

# How to Integrate Milesight Gateways and Devices into the Actility OCP Platform



Version Change Log			
Version	Revision Date	Revision Details	Revised By
V1.0	20250325	Initial	Lockon

#### **Preface**

Actility's OCP (On-Premise Core Platform) is a localized deployment version of the ThingPark Enterprise (TPE) platform. It can be installed on local servers or virtual machines, as well as cloud platforms like AWS and Azure. TPE-OCP allows users to manage LoRaWAN networks, including device connections, gateway monitoring, and data routing. It supports high-availability cluster deployment and offers both online and offline installation modes to suit different IT environments.

This document provides a step-by-step guide on how to integrate the UG65 gateway with the Actility-OCP platform and add the UC300 device as an example.

# 1. Prerequisites

• Gateway Model: UG65 (Temporary Firmware v60.0.0.45-t4) or UG67

• Sensor Model: UC300

• Frequency Band Used in this Demonstration: EU868

• Internet Access: Required for the gateway

#### 2. Obtain an OCP Platform Account

This demonstration utilizes Actility's public test environment: Actility-OCP Sandbox

Username: zhangjb@milesight.com

• Password: (Not displayed)

## 3. Configure the Gateway

#### 3.1. Obtain the Actility-OCP Platform IP Address

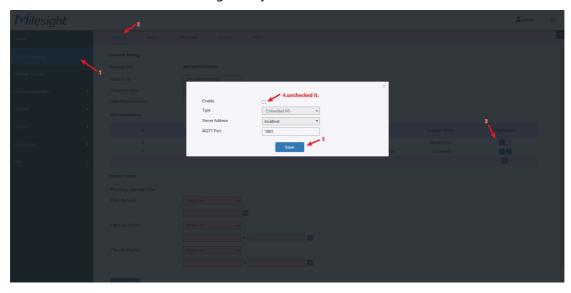
Use the built-in Windows ping tool to obtain the OCP platform's IP address.

```
| Microsoft Windows | 版本 10.0.22631.4169 | (c) Microsoft Corporation。保留所有权利。
| C:\Users\Lockon>ping tpe-kl-sandbox.thingpark.com | 正在 Ping tpe-kl-sandbox.thingpark.com | [37.59.142.145 的回复: 字节=32 时间=264ms TTL=45 | 来自 37.59.142.145 的回复: 字节=32 时间=263ms TTL=45 | 来自 37.59.142.145 的 Ping 统计信息: 数据句: 己发送 = 4,已接收 = 4,丢失 = 0(9% 丢失),往近行程的估计时间(以毫秒为单位): 最短 = 263ms,最长 = 264ms,平均 = 263ms | C:\Users\Lockon>
```

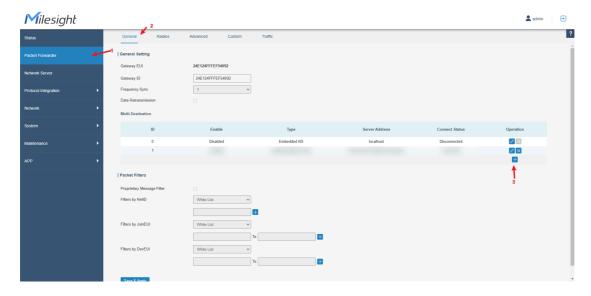
As shown in the example, the OCP platform IP is 37.59.142.145.

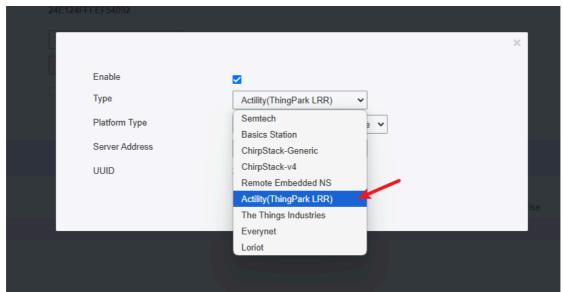
### 3.2. Configure Packet Forwarder Settings

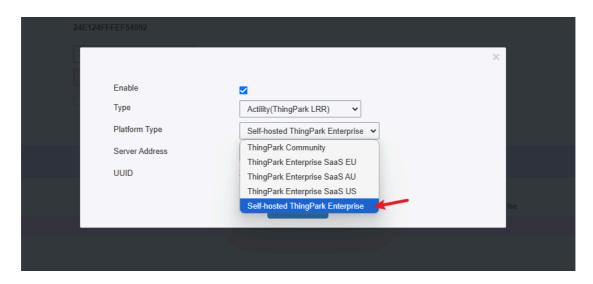
Disable the built-in NS on the gateway.

