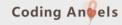




#### IoT Hands-on Introduction







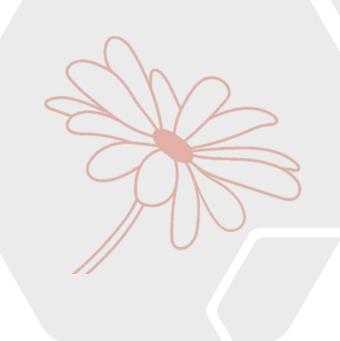
#### Agenda

Introduction to MXChip & Azure IoT Central

• Recent case: 春一枝冰櫃

MXChip & Azure IoT Central Demo

Hands-on End-to-end Flow





# Introduction to MXChip & Azure IoT Central





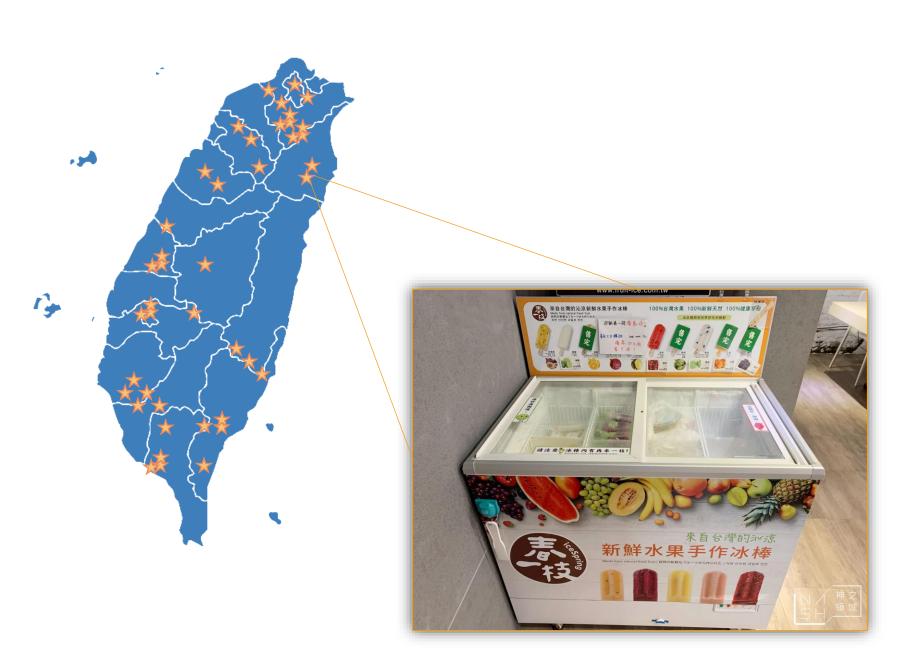
## Recent Case: 春一枝冰櫃







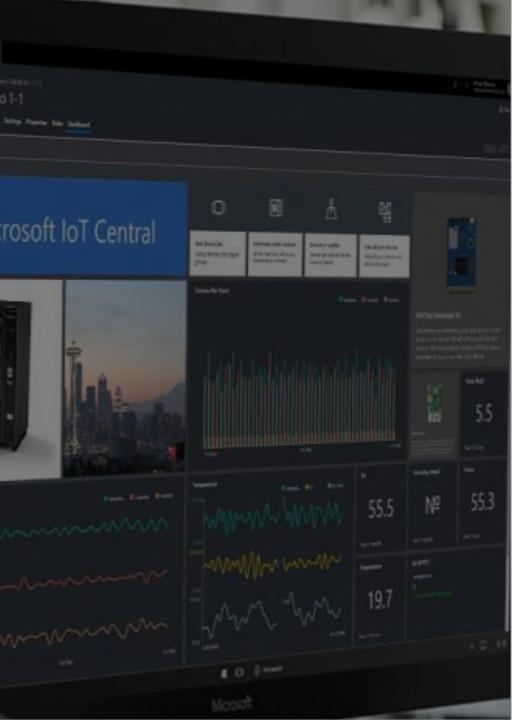






How long does enterprise companies often insist on building *IoT solutions* on average?

