

IoT.Sense | Advantech | V1.0.0

# Course Outline

## 01 EnSaaS 4.0 Portals

- User Center
- Management Portal
- Service Portal
- Billing Portal

## 02 Role of WISE-PaaS

- Organization
- Role permissions

## 03 Subscription Process

- Subscription process
- Subscription notices

# Course Outline

**01**

## EnSaaS 4.0 Portals

- User Center
- Management Portal
- Service Portal
- Billing Portal

**02**

## Role of WISE-PaaS

- Organization
- Role permissions

**03**

## Subscription Process

- Subscription process
- Subscription notices

# WISE-PaaS EnSaaS 4.0 Architecture

Domain  
I.App

Energy &  
Environment

Machine  
to Intelligence

iFactory/  
Industry 4.0

Smart City

iHealthcare

iRetail

iLogistics

EnSaaS Listing Service

End to End Security: SSL/TLS

## WISE-PaaS/ EnSaaS4.0

### Microservices Framework

- Configuration
- Discovery
- Routing
- Load Balancing
- Monitoring
- Resiliency
- Authentication and Authorization
- Message encryption and key management

### Visualization Services

#### WISE-PaaS/Dashboard WISE-PaaS/SaaS Composer

- Multiple Data Sources
- 2D & 3D Rendering

### Asset Performance Management (APM)

#### WISE-PaaS/InsightAPM

- Asset Models
- Asset Evaluation
- Workflow Integration
- Alarm/Trigger
- OTA
- Auth. Mgmt.

### AI Framework Service (AIFS)

#### WISE-PaaS/AIFS

- Code IDE
- Hyper Parameter
- Feature Extraction
- Data Pre-Processing
- Model Management
- Inference Engine Deploy
- Compute Resource Mgmt.

### Commercial Services

- Subscription & License
- Single Sign-On
- Consumption Mgmt.
- Metering & Billing

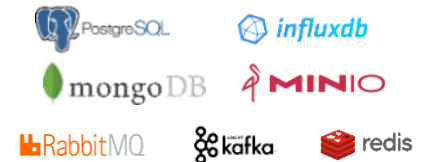
### Monitoring Services

- Health Check
- Log & Metrics
- Alarm & Notification

### Operation Services

- Auto Scaling
- Private Domain
- Code Pipeline

### DB Storage & IoT Hub Services



### Edge Intelligence Services

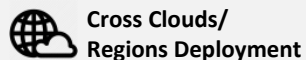
WebAccess/SCADA

WISE-EdgeLink

WISE-DeviceOn

WISE-PaaS/VideoService

WISE-PaaS/LwM2M



Cross Clouds/  
Regions Deployment



Micro Services  
Management



High  
Availability



Elastic Scaling



Multi-Tenancy



Resource  
Management



DevSecOps

Industrial App  
&  
Data Platform

IaaS  
Management



kubernetes



Azure AKS

Amazon EKS

Alibaba ACK

EnSaaS Kubernetes Engine

Public Clouds:



Alibaba Cloud

...

Private Clouds:

WISE-STACK

openstack.

vmware

ADVANTECH

# Login to EnSaaS 4.0 User Center

Login URL: <https://portal-sso-ensaas.sa.wise-paas.com>

**WISE-PaaS/EnSaaS4.0** User Center

SA EN



**WISE-PaaS/EnSaaS4.0**

Sign in to Developer Network

[Forgot password](#)

[Sign in](#)


[Didn't receive the registration Email?](#)






Or sign in with [MyAdvantech](#)


© 1983-2020 Advantech Co., Ltd. 4.0.18

Note: “sa” is for South Asia data center

# User Center

 WISE-PaaS/EnSaaS4.0 User Center

  
tony.fu

Subscription

Users

Clients ▾

Profile

Roles Introduction

## Subscription Management


Subscription management, information viewing

All Enterprises ▾

Name

Company

ID

 Please enter subscription name

Name ▴ ▾	Company ▴ ▾	Enterprise ▴ ▾	Available Credit ▴ ▾	Member Type ▴ ▾	Accounts ▴ ▾	Hosting State
> 1-██████	██████████	██████████	Unlimited	Regular	<a href="#">2</a>	<div>Hosting</div>

<

1

>

6 / page ▾

# User Center

Datacenter South Asia

The screenshot shows the WISE-PaaS/EnSaaS4.0 User Center interface. The top navigation bar includes a menu icon, the title "WISE-PaaS/EnSaaS4.0 User Center", and links for "DOC", "Console", "SA", "EN", and a user profile icon. A red arrow points to the "SA" link, labeled "Datacenter South Asia". A hand icon points to the "Catalog Portal" link, with a text box saying "Click to Catalog Portal". A list of links is shown: "User Manual", "API Document", "Management Portal", "Service Portal", "Billing Portal", "Ticket Portal", "English(US)", "简体中文", "繁體中文", and "Log Out". The main content area displays a "Catalog Portal" with a search bar and a grid of product cards. The first card is "IoTSuite" with a "New" tag and a "Get Free Trial Now" button. Other cards include "AIFS 3.0", "AndroidDM 0.1.0", "APM.CNC 2.4.0", "APM.M2I 1.2.0", "Application Framework S...", "Dashboard 2.0.7", "DataAdapter 1.0.1", "DataHub 2.0.6", "DeviceOn 1.1.74", "EHS 1.2.1", and "EnSaaS K8s Service 4.0.10".

Click to Catalog Portal

User Manual  
API Document

Management Portal  
Service Portal  
Billing Portal  
Ticket Portal

English(US)  
简体中文  
繁體中文

Log Out

IoTSuite  
One-stop industrial IoT development kit and cloud-native application and data platform.  
Get Free Trial Now

IoTSuite  
AIFS  
AndroidDM  
APM.CNC  
APM.M2I  
Application Framework S...


Dashboard  
DataAdapter  
DataHub  
DeviceOn  
EHS  
EnSaaS K8s Service


<https://portal-catalog-ensaas.sa.wise-paas.com/marketplace/All>

# Subscription

☰

WISE-PaaS/EnSaaS4.0 User Center

DOC Console SA EN 

  
tony.fu

Subscription

Users

Clients ▾

Profile

Roles Introduction

Subscription Management

Subscription management, information viewing




All Enterprises ▾

Name

Company

ID

🔍 Please enter subscription name

Name ▴ ▾	Company ▴ ▾	Enterprise ▴ ▾	Available Credit ▴ ▾	Member Type ▴ ▾	Accounts ▴ ▾	Hosting State
> 1- 			Unlimited	Regular	<a href="#">2</a>	<div>Hosting</div>

<


1






>


6 / page ▾



# Users

 WISE-PaaS/ EnSaaS4.0 User Center

  
tony.fu

Subscription

**Users**

Clients ▾

Profile

Roles Introduction

## Users Management

Create, assign, and manage user subscription permissions and roles

All Enterprises ▾ All Subscriptions ▾ 

username ID Please enter username


 🔍


Name ▾	Highest role ▾	Status ▾	Last login ▾	Created at ▾	Operations
tony.fu@advantech.com.tw	Subscription User	Active	2020/11/28 23:48:38	2020/05/15 16:18:38	⋮


< 1 >

6 / page ▾

# Clients

 **WISE-PaaS/EnSaaS4.0** User Center

DOC Console SA EN 

  
tony.fu

Subscription

Users

Clients ^

Management


Creation


Profile


Roles Introduction

## Client

Attention: The page operations depend on your permissions in org.

sa eks004 adv-training Please enter client name 



Client ID	Name	Workspace	Namespace	Operations
 No Data				

For create client accounts

# Profile

tony.fu

Subscription

Users

Clients

Profile


Roles Introduction


Profile


Basic information of users

User ID		First name	Tony	Last name	Fu										
Username(Email)	tony.fu@advantech.com.tw	Password	Change	Country/Region	Taiwan										
Highest role	Subscription User	Contact Phone	Binding	Status	Active										
Created at	2020/05/15 16:18:38	Origin	SSO	Last modified time	2020/11/28 23:48:38										
Creator	apimanagement														
Subscriptions	<table><thead><tr><th>Subscription</th><th>Company</th><th>ID</th><th colspan="2">Role</th></tr></thead><tbody><tr><td>1-</td><td></td><td></td><td colspan="2">Subscription User</td></tr></tbody></table>					Subscription	Company	ID	Role		1-			Subscription User	
Subscription	Company	ID	Role												
1-			Subscription User												

# Roles Introduction

 WISE-PaaS/EnSaaS4.0 User Center

DOC Console SA EN 

  
tony.fu

Subscription

Users

Clients ▾

Profile

Roles Introduction

## Roles Introduction

User role description

Tenant Space Role

Subscription Role

APP Role

Name	Description
Global Admin	An admin who oversees EnSaaS data centers worldwide with the highest privilege level that permits them to designate admins for data centers, admins for clusters, and roles for tenant spaces. The admin is allowed to manage EnSaaS subscriptions by creating such subscriptions and binding a user to any of the subscriptions.
Data Center Admin	An admin who oversees a data center with the highest privilege level that permits them to manage resources within all clusters for the data center, designate admins for clusters and roles for tenant spaces. The admin is allowed to manage EnSaaS subscription by creating such subscriptions and binding a user to any of the subscriptions.
Cluster Admin	An admin who oversees a Kubernetes cluster with the highest privilege level that permits them to manage all workspaces and namespaces, all applications deployed in the cluster, and all Kubernetes resources within the cluster. The admin can designate roles for tenant spaces but cannot manage EnSaaS subscriptions.
Cluster Owner	The owner of a dedicated cluster who manages the tenant spaces within the cluster. They can access the cluster, managing all the

# Management Portal Introduction

## Management Portal is the source management console for EnSaaS4.0:

K8S-based container cloud, supporting multi-platform clusters.  
Cross-clustered, multi-tenant support, simple and easy interface.  
Manage clusters, workspaces, namespaces, quotas, and more.  
Managing application services deployed on a cluster.

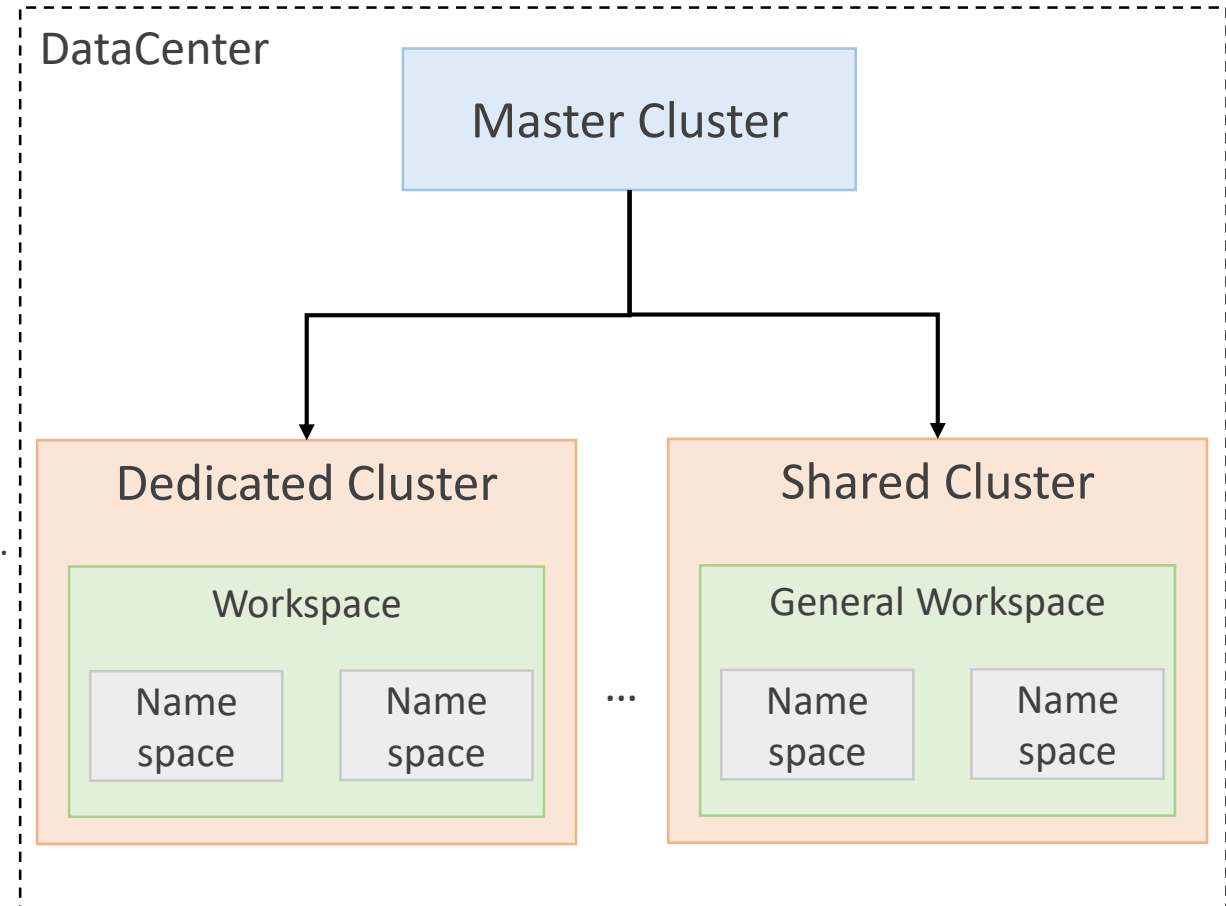
## EnSaaS K8s Service introduction :

### Dedicate Cluster

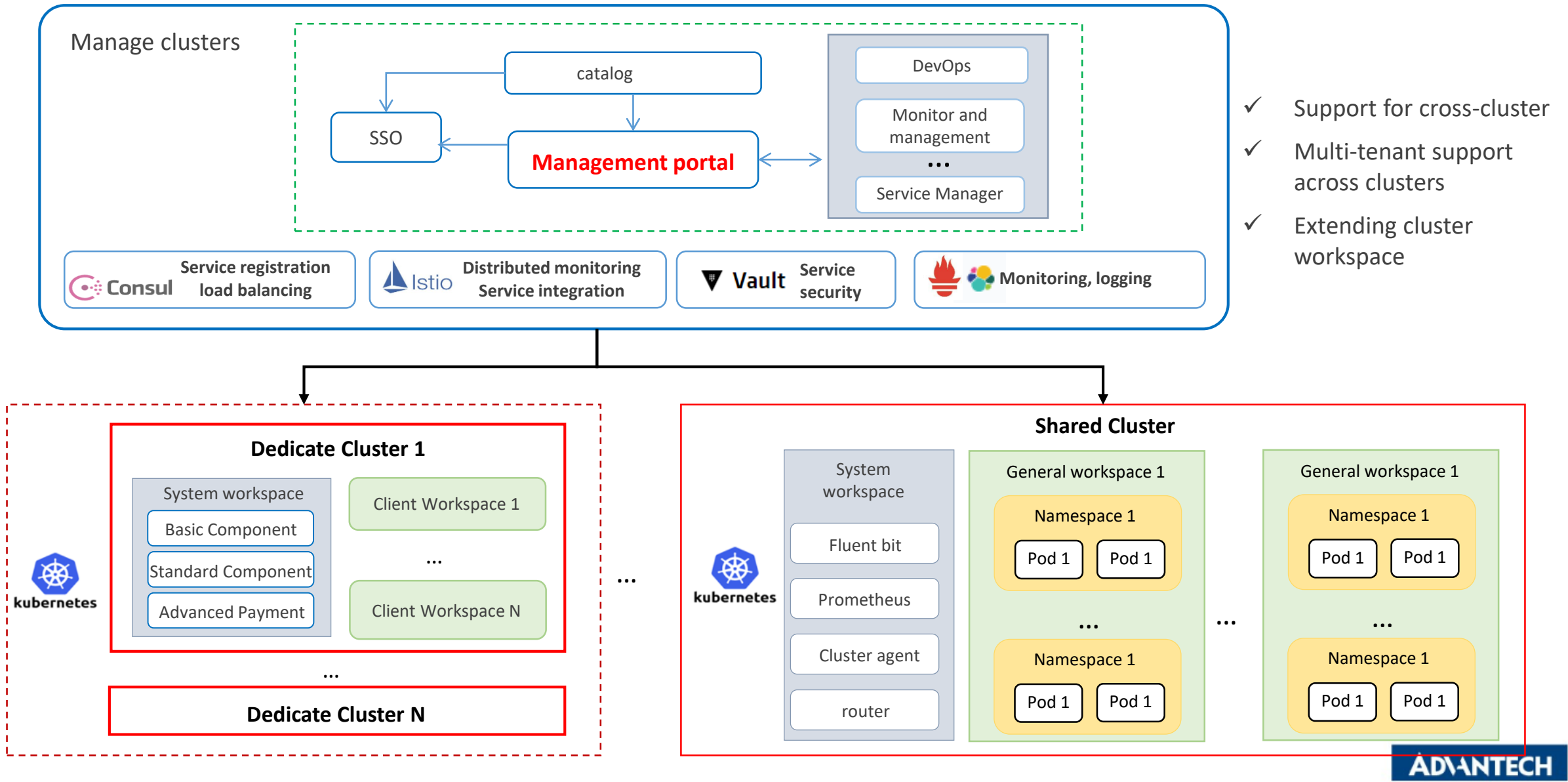
- Belongs the exclusive cluster, can create / manage the workspace, workspace quota.
- Advanced services can ordered. Includes exclusive routes, RMS, logs... etc.
- Support cluster expansion, elastic scaling, upgrade paid services... etc.

### General Workspace (Shared Cluster)


- Belongs shared cluster with secure network/tenant isolation to keep user data safe °
- can create namespaces, manage namespace quotas and resources.
- can use shared services deployed by clusters, including shared routing, logging, monitoring... etc.
- Support for workspace expansion.








# Management Portal Architecture




# Enter to Management Portal

**WISE-PaaS/EnSaaS4.0** User Center





 DOC  Console  SA  EN 

- Management Portal
- Service Portal
- Billing Portal
- Ticket Portal



# Management Portal

 Management Portal

Subscription Name : 1-1V00IAD WISE-PaaS-Internal-EA09

 Console  SA  EN 

Cluster: eks004


 Hi, tony.fu@ad...  
 namespaceDev...  
Last: 2020/11/28 23:48:38

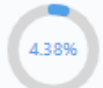
### Namespace Information


4	114	115	72	18	0.08 core	5744.69 Mi
Namespaces	Pod	Service	Secret	ConfigMap	CPU	Memory


### Namespace Status

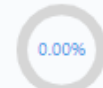
level1

 CPU  
0.77%  
0.05 / 6.5 cores

 Memory  
4.38%  
896... / 20480 Mi

 Rootfs  
0.26%  
26.79 / 10240 Mi

 Pod  
30.00%  
9 / 30

 PVC Disk  
0.00%  
0 / 0 Mi



# Space Resources Usage

Management Portal

Subscription Name :

1-1V00IAD

WISE-PaaS-Internal-EA09

Console


SA



EN


Namespace Usage (Top 5) 4


Namespace	CPU (Core) Request/Limit	CPU (Core) Usage/Quota	Memory (Mi) Request/Limit	Memory (Mi) Usage/Quota	Rootfs (Mi)	Pod	PVC Disk (Mi)
<div><div></div>level1</div>	16.92% / 26.15% 1.10 / 1.70	0.77% 0.05 / 6.50	11.75% / 21.75% 2406.00 / 4454.00	4.38% 896.58 / 20480.00	0.26% 26.79 / 10240.00	30.00% 9 / 30	0.00% 0.00 / 0
<div><div></div>level2</div>	17.11% / 20.56% 1.54 / 1.85	0.11% 0.01 / 9.00	24.38% / 24.38% 4992.00 / 4992.00	12.75% 2610.61 / 20480.00	0.02% 6.68 / 28672.00	24.27% 91 / 375	0.00% 0.00 / 0
<div><div></div>level3</div>	23.00% / 33.00% 0.23 / 0.33	0.00% 0.00 / 1.00	29.98% / 39.75% 614.00 / 814.00	13.25% 271.32 / 2048.00	0.01% 0.25 / 2048.00	40.00% 4 / 10	0.00% 0.00 / 0
<div><div></div>trainingapps</div>	17.23% / 26.31% 1.12 / 1.71	0.31% 0.02 / 6.50	16.56% / 22.81% 3392.00 / 4672.00	9.60% 1966.18 / 20480.00	2.72% 278.98 / 10240.00	33.33% 10 / 30	0.00% 0.00 / 0


# Management Portal Menu


 **WISE-PaaS/EnSaaS4.0** Management Portal


Subscription Name : 1- 

Console SA EN 

 Global

 Applications

 Platform management


 Shared Cluster

General Workspaces


Namespaces

Workloads


Monitor

 Infrastructure

Quotas

 User

Resource Permissions

 Router management

Ingress

UI Version : V 4.0.11-req2-hotfix1






















API Version : V 4.0.11-req2-hotfix1

management resource, management access, and internal co-sources, etc.

Workspace

Namespace

Please input App Name

Service Package	Cluster	Workspace	Namespace	Version	Update	Redeploy	Start/Stop	Access URL	Web Kubectl
Unclassified	ews002	ml- 	oe- 	1.3.0					
Unclassified	ews002	ml- 	oe- 	2.0.8					
Unclassified	ews002	ml- 	oe- 	1.3.8					

< 1 >

# Applications

☰

Management Portal

Subscription Name : 1-

Console

SA

EN

Applications (3)

Application is a logical unit of management resource, management access, and internal co-sources, etc.

