

Advantech SE Technical Share Document

Date	2020/6/15					
Category	□ FAQ ■ SOP	Related Produ	ict WISE-4471/E	WISE-4471/EnSaas 4.0/DataHub		
	□ Driver Tech Note					
Abstract	How to upload WISE-4471 data to DataHub of EnSaas 4.0					
Keyword	WISE-4471/EnSaas 4.0/DataHub					
Related OS	Windows Server 2012 / 2016, Win10					
Revision History						
Date	Version	Author	Reviewer	Description		
2020/6/15	V1.0	Simon.Chiu	Nick.Liu	EnSaas4.0/WISE-4471 FW		
	V1.0			A1.01B08/DataHub 2.0.0		

■ Problem Description & Architecture:

How to create device and upload data from WISE-4471 to DataHub of EnSaas 4.0



■ Brief Solution - Step by Step:

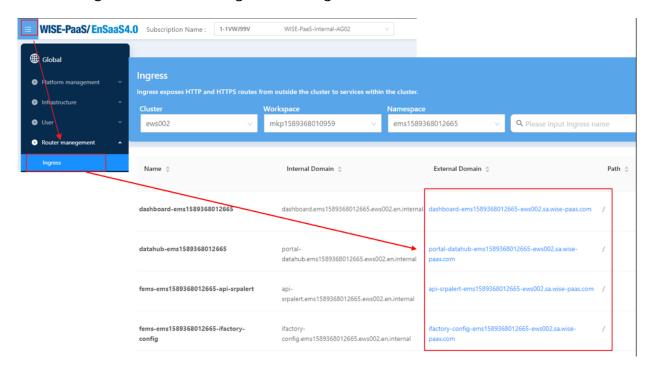
1. Please log in into EnSaas 4.0 management portal.



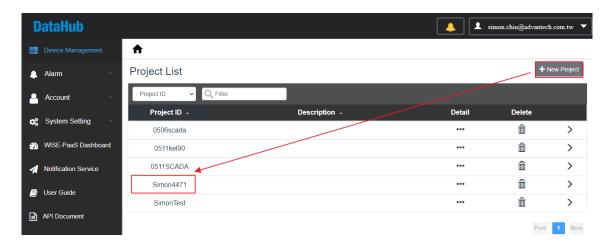
Page 1



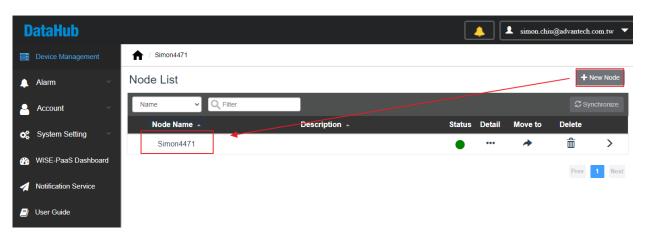
2. Please go to Router Management→Ingress→Link of DataHub



3. Please create project node of DataHub

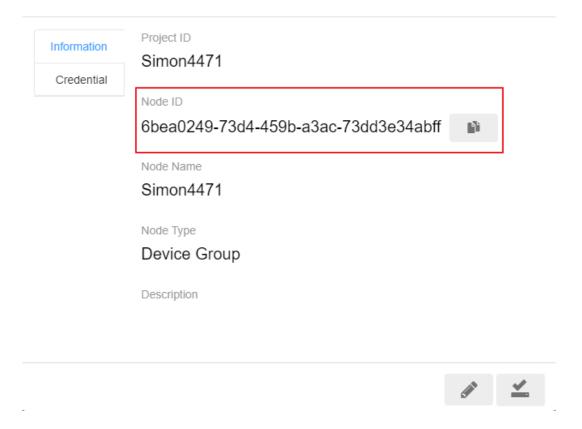


4. Please create SCADA node of DataHub

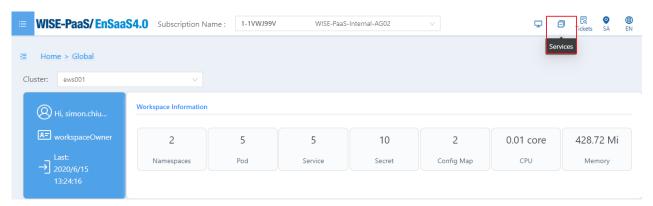




5. Please copy Node ID to notepad, it will be used later on.



6. Please go back to EnSaas Management Portal and click service as picture shown



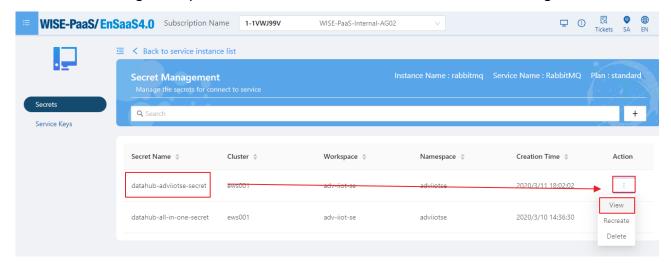
7. Be aware of your space and find Rabbitmq and click Action and Secret Management in the right hand side.





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8. In secrte management please find DataHub and click Action and View in the right hand side.