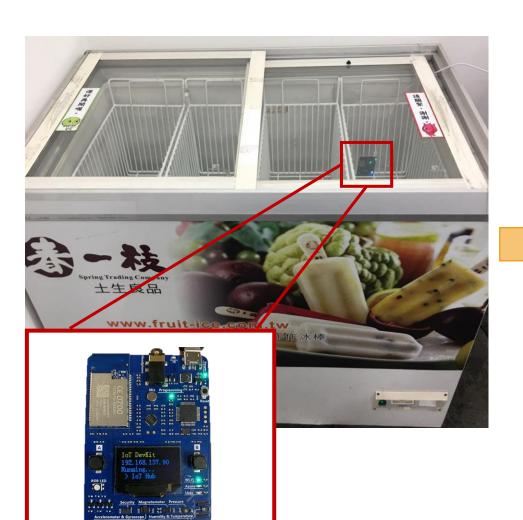
#### 9 months



#### **Azure IoT Central**

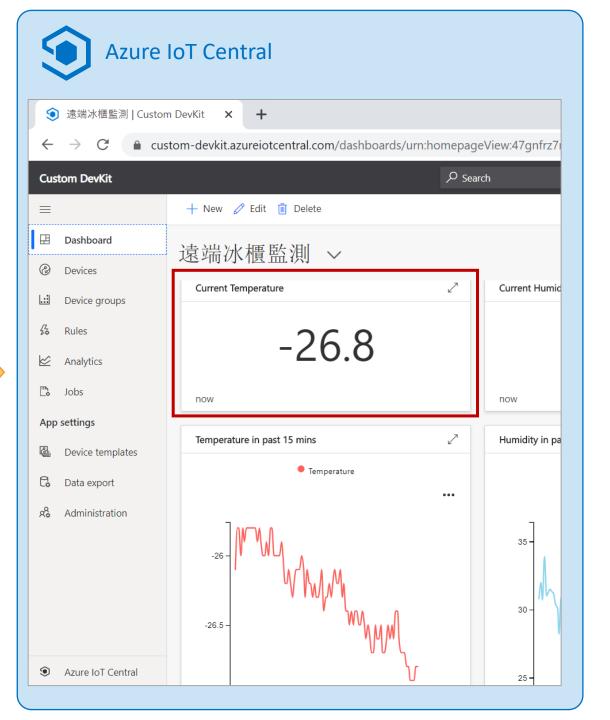
loT Central is an IoT application platform that reduces the burden and cost of developing, managing, and maintaining enterprise-grade IoT solutions.

#### Dashboard Remote Monitoring Solution Prototyping 28.6 51.6 1,004.89 Send telemetry data **Temperature** (c. | Humidity **Azure IoT Central** Wi-Fi Pressure **Custom Rules** For example: when the temperature is over -10 °C. If triggered Azure MXChip Email OR Alert users Azure functions Microsoft Flows Azure Logic Apps Your-app