Cluster

All

Workspace

All

Namespace

All

🔍 Please input App Name

Service Package

All

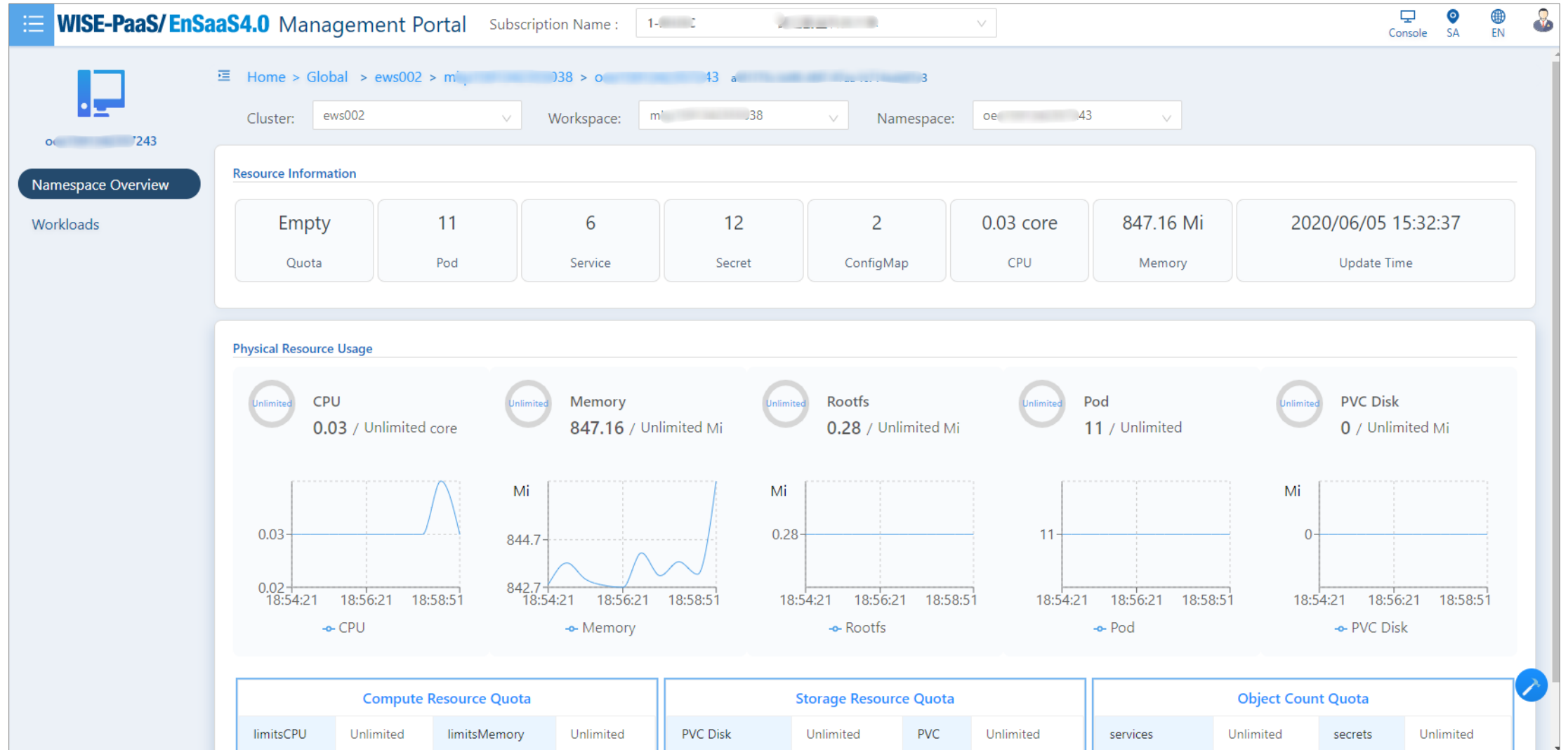
Status	App Name	Service Package	Cluster	Workspace	Namespace	Version	Update	Redeploy	Start/Stop	Access URL	Web Kubectl
<div><div>●</div>Running</div>	OEE	<div><div>●</div>Running</div>	ews002	ml- <div></div> 5038	oe- <div></div> 7243	1.3.0	<div>⬆</div>	<div>🔄</div>	<div>⏏</div>	<div>🔗</div>	<div>📄</div>
<div><div>●</div>Running</div>	DataHub	<div><div>●</div>Stopped</div>	ews002	ml- <div></div> 5038	oe- <div></div> 7243	2.0.8	<div>⬆</div>	<div>🔄</div>	<div>⏏</div>	<div>🔗</div>	<div>📄</div>
<div><div>●</div>Running</div>	Dashboard	<div><div>●</div>Limited</div>	ews002	ml- <div></div> 5038	oe- <div></div> 7243	1.3.8	<div>⬆</div>	<div>🔄</div>	<div>⏏</div>	<div>🔗</div>	<div>📄</div>

●

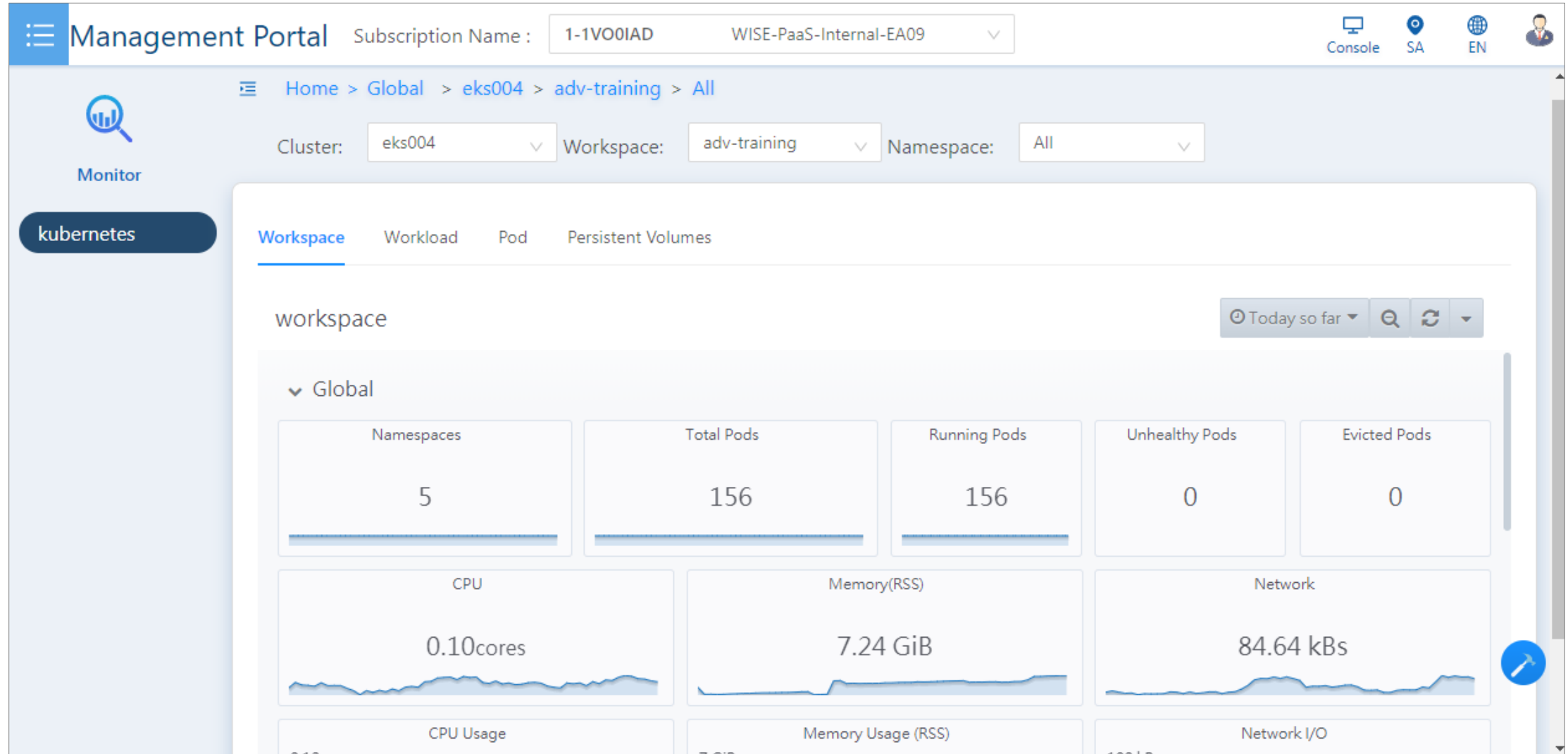
Error

ADVA TECH

# Performance Management



# Performance Management > Monitor



# Infrastructure > Quotas

Management Portal

Subscription Name : 1-1VO0IAD WISE-PaaS-Internal-EA09

Console SA EN

Quotas

WorkspaceQuotas

NamespaceQuotas

Home > Global > eks004 > adv-training

NamespaceQuotas

NamespaceQuotas: 3

NamespaceQuotas are a mechanism used to limit the amount of user resources used. Amount of resources used to name workspaces.

Cluster Workspace

eks004 adv-training

Please input Namespace Quotas name

+

Name	LimitsCPU (Core)	LimitsMemory (Mi)	LimitsRootfs (Mi)	PVC Disk (Mi)	Pods	PVC	Services	Secrets	Co
> level1-6.5c20g30p	6.5	20480.00	10240.00	0.00	30	0	20	30	20
> level2-9c20g28g375p	9	20480.00	28672.00	0.00	375	0	375	20	

For create new namespace quota

# Users > Resource Permission

**WISE-PaaS/EnSaaS4.0** Management Portal

Console SA EN

## Resource Permissions

Create, assign, and manage user resource permissions and roles

eks004 Select a workspace Select a namespace Please input username

**+**

For create new account

Name	Highest Role	Status	Last Login	Operation
r...@gmail.com	clusterOwner	Active	2020/11/30 19:28:17	<b>⋮</b>
...@advantech.com.tw	clusterOwner	Active	2020/10/26 09:39:09	⋮
n...@advantech.com	namespaceDeveloper	Active	2020/11/06 16:50:07	⋮
0...@yahoo.com.tw	namespaceDeveloper	Active	2020/04/29 10:26:27	⋮

For edit account permissions  
Such as workspaceOwner, namespaceDeveloper

# Router Management > Ingress

Management Portal Subscription Name : 1-1VO0IAD WISE-PaaS-Internal-EA09

Home > Global

trainingapps

Ingress Overview

dashboard-mongodb-api	dashboard-mongodb-api.trainingapps.eks004.en.internal	dashboard-mongodb-api-trainingapps-eks004.sa.wise-paas.com	/	dashboard-mongodb-api	3000	2020/8/21 10:15:45	⋮
dashboard-trainingapps	dashboard.trainingapps.eks004.en.internal	dashboard-trainingapps-eks004.sa.wise-paas.com	/	dashboard-trainingapps	80	2020/11/27 16:13:45	⋮
datahub-trainingapps	portal-datahub.trainingapps.eks004.en.internal	portal-datahub-trainingapps-eks004.sa.wise-paas.com	/	datahub-trainingapps	http	2020/11/13 14:09:58	⋮
notification-trainingapps	portal-notification.trainingapps.eks004.en.internal	portal-notification-trainingapps-eks004.sa.wise-paas.com	/	notification-trainingapps	http	2020/11/13 13:53:26	⋮

View the detail and yaml file

The URL for access the apps



# Service Portal > Service Instances

WISE-PaaS/EnSaaS4.0 Service Portal Subscription Name: 1- [redacted] [redacted] [redacted]

Console SA EN [User Icon]

Service Instances Monitor Service Usage

subscriptions

Type and press ENTER to search Instance Name.

Total: 4

Select the subscription Name

Instance ID	Service Name	Plan	Creation Time	Action
243 2ece [redacted] 19e1-a3f [redacted] 5d f6f1346	PostgreSQL	Shared	2020/6/5 15:32:47	[redacted] Secret Management
243 07fc [redacted] 959-ab [redacted] 721 7a6bc8a	MongoDB	Shared	2020/6/5 15:32:49	[redacted]
7243 c1f4b [redacted] -4ee5-8 [redacted] 6c0 5f0e6e5	Redis	Containerized	2020/6/5 15:33:10	[redacted]
57243 6036 [redacted] 3-4e7e-9 [redacted] 310 d056a8ae	RabbitMQ	standard	2020/6/5 15:33:09	[redacted]

V-1.1.3.3


# Secret Management

**WISE-PaaS/EnSaaS4.0** Service Portal    Subscription Name : 1- [redacted] [redacted]

Console    SA    EN    [User Icon]




**Secret Management**    Instance Name: postgresql-oe1591342357243    Service Name: PostgreSQL    Plan: Shared

Manage the secrets for connect to service

Search: Type and press ENTER to search Secret Name. **Create secret** 

**Secrets**

Service Keys

Secret Name	Action
datahub-o [redacted] 43-secret	
oe1-oe [redacted] 57243-secret	 View Recreate Delete
dashboard-c [redacted] 57243-secret	

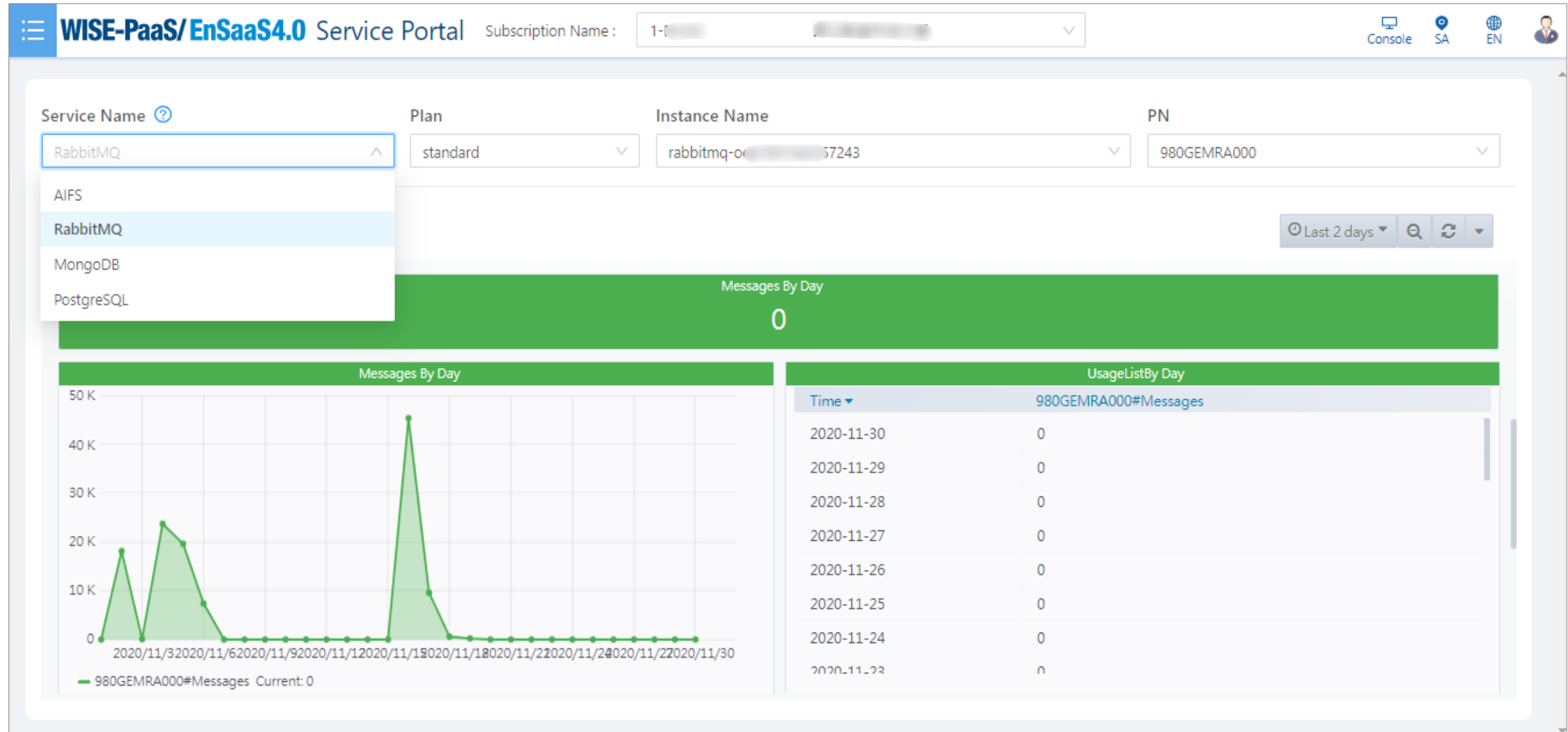
**View**

Credentials    Parameters


```
{
  "async": false
  "binding_name": "datahub-oe [redacted] 7243-secret"
  "credentials": {
    "database": "2ece [redacted] -709 [redacted] 1346"
    "externalHosts": "10.0. [redacted] :5432"
    "host": "10.0.1.31"
    "internalHosts": "10.0. [redacted] :5432"
    "password": "jCB [redacted] rqqh02Kdb"
    "port": 5432
    "uri": "postgres:// [redacted] : [redacted] @ [redacted] :5432/[redacted]"
  }
}
```


OK


# Service Portal > Service Usage




# Billing Portal > Order



 **WISE-PaaS/EnSaaS4.0** Bill Portal

ConsoleSAEN

 **Order**

 **Bill**

Subscription

1- 


Time



time type

Start date → End date

Order ID

order id





 

Type	Service	Status	Activated At(UTC + 8)	Ended At(UTC + 8)	Total Listing Prorated Price	Total Discount Price	Total Prorated Price	Action
Renew	RabbitMQ	Available	2020-11-01 00:00:00	2020-11-30 23:59:59	0.00	0.00	0.00	<a href="#">View Details</a>
Renew	OEE	Completed	2020-11-01 00:00:00	2020-11-30 23:59:59	38.71	1.29	40.00	<a href="#">View Details</a>
Renew	RabbitMQ	Available	2020-10-01 00:00:00	2020-10-31 23:59:59	0.00	0.00	0.00	<a href="#">View Details</a>
Renew	OEE	Completed	2020-10-01 00:00:00	2020-10-31 23:59:59	40.00	0.00	40.00	<a href="#">View Details</a>
Renew	OEE	Completed	2020-09-01 00:00:00	2020-09-30 23:59:59	38.71	1.29	40.00	<a href="#">View Details</a>
Renew	RabbitMQ	Available	2020-09-01 00:00:00	2020-09-30 23:59:59	0.00	0.00	0.00	<a href="#">View Details</a>
Renew	RabbitMQ	Completed	2020-08-01 00:00:00	2020-08-31 23:59:59	0.00	0.00	0.00	<a href="#">View Details</a>
Renew	OEE	Completed	2020-08-01 00:00:00	2020-08-31 23:59:59	40.00	0.00	40.00	<a href="#">View Details</a>
Renew	OEE	Completed	2020-07-01 00:00:00	2020-07-31 23:59:59	40.00	0.00	40.00	<a href="#">View Details</a>
Subscribe	OEE	Completed	2020-06-05 15:33:59	2020-06-30 23:59:59	33.55	1.12	34.67	<a href="#">View Details</a>

Total 10 orders < 1 > 10 / page

# Billing Portal > Bill

 **WISE-PaaS/EnSaaS4.0** Bill Portal

Console SA EN 

### Bill


① The total cost for the current month will be generated at the beginning of the next month. You can view and export the bill after 10:00 am on the fourth day of the next month.

Bill Cycle  CRMID  Subscription  Service

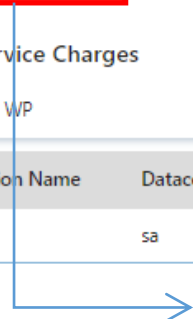
Currency Unit 

WP

USD



Total Prepaid Service Charges		Total Prepaid Member Discounts		Total Postpaid Usage Charges		Total Postpaid Member Discounts		Total
40.00 WP		0.00 WP		0.00 WP		0.00 WP		40.00 WP
CRMID	Subscription Name	Datacenter	Wise Type	Prepaid Service Charges	Prepaid Member Discounts	Postpaid Usage Charges	Postpaid Member Discounts	Total Charges
1-...	1-...	sa	Regular	40.00 WP	0.00 WP	0.00 WP	0.00 WP	40.00 WP

 Select display by WISE-Point or USD

Total 1 bills 

<

1

>

10 / page

# EnSaaS 4.0 Portal Summary

## User Center

The User Center interface displays subscription management and user profile information. It includes a sidebar with navigation options like 'Subscription', 'Users', 'Clients', 'Profile', and 'Roles Introduction'. The main content area shows a 'Subscription Management' section with a search bar and a table of subscriptions. Below this, there is a section for 'User Profile' and 'Roles Introduction'.

**For user profile, subscriber and application role management.**

## Catalog Portal

The Catalog Portal interface displays a grid of IoT Suite services. It includes a search bar and a 'Get Free Trial Now' button. The services are categorized into different groups, such as 'IoT Suite', 'APIs', 'Data', and 'Security'. Each service card shows the service name, version, and a brief description.

**For subscribe services and applications.**

## Bill Portal

The Bill Portal interface displays order management and usage fee management. It includes a search bar and a table of orders. The table columns include 'Order ID', 'Service', 'Status', 'Activated At(UTC + 8)', 'Ended At(UTC + 8)', 'Total Listing', 'Protested Price', 'Total Discount Price', 'Total Protested Price', and 'Action'. Below the table, there is a section for 'Usage Fee Management'.

**For order and usage fee management.**

## Management Portal

The Management Portal interface displays namespace information and resource management. It includes a sidebar with navigation options like 'Namespace Information', 'Namespace Status', and 'Resource Management'. The main content area shows a 'Namespace Information' section with a table of namespaces. Below this, there is a section for 'Namespace Status' and 'Resource Management'.