9. Copy external hosts link to the same notepad

10. Copy port under coap to the same notepad

View

```
Credentials Parameters

}

* "coap" : {
    "host" : "rabbitmq-001.sa.wise-paas.com"

* "hosts" : [
    0 : "rabbitmq-001.sa.wise-paas.com"

]
    "password" : "hNSMgQr2E6XZ5esZjtz0Zr9iS"

    "port" : 5683

    "ssl" : false
    "uri" :
    "coap://rabbitmq-001-pub.sa.wise-paas.com/ps/0099a81e-6291-11ea-b1de-
```



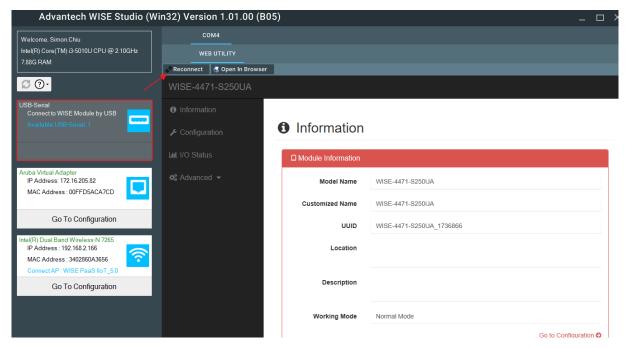
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11. Copy uri of coap to the same notepad as picture shown below. It should be /ps/....



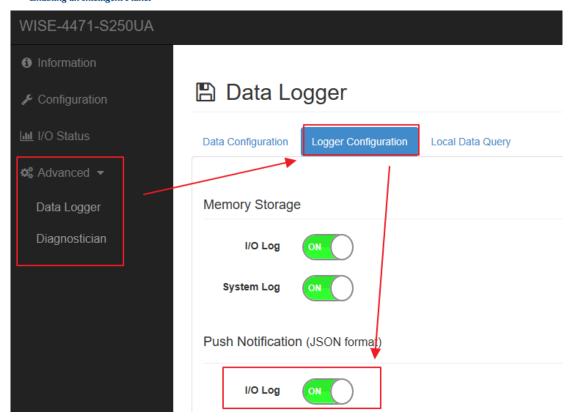
12. Please connect WISE-4471 via USB cable and computer. Then turn on WISE-Studio and choose connect by USB→Click connect
Link of WISE-STUDIO:

https://support.advantech.com/support/DownloadSRDetail New.aspx?SR ID=1-1MJSJKX&Doc Source=D ownload



13. Please use WISE-STUDIO and go to Advanced → Data Logger → Logger configuration → Push Notification(JSON Format) → I/O Log turn on(necessary)





14. Please go to configuration → Cloud



15. Please choose service as WISE-PaaS 2.0





16. In the bottom of the page, there are several parameters which need to be typed. Please use the notepad which contains these parameters then copy them one by one. After that please click "submit" and reboot WISE-4471.

IP/Domain Name=Link of External Hosts

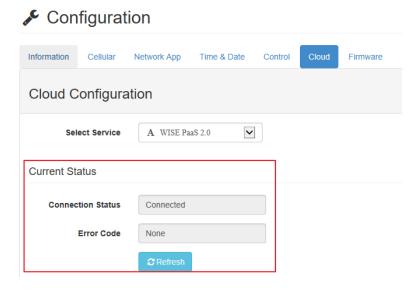
Port of Coap should be 5683



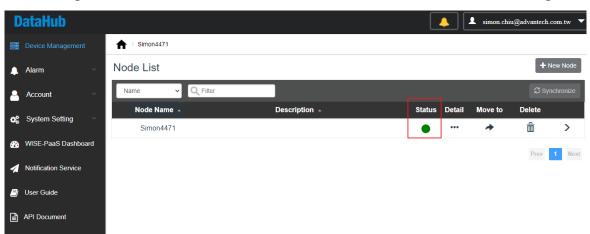
WISE-PaaS Setting



17. After reboot please go back to the same page and check status of connection between WISE-4471 and WISE-PaaS/DataHub. It should be "connected", click "refresh" if it is not.

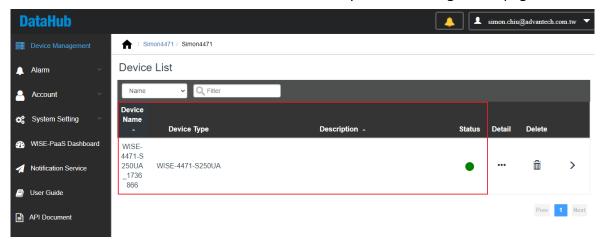


18. Please go back to SCADA node of DataHub and check if status of SCADA node is green.

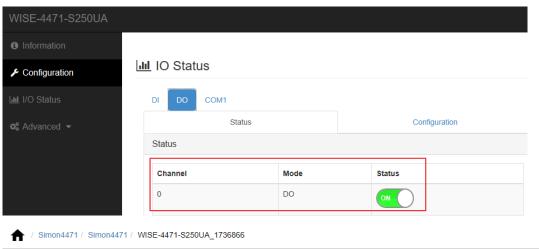




19. Device of WISE-4471 is also created automatically when entering device page



20. Tag value can be checked through WISE-STUDIO and WISE-PaaS/DataHub



Tag List

Name v Q Filter			
Tag Name ▲	Tag Type -	Description -	Value
W4471_736866-DI0	Discrete		0
W4471_736866-DI1	Discrete		0
W4471_736866-DI2	Discrete		0
W4471_736866-DI3	Discrete		0
W4471_736866-DI4	Discrete		0
W4471_736866-DI5	Discrete		0
W4471_736866-DO0	Discrete		1
W4471_736866-DO1	Discrete		0

- Pin Definition (in case of serial connection):
- Reference: