Advantech AE Technical Share Document

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Category	■FAQ □SOP	Related OS	N/A
Abstract	How to set up EdgeLink devices with WISE-PaaS		
Keyword	WISE-PaaS, Cloud, Upload, Broker, Resuming Broken Transfer		
Related Product	ADAM-3600, ECU-1152, ECU-1251, ECU-1051		

■ **Problem Description:**

This document explains how to set up EdgeLink to connect with WISE-PaaS through MQTT protocol. After users configure WISE-PaaS Project/SCADA and EdgeLink project for ADAM-3600, the data of the field device can be connected to the WISE-PaaS by ADAM-3600.

■ **Answer:**

This document shows how to setup WISE-PaaS for Cloud and EdgeLink project for iRTU devices.

If a user wants to know how to implement Resuming Broken Transfer, please refer to the FAQ document according to the following link.

FAQ: How to setup iRTU devices for resume broken transfer for cloud services
http://forum.adamcommunity.com/viewthread.php?tid=96547&extra=page%3D1

WISE-PaaS Broker Setup

1. Contact with WISE-PaaS contact window to apply for account and password. Log in to the homepage of WISE-PaaS. https://portal-technical.wise-paas.com/index.html

2. Go to management protal page.
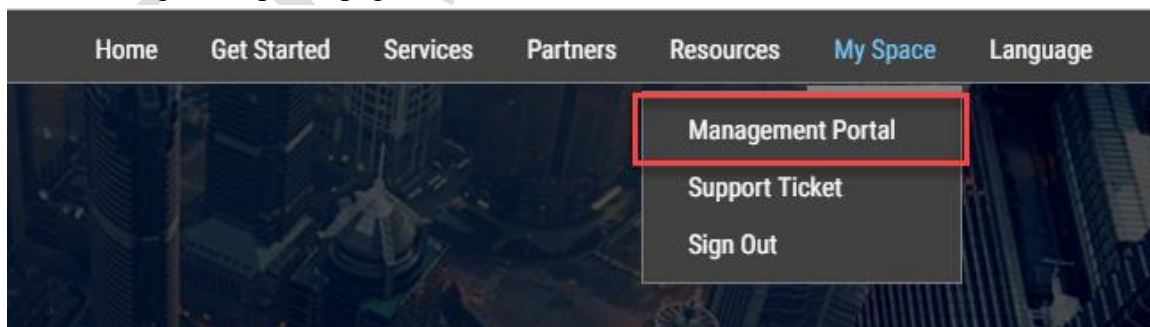
3. Click on "protal-scada" and open the website according to the following figure. The URIs direct to the same protal scada page.

4. In Device Management, create New Project on the top right.

5. Create New Scada. Copy the Scada Id.

6. iRTU devices have implemented "Plug&Play" function, there is no need to add any device. Once the device is online, the SCADA would create a new device. Users could click the
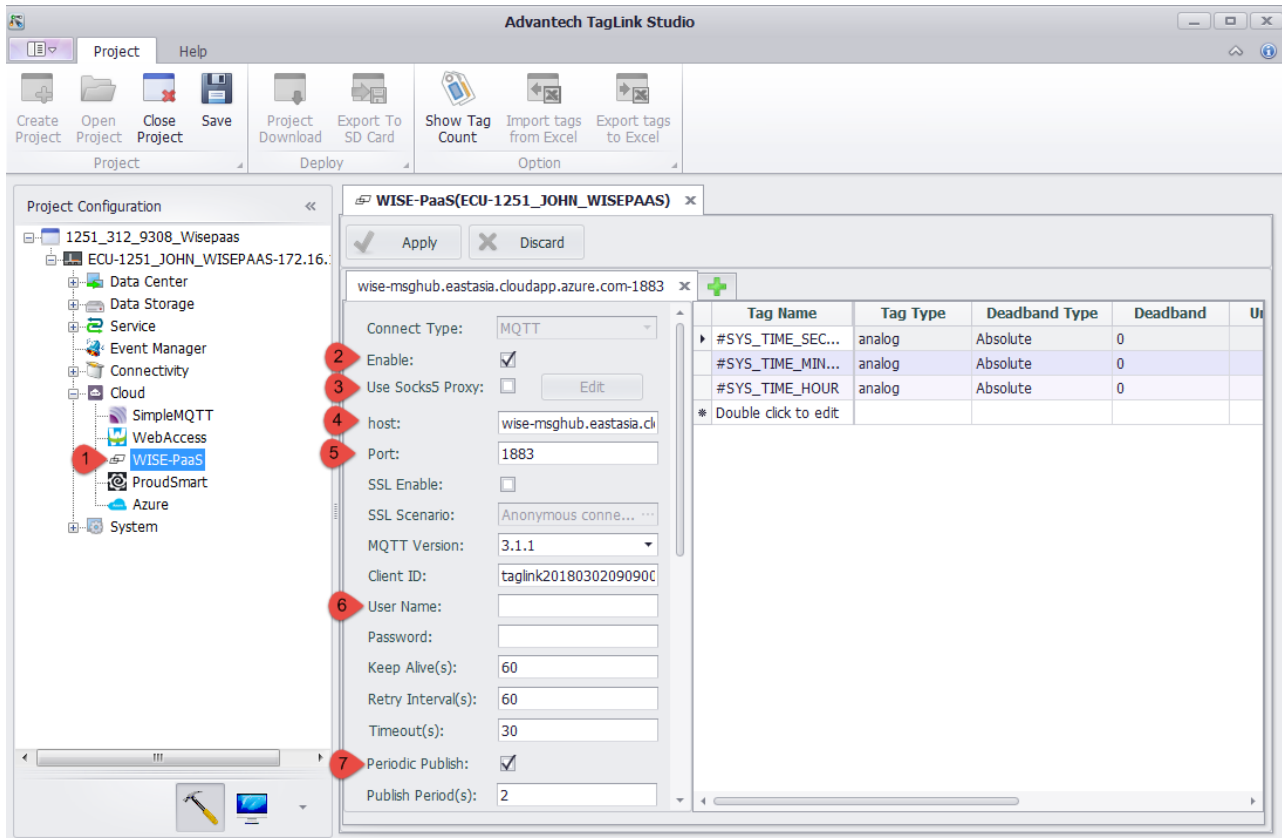
SCADA name to monitor devices.

7. Keep the information after a SCADA is created, or click on "detail" for further tracking.
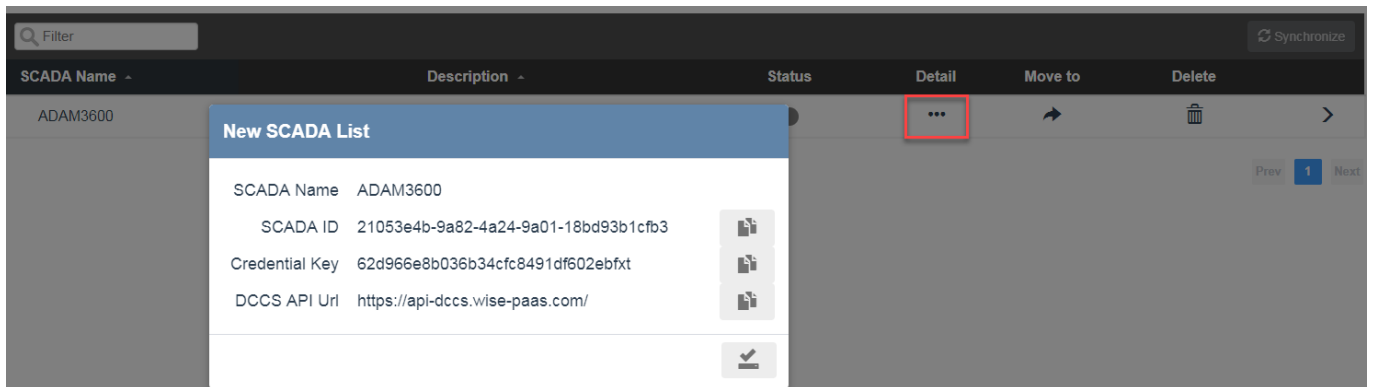
iRTU Devices TagLink Project Setup

8. Set up TagLink project for iRTU devices.

8.1 Choose "WISE-PaaS" in the categories of Cloud service.

8.2 In EdgeLink Cloud setting, enable WISE-PaaS Cloud.

8.3 Leave it disabled as default if you don't use SOCKS5 proxy server. If user wants to enable it, click the Enable selection box and click the "Edit" button to set the SOCKS server information in the pop-up box, including the server IP address, port number, user name and password information.

8.4 Set the *"external host"* from WISE-PaaS according to the credential key of the SCADA.
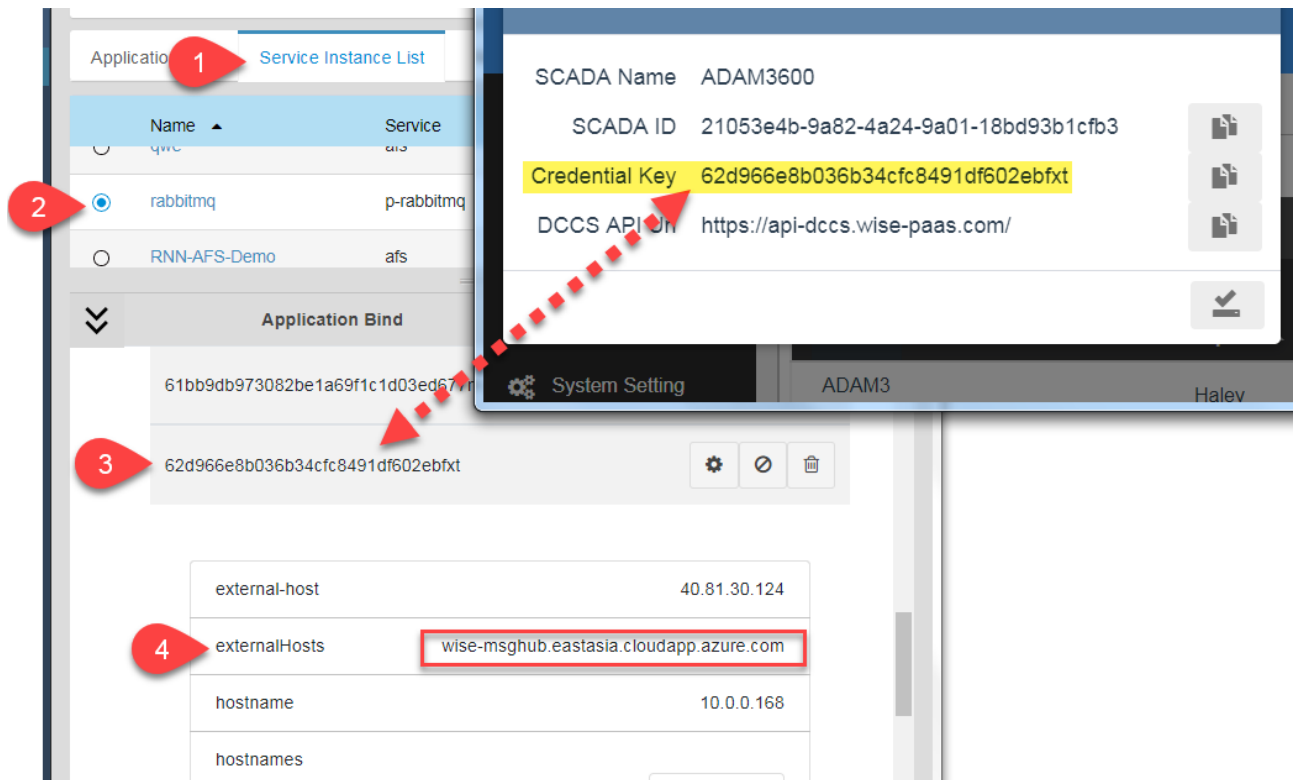
8.5 Set the port number according to the protocol used. In this demo, *"Port"* is set as 1883 .
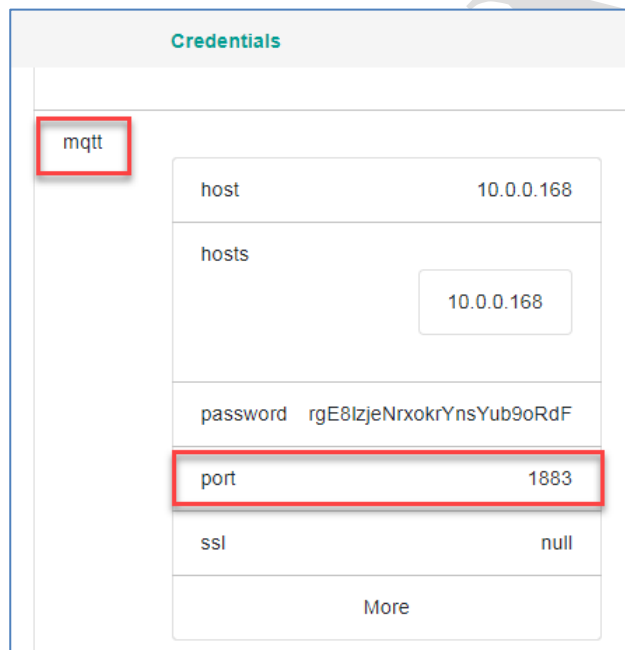
8.6 No need to fill in "*Username*" and "*Password*".

8.7 Enable "*Periodic Publish*" to upload the tag's information regularly. Set up *"Publish Period"* as 2 seconds.

8.8 *"Diff Publish"* is another option of uploading conditions. The client can choose to upload information when the tag changes. It checks the Tag status (value, communication quality, and timestamp) every Detection Cycle. Two uploading conditions can be selected at the same time.

8.9 Chose higher *"data worker"* version for data resume.

8.10 *"DCCS API Url"* is filled according to the SCADA setting

8.11*"Credential key"* is filled according to the SCADA setting.

8.12*"SCADA ID"* is filled according to the SCADA setting.

8.13 *"Device ID"*: Use specific ID for recognizing in WISE-PaaS. User needs to be unique Device ID under the same SCADA.

8.14*"Timestamp"*: Choose the published message contains timestamp with UTC or local time.

8.15 Click **Apply** for saving the setting.