**For resource and accessed role permission.**

## Service Portal

The Service Portal interface displays service instances and secret management. It includes a search bar and a table of service instances. The table columns include 'Status', 'Instance Name', 'Instance ID', 'Service Name', 'Plan', 'Creation Time', and 'Action'. Below the table, there is a section for 'Secret Management'.

**For service and secret management for message center and database.**

## Tickets Portal

The Tickets Portal interface displays ticket management and technical support. It includes a search bar and a table of tickets. The table columns include 'ID', 'Project', 'Status', 'Severity', 'Subject', 'Created on', and 'Updated on'. Below the table, there is a section for 'Technical Support'.

**For technical support service requirement apply.**

# Course Outline

## 01 EnSaaS 4.0 Portals

- User Center
- Management Portal
- Service Portal
- Billing Portal

## 02 Role of WISE-PaaS

- Organization
- Role permissions

## 03 Subscription Process

- Subscription process
- Subscription notices

# 『 Organization 』 Introduction

## Application scenarios

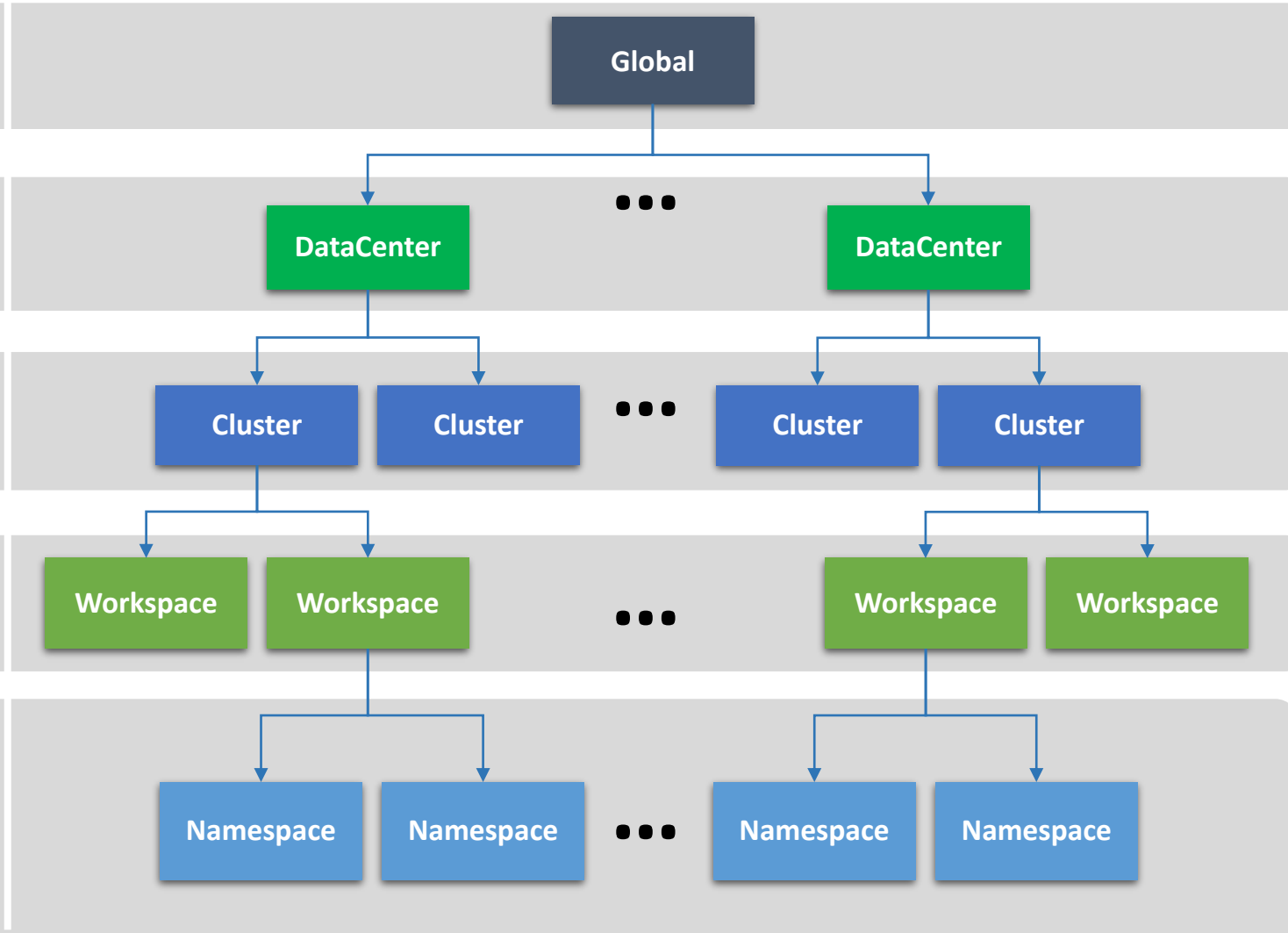
Collection of global data centers

DataCenter built on different IaaS °  
EX : Azure HK , AWS ...etc

Monitor resource quotas, storage, network resources

management of different project apps

The smallest level of resource management,  
using cluster resources to deploy / construct applications

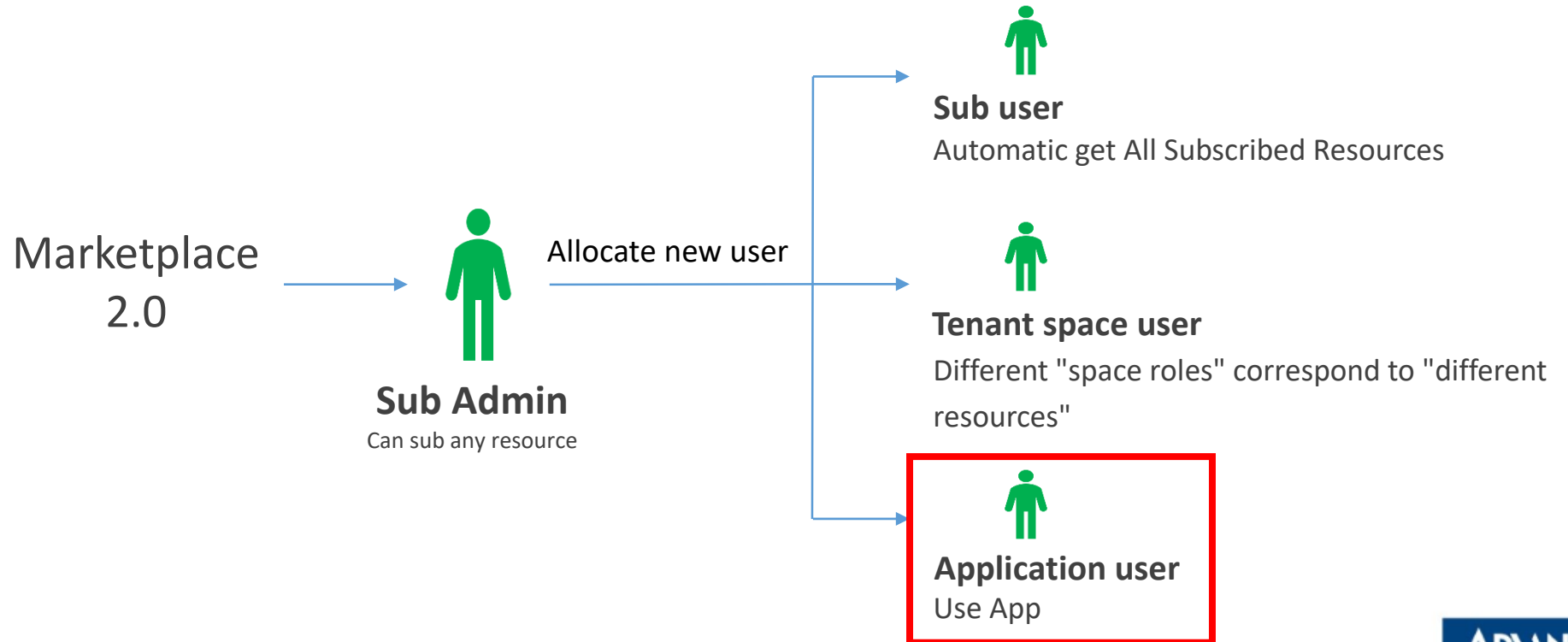




# Role Permissions Introduction

		Sub permissions		Space permissions						App permissions			
Role dimension	Role permissions	Create Sub Admin	Create Sub user	Cluster Sub Mg	Cluster Access	Workspace Mg	Workspace Access	Namespace Mg	Namespace Access	App sub	App Access	Service sub	Service Access
Sub Mg	Sub Admin												
	Sub user												

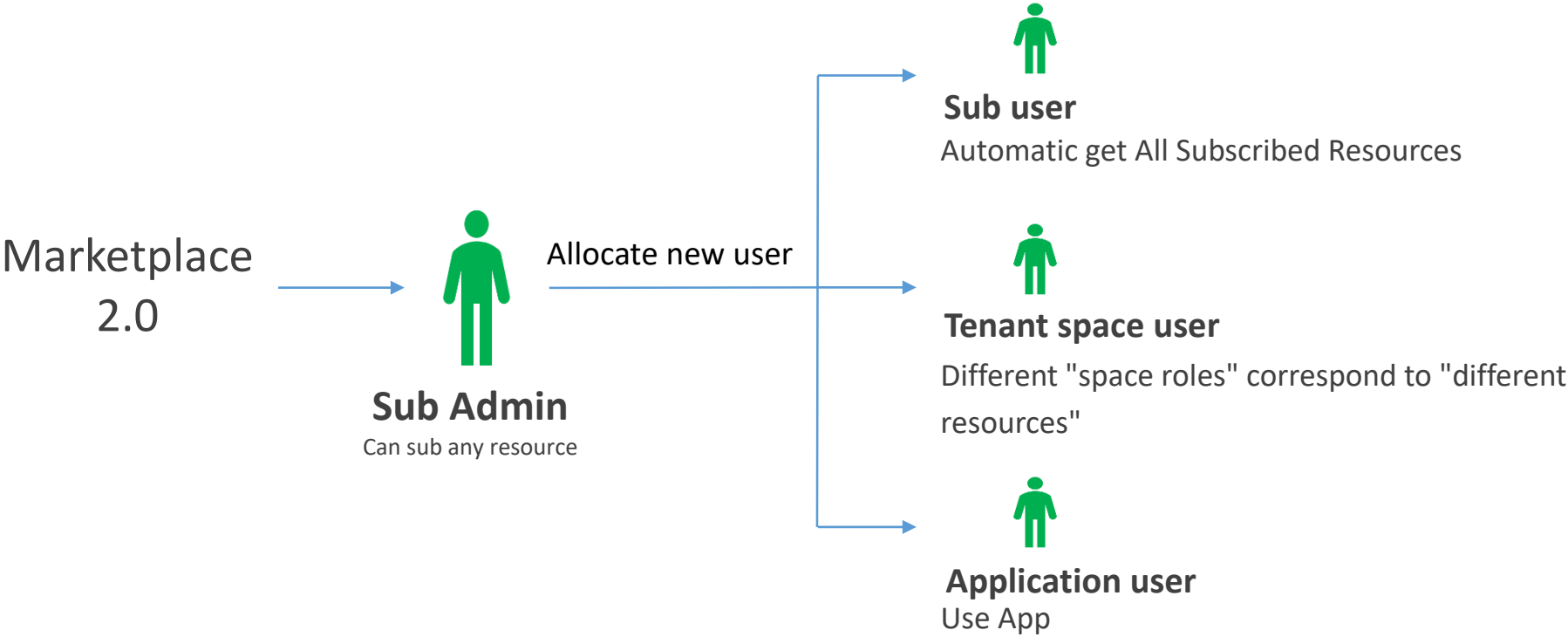
Platform Mg	Global Admin
	DataCenter Admin
	Cluster Admin
Tenant space Mg	Cluster Owner
	Workspace Owner
	Namespace Owner
App Mg	App Developer



# Role Permissions Introduction

		Sub permissions		Space permissions						App permissions			
Role dimension	Role permissions	Create Sub Admin	Create Sub user	Cluster Sub Mg	Cluster Access	Workspace Mg	Workspace Access	Namespace Mg	Namespace Access	App sub	App Access	Service sub	Service Access
Sub Mg	Sub Admin		Subscribe, manage, access all spaces can add Subscription user							Sub App	Access App	Sub Services	Access Services
	Sub user				Only access to clusters, no subscriptions to manage clusters Manageable, access to the underground space								

Platform Mg	Global Admin
	DataCenter Admin
	Cluster Admin
Tenant space Mg	Cluster Owner
	Workspace Owner
	Namespace Owner
App Mg	App Developer



# Role Permissions Introduction

		Sub permissions		Space permissions						App permissions			
Role dimension	Role permissions	Create Sub Admin	Create Sub user	Cluster Sub Mg	Cluster Access	Workspace Mg	Workspace Access	Namespace Mg	Namespace Access	App sub	App Access	Service sub	Service Access
Sub Mg	Sub Admin		Subscribe, manage, access all spaces can add Subscription user							Sub App	Access App	Sub Services	Access Services
	Sub user				Only access to clusters, no subscriptions to manage clusters Manageable, access to the underground space								



Platform Mg	Global Admin	Can add sub Admin Can add sub user		Subscription, management, access to the underground space						Sub App		Sub Services	
	DataCenter Admin	Can add sub Admin Can add sub user		Subscription, management, access to the underground space									
	Cluster Admin			Subscription, management, access to the underground space									
Tenant space Mg	Cluster Owner				Only access to clusters, no subscriptions to manage clusters Manageable, access to the underground space						Access App		
	Workspace Owner						Access to workspace only Access / Manage Underground Space						
	Namespace Owner								Use App				
App Mg	App Developer												

# Tenant Space Role

Name	Description
Global Admin	An admin who oversees EnSaaS data centers worldwide with the highest privilege level that permits them to designate admins for data centers, admins for clusters, and roles for tenant spaces. The admin is allowed to manage EnSaaS subscriptions by creating such subscriptions and binding a user to any of the subscriptions.
Data Center Admin	An admin who oversees a data center with the highest privilege level that permits them to manage resources within all clusters for the data center, designate admins for clusters and roles for tenant spaces. The admin is allowed to manage EnSaaS subscription by creating such subscriptions and binding a user to any of the subscriptions.
Cluster Admin	An admin who oversees a Kubernetes cluster with the highest privilege level that permits them to manage all workspaces and namespaces, all applications deployed in the cluster, and all Kubernetes resources within the cluster. The admin can designate roles for tenant spaces but cannot manage EnSaaS subscriptions.
Cluster Owner	The owner of a dedicated cluster who manages the tenant spaces within the cluster. They can access the cluster, managing all the workspaces and namespaces of the cluster, the applications deployed by tenants within the cluster, certain Kubernetes resources within the cluster, and designate roles for the workspaces and namespaces. They cannot subscribe to, upgrade, downgrade, or unsubscribe from the cluster.
Workspace Owner	The owner of a general workspace or a workspace built within a dedicated cluster. They are in charge of the tenant spaces within a workspace and can access the workspace and manage all namespaces within the workspace, all tenant-deployed applications within the workspace, and certain Kubernetes resources (and have access to these resources). They can designate roles for namespaces but cannot subscribe to, upgrade, downgrade, or unsubscribe from the workspace.
Namespace Developer	The developer of a namespace. They can access the namespace and all applications deployed within the namespace and manage certain Kubernetes within the namespace.

# Subscription Role and App Role

## Subscription Role:

Name	Description
Subscription Admin	The admin of an EnSaaS subscription. An EnSaaS subscription is bound to a MyAdvantech account. The admin can subscribe to, upgrade or downgrade, and unsubscribe from a product, service, or resource (all of which are referred to cloud services) on the EnSaaS platform. The admin can manage or access a cloud service on the EnSaaS platform they have subscribed to. The admin can also manage orders and bills for cloud services.
Subscription User	A user of a subscription. The user can manage and access the cloud services covered in the subscription but cannot subscribe to any cloud service, unsubscribe from the service, or manage an order or bill for the service.

## App Role:

Name	Description
SRP User	The user of a cloud-based application. They can access the application, and their role is assigned by the visitor to the application who has the highest privilege. They cannot access any EnSaaS tenant space.

# Course Outline

## 01 EnSaaS 4.0 Portals

- User Center
- Management Portal
- Service Portal
- Billing Portal

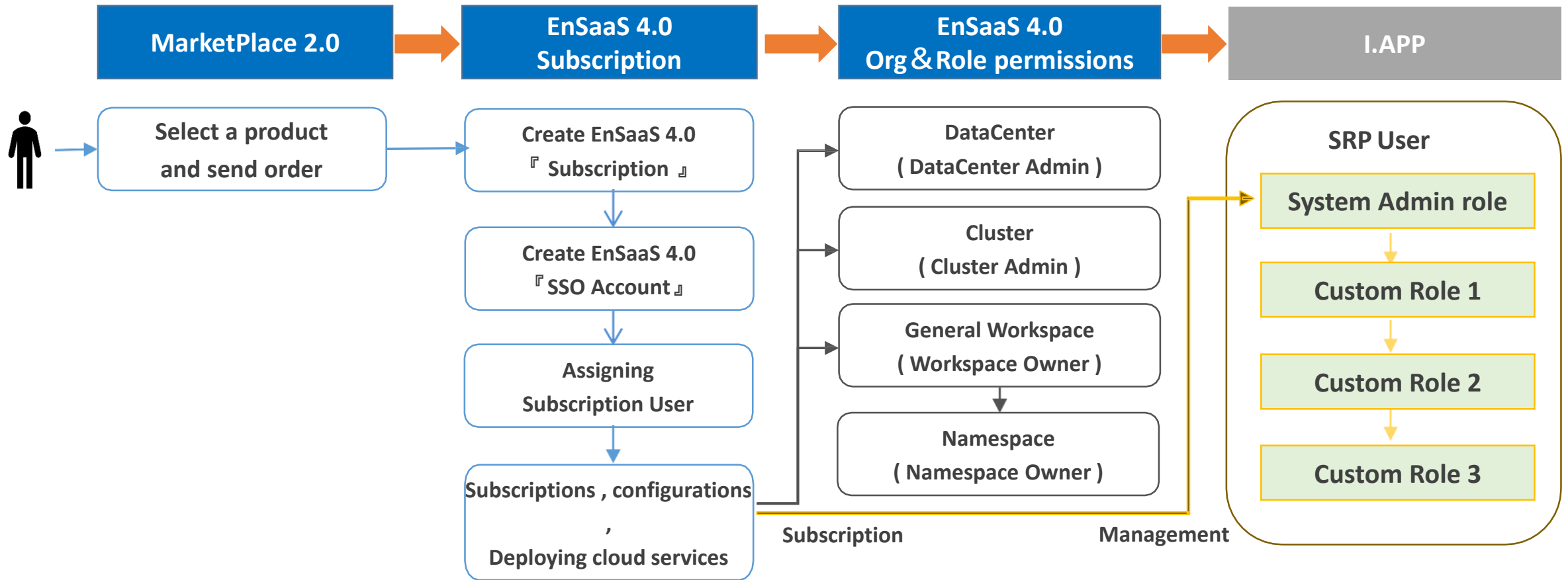
## 02 Role of WISE-PaaS

- Organization
- Role permissions

## 03 Subscription Process



- Subscription process
- Subscription notices

# Subscription process



# Login to Marketplace

<https://wise-paas.advantech.com/>

**WISE-Marketplace**

Search Marketplace


Login | Contact Us

Products ▾ Solutions ▾ Resource ▾ Partners ▾

## Use I.App building blocks to construct your own AIoT solutions

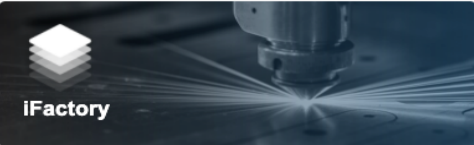
Advantech WISE-Marketplace is your one-stop AIoT industrial apps marketplace. From domain specific apps, to edge and cloud services, training and consulting, its all here for you. So start looking for the industrial app that best fits your domain scenario. Go for it!


[Shop Now](#)





## Domain-Focused Industrial Apps Collection

WISE-Marketplace provides pre-tested domain-focused I.Apps ready to integrate directly into your IoT scenarios. Browse the collections to see which I.Apps deserve a download.

**iFactory**

**Water Treatment**







## Login with MyAdvantech Account

ADVANTECH

Enabling an Intelligent Planet

Register

MyAdvantech

Products

Solutions

Services

Partners

Support

Corporate

Contact

eStore

Sign In

I have an Advantech account

English

Email address

kang.ning@advantech.com.cn

Password

\*\*\*\*\*

Sign In

Forgot your password?

New to Advantech ?

Sign Up Today

Create your Advantech Account and enjoy these benefits:

- Download member-exclusive product materials
- Get access to your local Advantech eStore
- Receive eMail notices for Advantech seminars and events

ADVANTECH Online

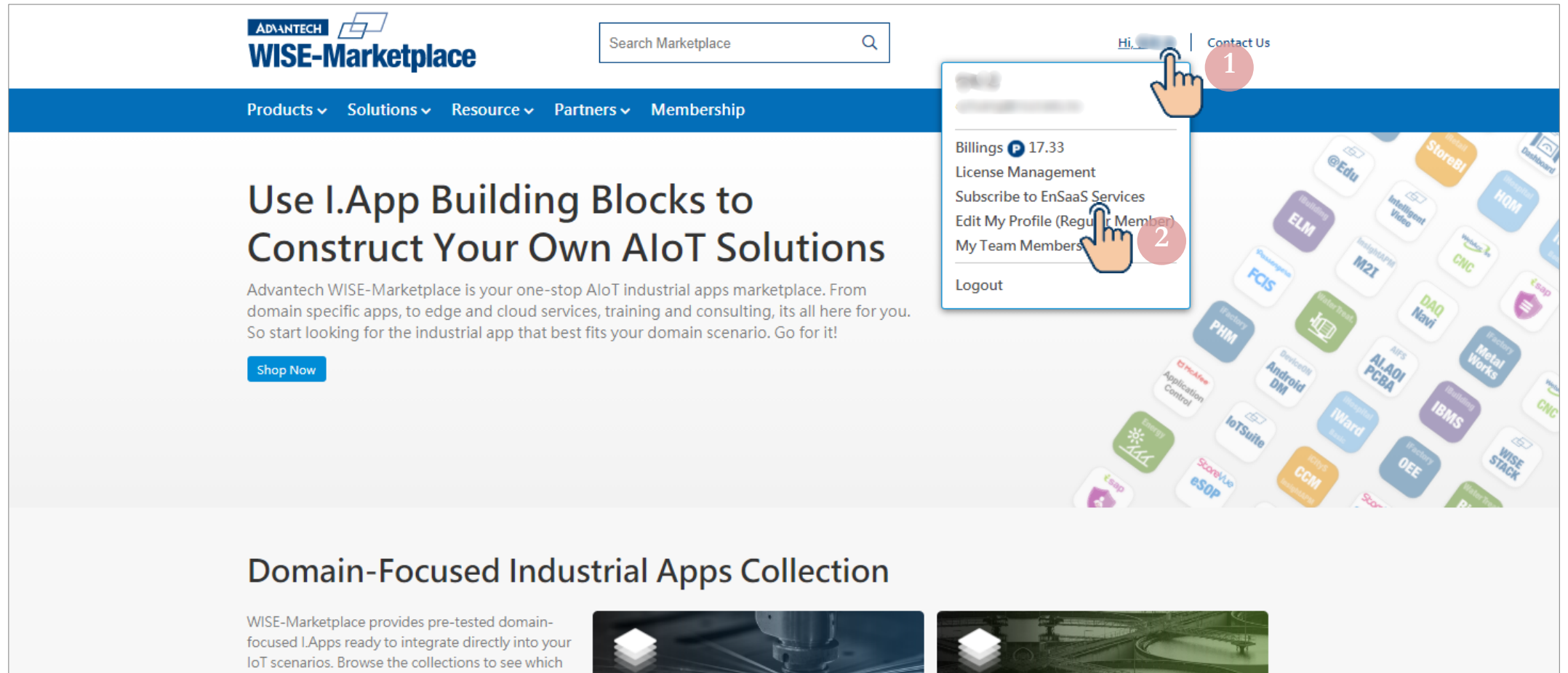
Buy Online

Live Chat

1-888-576-9668

# Subscribe to EnSaaS Services

From the “Account” menu, select “Subscribe to EnSaaS Services”



The screenshot displays the ADVANTECH WISE-Marketplace website. The top navigation bar includes the logo, a search bar, and a user profile dropdown menu. The user profile menu is open, showing options like 'Billings', 'License Management', 'Subscribe to EnSaaS Services', 'Edit My Profile (Regular Member)', 'My Team Members', and 'Logout'. A red circle with the number '1' highlights the user profile icon, and a red circle with the number '2' highlights the 'Subscribe to EnSaaS Services' option. The main content area features a large heading 'Use I.App Building Blocks to Construct Your Own AIoT Solutions' and a 'Shop Now' button. Below this, there is a section titled 'Domain-Focused Industrial Apps Collection' with a brief description and two images of industrial equipment.

**ADVANTECH WISE-Marketplace**

Search Marketplace

Products ▾ Solutions ▾ Resource ▾ Partners ▾ Membership

## Use I.App Building Blocks to Construct Your Own AIoT Solutions

Advantech WISE-Marketplace is your one-stop AIoT industrial apps marketplace. From domain specific apps, to edge and cloud services, training and consulting, its all here for you. So start looking for the industrial app that best fits your domain scenario. Go for it!

[Shop Now](#)

### Domain-Focused Industrial Apps Collection

WISE-Marketplace provides pre-tested domain-focused I.Apps ready to integrate directly into your IoT scenarios. Browse the collections to see which

# “Confirm” for Paid Subscriber


Click “Confirm” to become a paid subscriber of EnSaaS service. Subscribing to EnSaaS services will require WISE Points. Please contact our sales representative for more information about WISE Points. If already become a paid subscriber, can directly find and subscribe the applications or services.

The screenshot displays the WISE-Marketplace interface. At the top, the Advantech logo and 'WISE-Marketplace' text are on the left, a search bar is in the center, and a user greeting 'Hi, Ivy Kang' is on the right. A blue navigation bar contains 'Products', 'Solutions', and 'Resource' with dropdown arrows. The main content area is titled 'Subscribe to EnSaaS Services' and includes a paragraph: 'Click Confirm to subscribe to EnSaaS services. Subscribing to EnSaaS services will require WISE Points. Please contact our sales representative for more information about WISE Points.' Below this text is a blue 'Confirm' button with a hand cursor icon pointing at it. A modal dialog box is overlaid on the right, showing a success message: 'Hooray! You are now an EnSaaS paying subscriber. Get Started with WISE-PaaS/EnSaaS.' with an 'OK' button. The footer contains the Advantech logo, copyright information '© 1983-2020 Advantech Co., Ltd. | 隱私權政策', a 'digicert' security badge, and a '繁體中文' language selector.

# Subscribe from Marketplace


Current Role : 研華股份有限公司 [Change my role back](#)

**ADVANTECH**  
**WISE-Marketplace**

Search Marketplace 

Hi, Tony Fu | [Contact Us](#)

[Products](#) ▾ [Solutions](#) ▾ [Resource](#) ▾ [Partners](#) ▾ [Membership](#)

 WISE-PaaS/EnSaaS K8s Service [Pricing Details](#)

[Product Details](#)  
[Service Architecture](#)  
[Pricing Details](#)  
[Related Materials](#)

## Pricing Details

General Workspace

EnSaaS 4.0  
Kubernetes Service  
General Workspace  
Plan  
980GENGW100  
**9 WP**

[Subscribe](#)

Dedicated Cluster

EnSaaS 4.0  
Kubernetes Service  
Dedicated Cluster  
Plan  
980GENDC000  
**55 WP**

[Subscribe](#)

**ADVANTECH**

# Subscribe from EnSaaS Catalog

The screenshot displays the 'WISE-PaaS/EnSaaS4.0 User Center' interface. At the top, there's a navigation bar with a menu icon, the title 'WISE-PaaS/EnSaaS4.0 User Center', and icons for 'DOC', 'Console', 'SA', 'EN', and a user profile. Below this, a secondary bar shows 'WISE-PaaS/EnSaaS4.0 Catalog Portal' and a 'Subscription Name' dropdown menu, which is highlighted with a red box and a callout bubble saying 'Verify and select subscription account'. To the right of the dropdown, there's a location icon also highlighted with a red box and a callout bubble saying 'Verify datacenter'. The main content area features a 'IoTsuite' banner with the tagline 'One-stop industrial IoT development kit and cloud-native application and data platform.' and a 'Get Free Trial Now' button. Below the banner is a grid of service tiles, each with an icon, name, and version number. The tiles include IoTsuite, AIFS, AndroidDM, APM.CNC, APM.M2I, Application Framework Service, Dashboard, DataAdapter, DataHub, DeviceOn, EHS, EnSaaS K8s Service, FEMS, InfluxDB, InsightAPM, Job Report, LwM2M, Microservice Framework, EnSaaS DataService, Notification, OEE, and OTA.

WISE-PaaS/EnSaaS4.0 User Center

DOC Console SA EN

WISE-PaaS/EnSaaS4.0 Catalog Portal Subscription Name 1-0

Catalog Console Resource

IoTsuite  
One-stop industrial IoT development kit and cloud-native application and data platform.

Get Free Trial Now

Verify and select subscription account

Verify datacenter

All search

IoTsuite IoTsuite 3.0 OFF	AIFS AIFS 3.0	AndroidDM AndroidDM 0.1.0	APM.CNC EnSaaS 4.0 2.4.0	APM.M2I InsightAPM M2I 1.2.0	Application Framework Service EnSaaS 4.0
Dashboard Dashboard 2.0.7	DataAdapter EnSaaS 4.0 1.0.1	DataHub DataHub 2.0.8	DeviceOn Device Mgmt. 1.1.74	EHS EnSaaS 4.0 1.2.1	EnSaaS K8s Service EnSaaS 4.0 4.0.10
FEMS FEMS 2.3.0	InfluxDB EnSaaS DataService 1.0.0	InsightAPM InsightAPM 2.8.0	Job Report JReport 0.0.2	LwM2M LwM2M 1.0.0	Microservice Framework MSF 1.5.2
EnSaaS DataService	Notification	OEE OEE CP	OEE OEE CP	OEE OEE SE	OTA OTA 2.0


If you have more than one EnSaaS 4.0 subscription account, please verify and select the right one to be used to make to subscriptions.






# Search and Select Service

The screenshot displays the 'WISE-PaaS/EnSaaS4.0 Catalog Portal'. The top navigation bar includes 'Catalog', 'Console', and 'Resource'. A search bar is highlighted with a red box and labeled 'Search field' with a callout. The search results show 'EnSaaS K8s Service 4.0.10' as the first result, with a hand icon indicating selection. A red text overlay states: 'Browse and search for cloud services, i.e. “K8s”'. An inset screenshot shows a search for 'Data' resulting in 'DataAdapter 1.0.1' and 'DataHub 2.0.8', with a hand icon indicating selection. A 'New 25% OFF' banner is visible in the top right corner.

Note: If you subscribe services separating, you will need subscribe “EnSaaS K8s Service” first. Because you need to get the space and basic resources.

# Check the Pricing Detail – K8s Service

 WISE-PaaS/EnSaaS4.0 Catalog Portal Subscription Name 1- [redacted] [redacted] [redacted] [redacted]

 0  Console  SA  EN 



## EnSaaS K8s Service

Service Provider: Advantech  
Service Category: IoT Cloud Services, Industrial Cloud Solutions

As the WISE-PaaS AIoT data application platform evolves to version 4.0 with Kubernetes, the newly introduced micro-service and open design broadens our service portfolio to match the partner's development and operation need.

9.00<sub>up</sub>  
WISE-Point

Monthly Subscription / Redeem

Pricing Details

Service Details

Service Architecture & Successful Cases

Pricing Details

Release Note

WISE-PaaS/EnSaaS K8s Service Cloud Service

Dedicated Cluster

55.00<sub>up</sub>  
WISE-Point

Redeem

General Workspace

9.00<sub>up</sub>  
WISE-Point

Redeem

# Buy Portal > Apps & Dependencies – K8s Service

WISE-PaaS/EnSaaS4.0 Buy Portal

ConsoleSAEN

1 Apps & Dependencies

2 Summary

Pricing Plan

Please choose how your service usage will be charged

Prepaid Monthly Subscription

Pay-As-You-Go

Subscribe to services on a monthly basis with an upfront, non-refundable payment on the 1st day of each month. More cost-effective than Pay-As-You-Go plan, but no cancellation or downgrading of the services allowed during the billing cycle.