Azure MXChip





## **MXChip & Azure IoT Central**

Demo





## Hands-on Scenario





#### Scenario: Mask Factory



#### 口罩打片機故障偵測

- 温度過高
- 輸送帶打片狀態

#### 口罩點焊機故障偵測

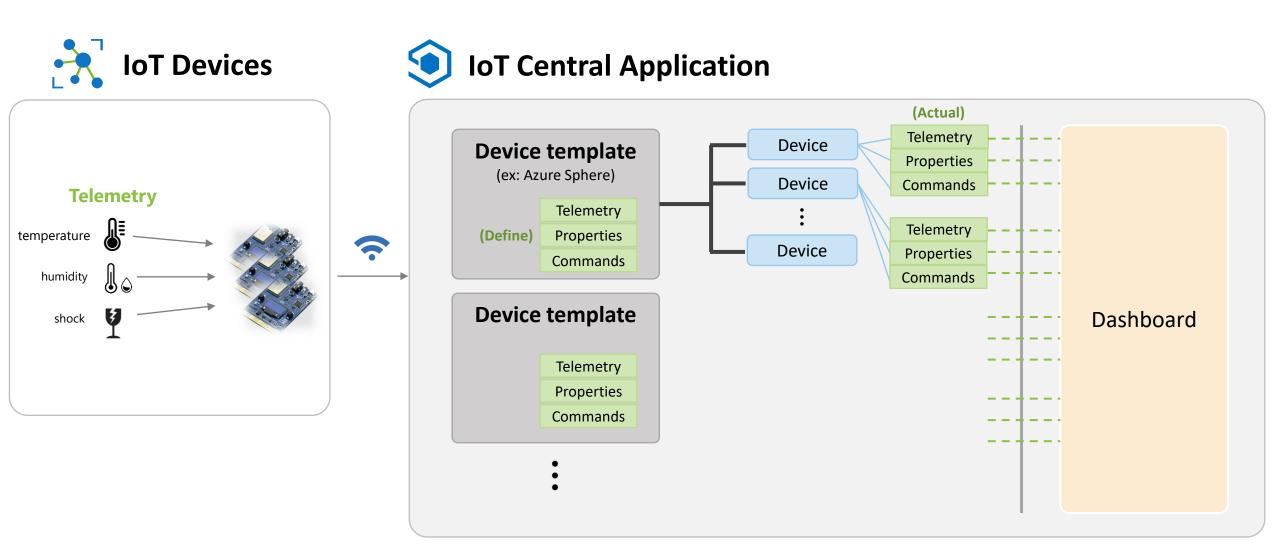
- 温度過高
- 氣源壓力不夠



## Hands-on End-to-end Flow



#### Hands-on End-to-end Flow



#### End-to-end Flow (Mask Factory)

1

Build IoT Central Application (IoT Central 應用程式)



Create **Device Template** (裝置範本)

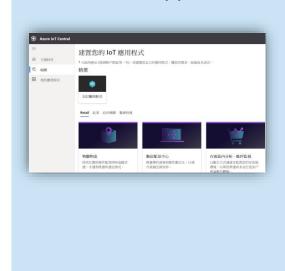


Add Simulated **Device** (虛擬裝置)



Add Custom **Dashboard** (客製化儀表板)

**IoT Central Application** 



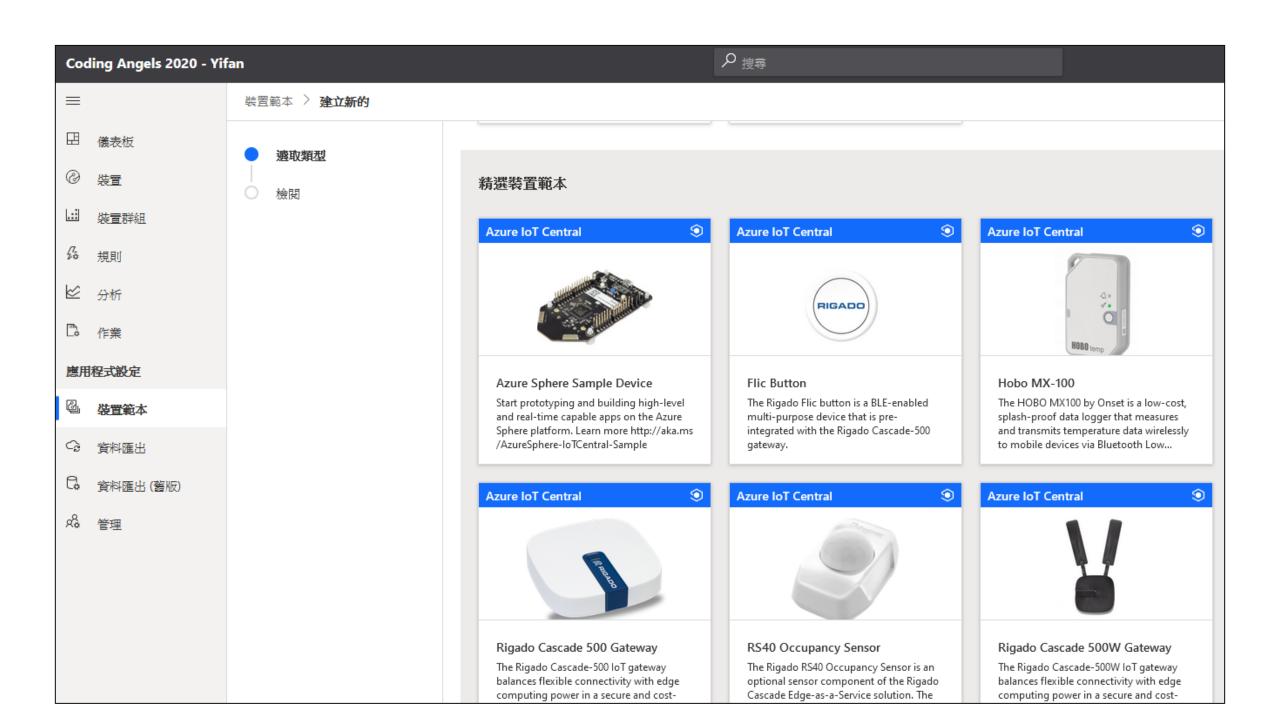
**Azure Sphere Template** 

Azure MXChip Template

azure-sphere-simu-001 (監控口罩打片機)