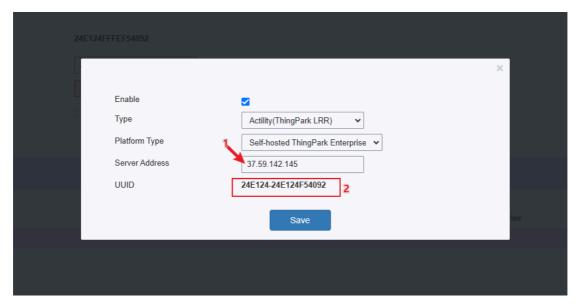


Set the following parameters:

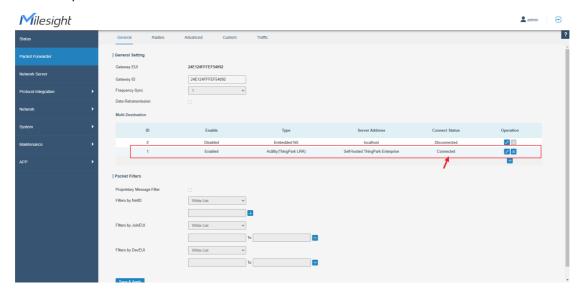








- Server Address: Enter the OCP platform's IP address obtained earlier.
- **UUID**: Copy this value, as it will be required when adding the gateway to the OCP platform.



This completes the gateway configuration.

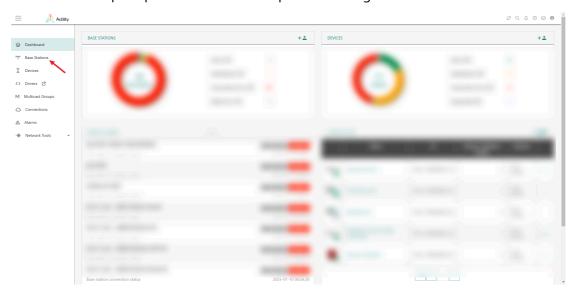
# 4. Add the Gateway to the OCP Platform

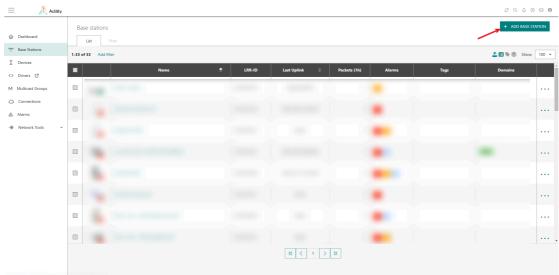
Log in to the OCP platform using the test account.