Data Center

Data Center

Azure Singapore

Please Note: You can't change the datacenter at this time

Ensaas to be Deployed

You may customize your subscription below

EnSaaS-K8s-Service

9.00 WISE-Point

As the WISE-PaaS AIoT data application platform evolves to version 4.0 with Kubernetes, the newly introduced micro-service and open design broadens our service portfolio to match the partner's development and operation need.

Plan	Description
<input type="radio"/> Dedicated Cluster	Dedicated Performance Kubernetes Cluster
<input checked="" type="radio"/> General Workspace	Shared Performance Kubernetes Workspace

Deployment Configuration

17.33 WISE-Point

Balance

-1 WISE-Point

Available Credit

0.30 WISE-Point

Prorated Fee ⓘ


9.00 WISE-Point





Monthly Fee ⓘ

Next



# Buy Portal > Summary – K8s Service

 WISE-PaaS/EnSaaS4.0 Buy Portal

✓ Apps & Dependencies

2 Summary

App Instances

App	Plan	PN	Unit Listing Price	Unit Member Price	Unit Prorated Price	Quantity
EnSaaS K8s Service	General Workspace	980GENGW100	9.00	9.00	0.30	1

17.33 WISE-Point  
Balance

-1 WISE-Point  
Available Credit

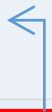
0.30 WISE-Point  
Prorated Fee ⓘ

9.00 WISE-Point  
Monthly Fee ⓘ


Previous

Confirm

Confirm to deploy the service



# Check the Pricing Detail – DataHub



**DataHub**

Service Provider: Advantech  
Service Category : IoT Cloud Services, Industrial Cloud Solutions

WISE-PaaS/DataHub is an IoT solution accelerator. It offers data collection, device management functions, and data aggregation API that are suitable for IoT situation, such as Smart City, Smart Factory or Internet of Vehicle.

0<sup>up</sup>  
WISE-Point

Monthly Subscription / Redeem

Pricing Details

Service Details

Service Architecture & Successful Cases

Pricing Details

Release Note

WISE-PaaS/DataHub Cloud Service

Small

0<sup>up</sup>  
WISE-Point

Redeem

Standard

10.00<sup>up</sup>  
WISE-Point

Redeem

Professional

10.00<sup>up</sup>  
WISE-Point

Redeem

# Buy Portal > Apps & Dependencies - DataHub

WISE-PaaS/EnSaaS4.0 Buy Portal

ConsoleSAEN

1 Apps & Dependencies

2 Data Service & EnSaaS K8s Service

3 Summary

Pricing Plan

Please choose how yours service usage will be charged

Prepaid Monthly Subscription

Pay-As-You-Go

Subscribe to services on a monthly basis with an upfront, non-refundable payment on the 1st day of each month. More cost-effective than Pay-As-You-Go plan, but no cancellation or downgrading of the services allowed during the billing cycle.

Data Center

Data Center

Azure Singapore

Please Note: You can't change the datacenter at this time

App to be Deployed

You may customize your subscription below

DataHub

10.00 WISE-Point

WISE-PaaS/DataHub is an IoT solution accelerator. It offers data collection, device management functions, and data aggregation API that are suitable for IoT situation, such as Smart City, Smart Factory or Internet of Vehicle.

Plan	Description
<input type="radio"/> Small	below 10000 tags published per minute
<input checked="" type="radio"/> Standard	Up to 10,000 tag data can be published per minute
<input type="radio"/> Professional	Up to 100,000 tag data can be published per minute

0.20 Core CPU	768 MB Memory	1000 MB EphemeralStorage	17.33 WISE-Point Balance	-1 WISE-Point Available Credit	0.34 WISE-Point Prorated Fee ⓘ	10.00 WISE-Point Monthly Fee ⓘ	<div>Next</div>
---------------	---------------	--------------------------	--------------------------	--------------------------------	--------------------------------	--------------------------------	-----------------

Once you select the different level or application, the request resources will recount.

# Buy Portal > Data Service & EnSaaS K8s Service-DataHub

WISE-PaaS/EnSaaS4.0 Buy Portal

ConsoleSAEN

1 Apps & Dependencies

2 Data Service & EnSaaS K8s Service

3 Summary

EnSaaS K8s Service

Please select the workspace where your apps will be deployed Create new if needed.

DataCenterSA

\* K8s Service PlansGeneral-Workspace

\* Workspaces

\* NamespacesPlease Select

Data Essential Services

\* PostgreSQL

An object-relational database management system that establishes relations between data tables within an object-oriented framework in order to achieve data independence and consistency. WISE-PaaS uses this database service to store the metadata of edge devices.

Plan	Description
<input checked="" type="radio"/> Dedicated-Single-Mini-V2	Dedicated PostgreSQL w/o Replica
<input type="radio"/> Dedicated-Single-Mini	Dedicated PostgreSQL w/o Replica
<input type="radio"/> Dedicated-Single-Small	Dedicated PostgreSQL w/o Replica
<input type="radio"/> Dedicated-Single-Medium	Dedicated PostgreSQL w/o Replica
<input type="radio"/> Dedicated-Single-Large	Dedicated PostgreSQL w/o Replica

< 1 2 >

Deployment Configuration

Service Instances

Now you don't have service instance Please go to DB buy [Purchase](#)

0.20 CoreCPU

768 MBMemory

1000 MBEphemeralStorage

17.33 WISE-PointBalance

-1 WISE-PointAvailable Credit

0.34 WISE-PointProrated Fee ?

10.00 WISE-PointMonthly Fee ?

Previous

Next

# Buy Portal > Summary

WISE-PaaS/EnSaaS4.0 Buy Portal

ConsoleSAEN

Apps & Dependencies

Data Service & EnSaaS K8s Service

3 Summary

EnSaaS Kubernetes Service Instance

ChargeType	Datacenter	Plan	Cluster	Workspace	Namespace
Monthly	SA	Dedicated Cluster	eks008	datahub	datahub

App Instances

App	Plan	PN	Unit Listing Price	Unit Member Price	Unit Prorated Price	Quantity
DataHub	Medium	9806WAC010	0	0	0.00	1

EnSaaS Data Service Instance

Service Name	Service Plan	Service Instance
PostgreSQL	Dedicated Single Small	PostgreSQL Dedicated arfa
RabbitMQ	standard	rabbitmq datahua qa
Redis	Containerized	redis
MongoDB	Dedicated Single Small	MongoDB Dedicated arfa

0.20 Core CPU

768 MB Memory

1000 MB EphemeralStorage

17.33 WISE-Point Balance

-1 WISE-Point Available Credit

0.34 WISE-Point Prorated Fee ⓘ

10.00 WISE-Point Monthly Fee ⓘ

Previous

Confirm

Confirm to deploy the applicaiton ←

# Resource Counting I

- Each services and applications(include user's own Apps) has different Core, RAM, and Storage requirement, user need subscribe corresponding resources.
- “EnSaaS K8s Service” offer 0.5 core and 2G RAM per unit.
- For separate subscription, at begin, user need subscribe “EnSaaS K8s Service” to get basic space and resources, also need subscribe enough “EnSaaS K8s Service” for request applications.
- User also can refer to service package, which include all necessary resources, services and applications; such as IoTSuite, I.Apps(iFactory, iBuilding), and so on.

# Resource Counting II

- Following is an example for separate subscribe common services(shared) and applications with WISE-Points.

Catalog	Service	PN	Core	RAM	Storage	Qty	Point
Services	RabbitMQ standard	980GEMRA000	-	-	-	1	1
	EnSaaS 4.0 Database PostgreSQL Service	980GEDPA000	-	-	-	1	2
	EnSaaS 4.0 Database MongoDB Service	980GEDMA000	-	-	-	1	3
Apps	WISE-PaaS/DataHub	9806WAC010	0.2	768	1000MB	1	0
	WISE-PaaS/SaaS Composer	9806WPSC01	0.3	768	1200MB	1	0
	Dashboard Cloud Service	9806WPDASH	0.2	512	128MB	1	0
Resource sun up			0.7	2048	2328		6
EnSaaS 4.0	EnSaaS 4.0 Kubernetes Service General Workspace Plan (0.5 core / 2G)	980GENGW100				2*	18
Total	WISE-Point Count						24

\* Counting: K8s Service offer 0.5 core and 2G RAM per unit, above example totally need 0.7 core 2048 RAM, so at latest need 2 unit of K8s Service to offer 1 core and 4G RAM.

# Available Days and Tips for CPU and Memory

WISE-PaaS/EnSaaS4.0 Buy Portal

✓ Apps & Dependencies

2 Data Service & EnSaaS K8s Service

EnSaaS K8s Service

Please select the workspace where your apps will be deployed Create new if needed.

DataCenter

SA

K8s Service Plans

General-Workspace

Workspaces

eco 22b4a762-6160-47...

Namespaces

Please Select

Data Essential Services

PostgreSQL

An object-relational database management system that establishes relations between data tables within an object-oriented framework in order to achieve data independence and consistency. WISE-PaaS uses this database service to store the metadata of edge devices.

Plan	Description
<input checked="" type="radio"/> Dedicated-Single-Mini-V2	Dedicated PostgreSQL w/o Replication

0.50 Core CPU	1280 MB Memory	1000 MB EphemeralStorage	35.55 WISE-Point Balance	-1 WISE-Point Available Credit	4.67 WISE-Point Prorated Fee	10.00 WISE-Point Monthly Fee
---------------	----------------	--------------------------	--------------------------	--------------------------------	------------------------------	------------------------------

Previous

Next

Tips

You don't have enough CPU or memory spaces. Please go to MP buy [Purchase.](#)

Prorated fee from today to the end of this month (30 days). Will be deducted from your balance once the subscription is confirmed.



# WISE-PaaS Membership

<https://wise-paas.advantech.com/en-us/marketplace/membership>

Membership Plan	REGULAR	VIP	PREMIER VIP
	USD <b>1,800</b> for-2-years	USD <b>34,000</b> for-2-years	USD <b>64,000</b> for-2-years
WISE Points	100	2000	4000
App Discount	✓	✓	✓
Cloud Services Authorized Reseller	✗	✗	✓
Technical Support	Online self-learning and Certification	<ul style="list-style-type: none"><li>Online self-learning and Certification</li><li>20-hour discussion on cloud architecture (value: 250 points)</li></ul>	<ul style="list-style-type: none"><li>Online self-learning and Certification</li><li>8-hour exclusive training course (value:100 Points)</li><li>40-hour discussion on cloud</li></ul>
Business Consultation		8 hours (value: 100 points)	24 hours (value: 300 points)
Marketing Service		1 unit (value: 50 points)	3 units (value: 150 points)
	More Discount	More Discount	More Discount

**Note:** Please note that non-members of WISE-Marketplace can only purchase by cash. Welcome to join our membership!

# Co-Creating the Future of the IoT World