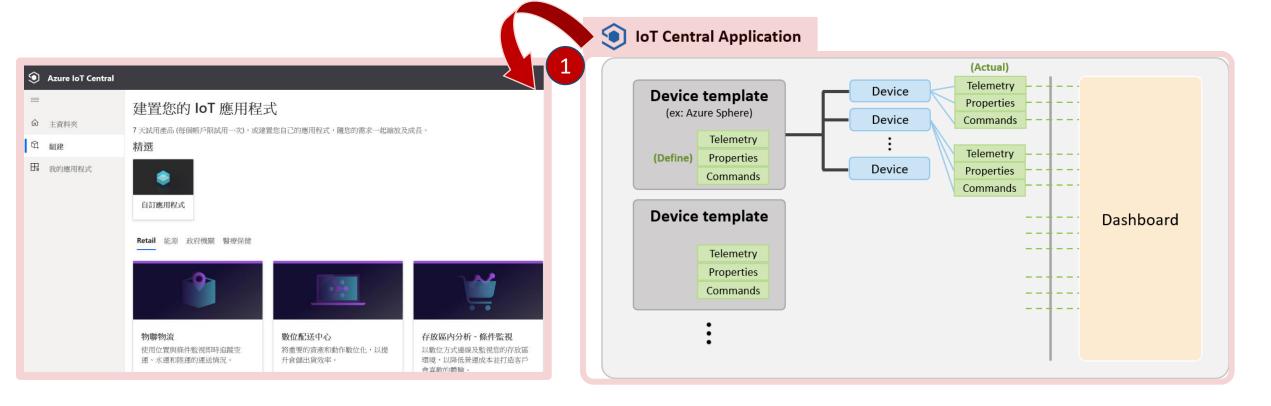
azure-mxhip-simu-001 (監控口罩點焊機) Mask Factory Dashboard





#### End-to-end Flow (1)





#### End-to-end Flow (2)



Build IoT Central Application (IoT Central 應用程式)



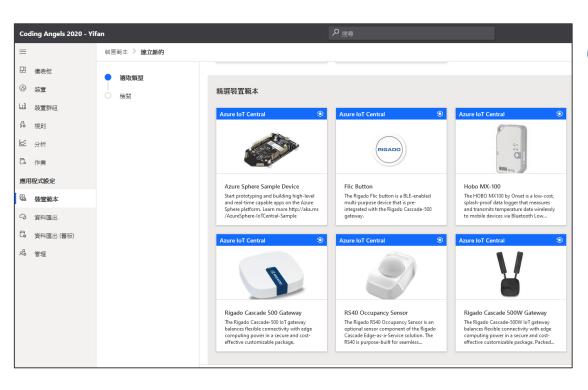
(裝置範本)

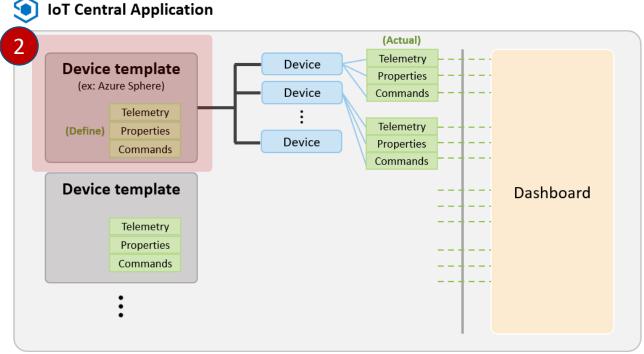
ite

Add Simulated Device (虛擬裝置)



Custom Dashboard (客製化儀表板)





#### End-to-end Flow (3)

1

Build IoT Central Application (IoT Central 應用程式)



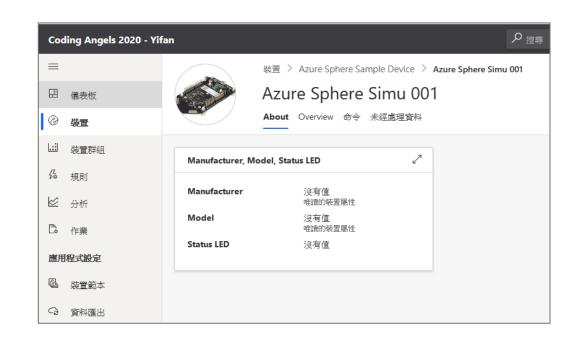
Create Device Template (裝置範本)

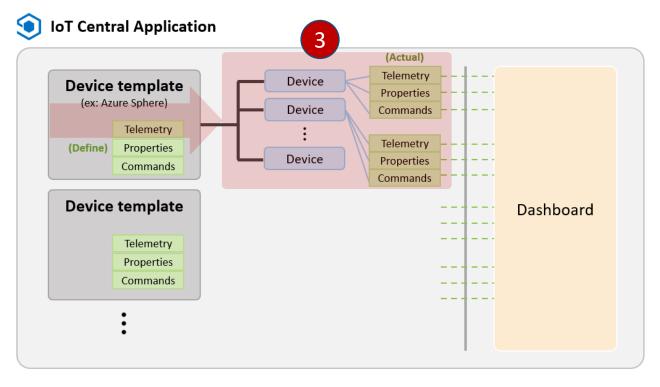


Add Simulated Device (虛擬裝置)



Custom Dashboard (客製化儀表板)





#### End-to-end Flow (4)

1

Build IoT Central Application (IoT Central 應用程式)



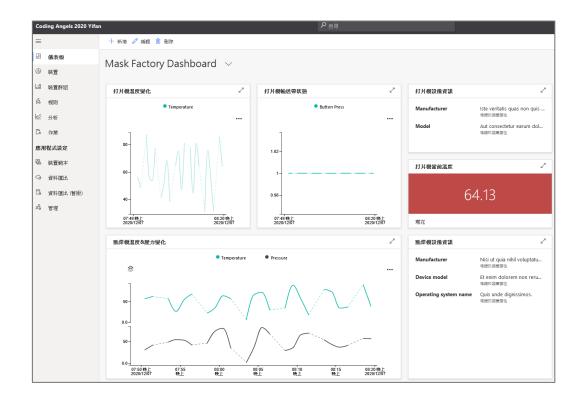
Create Device Template (裝置範本)

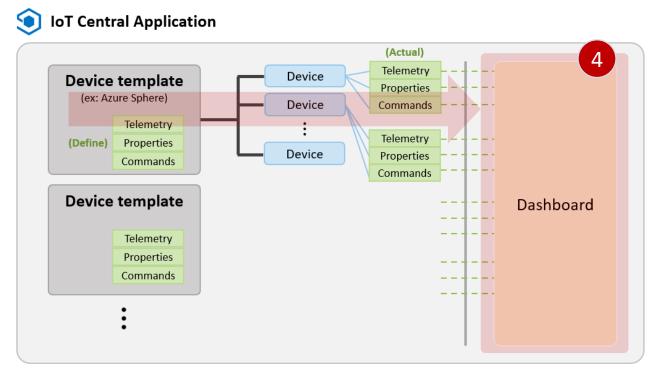


Add Simulated Device (虛擬裝置)

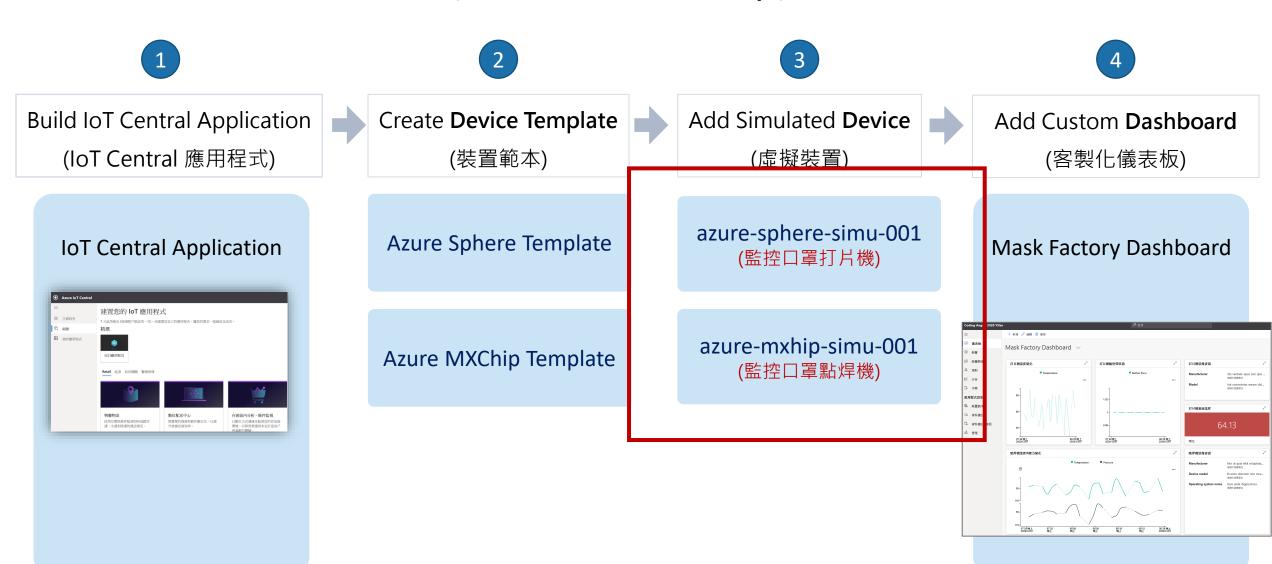


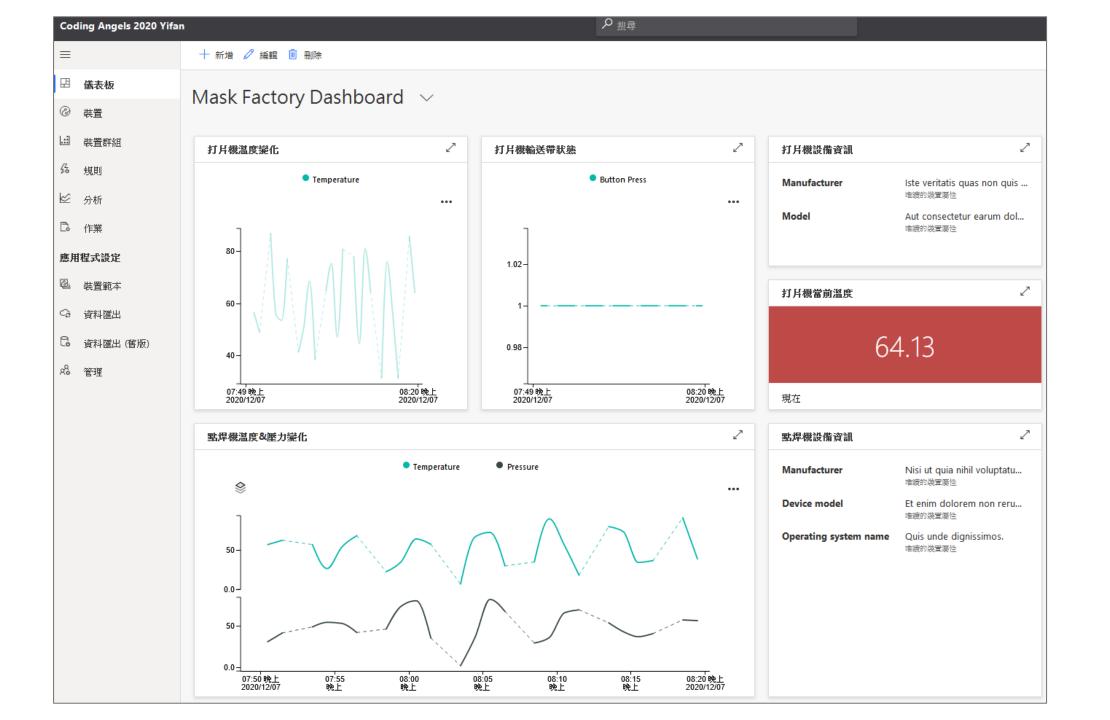
Custom Dashboard (客製化儀表板)





#### End-to-end Flow (Mask Factory)







- Real Case Demo -

### Mask Factory

https://aka.ms/coding.angels.2020

