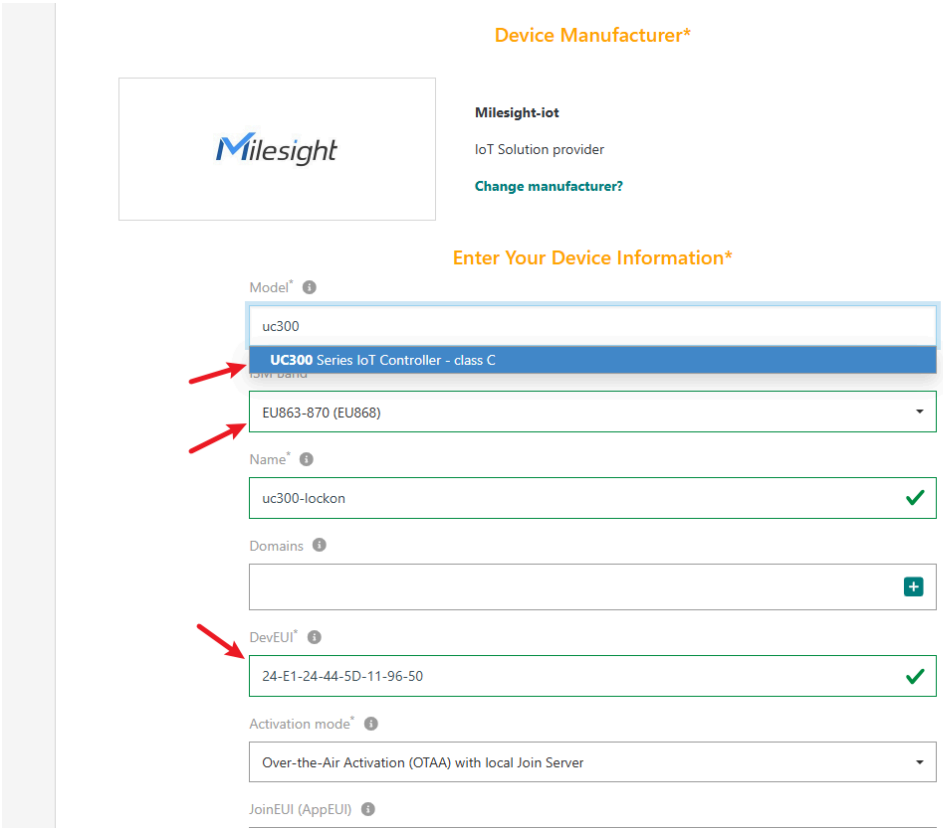

我们可以看到，“STATUS”显示了网关的状态良好，并且右上角显示绿色的“ACTIVE”，至此，OCP 平台添加网关的过程完成。

# 5. OCP 平台添加设备

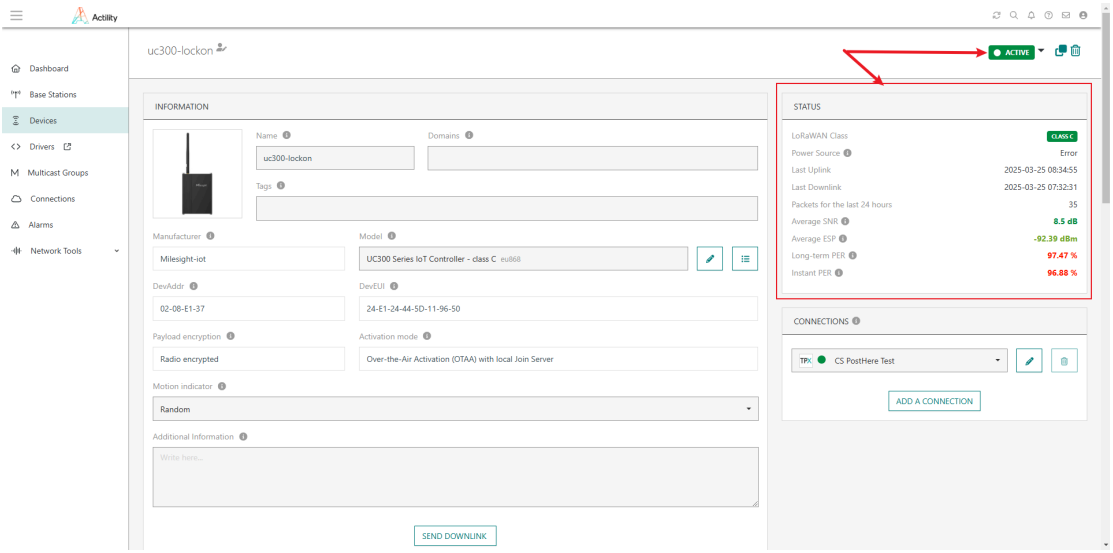
如图进行操作即可：






如图填写 UC300 的 LoRa 参数即可，添加完毕后，稍等 3-5 分钟，我们可以看到 UC300 设备显示已经上线，如图所示：




至此，OCP 平台添加设备的过程完成。

-END-