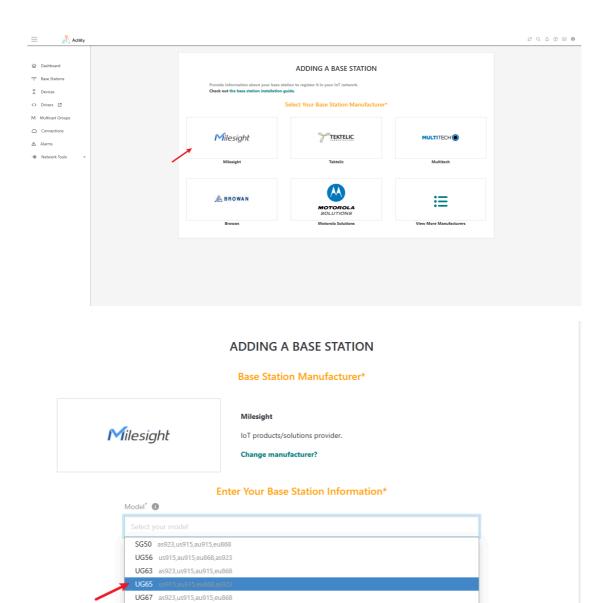




#### Follow the setup steps as shown in the provided images.

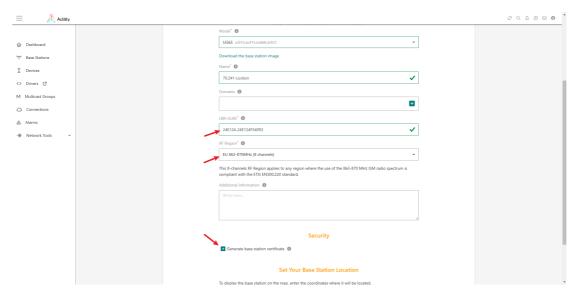




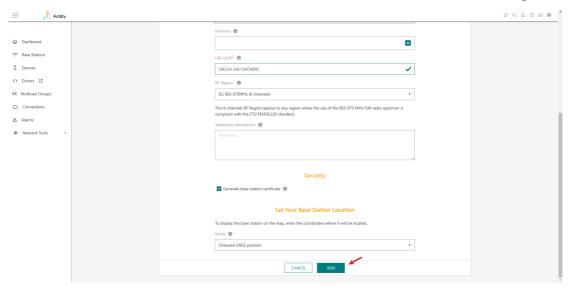


Select **UG65** as the gateway model.

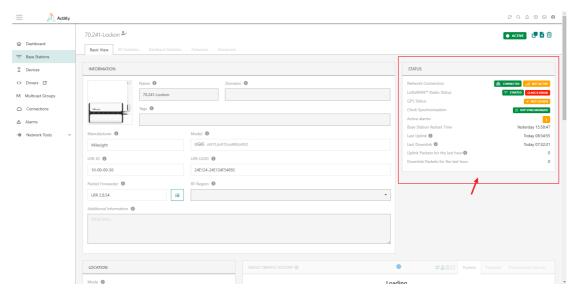
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- Enter the **LRR-UUID** obtained in step 3.2.
- Select the RF Region as **EU868**.
- Ensure "Generate base station certificate" remains checked (default setting).



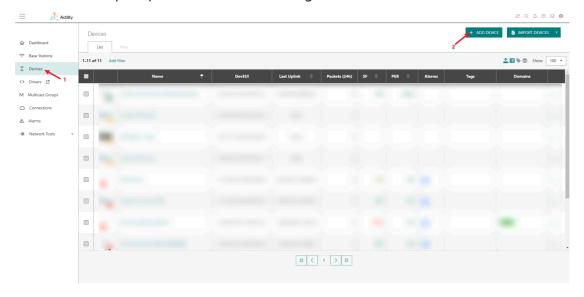
Click "ADD", then wait 3-5 minutes.

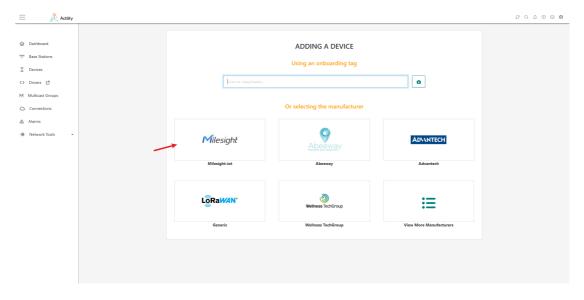


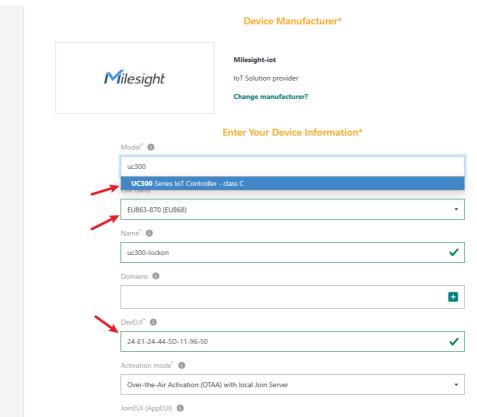
After successful addition, the gateway status will appear as "**ACTIVE**" in green, indicating a successful connection.

## 5. Add the Device to the OCP Platform

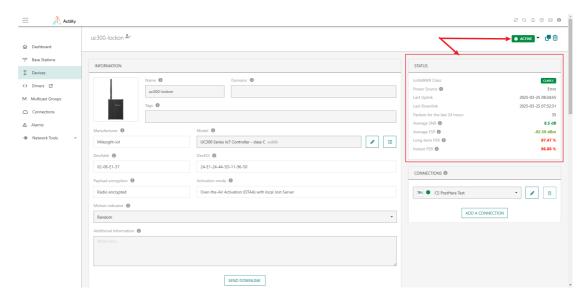
Follow the setup steps as shown in the images.







- Enter the UC300 LoRa parameters as required.
- Wait 3-5 minutes, and the UC300 device should appear online.



This completes the device integration process.

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