

Subscription & Content Manager

User Manual

Azure Marketplace

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1. Visit <u>https://azuremarketplace.microsoft.com/en-us/</u> website and click on Sign in.



Featured apps



Figure 1: Sign into Azure Marketplace

2. Enter your Microsoft email address that you prefer to use when acquiring apps on

Azure Marketplace and click on Sign in.

	×
Sign in to Microsoft Azure Marketplace	
Enter the email address of the account you want to use when acquiring apps on Azure Marketplace.	
If possible, use your work or school account. If you log in with a Microsoft account, apps that require a work or school account will not be available.	
Work, school or Microsoft account	
someone@example.com	
Sign in	
Don't have an account? Sign up for a free account	
5.	

Figure 2: Entering Microsoft Email Address

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3. Enter your Microsoft account password and click Sign in.

Enter password	
Password Forgot my password	
Sign in with another account	Ξ /

Figure 3: Entering Microsoft Password

4. Perform Two-Factor-Authentication if required, and proceed with Sign-in.

Verify your identity	
Text +XX XXX	
Call +XX XXXXX	
More information Are your verification methods current? Check at	
https://aka.ms/mfasetup	
Cancel	

Figure 4:.Performing Two-Factor-Authentication

5. Upon successful sign-in, you will be redirected to the Azure Marketplace home page.

2 Search and Sign Up for the Get It Now Option of the Subscription

& Content Manager

1. Search for **Subscription & Content Manager** in the search bar and choose the following option.

Via Suggestions:

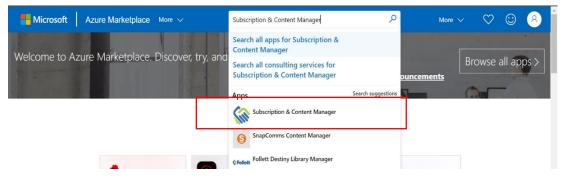


Figure 5: Searching for Subscription & Content Manager via Suggestions

Via Search Results:

Hicrosoft Azure	e Marketplace More 🗸	Search Marketplace	٩	More 🗸 🚫	0 (8
Browse apps	Trials	Operating System	Publisher	Pricing Model	
et Started	All \checkmark	All \checkmark	All \checkmark	All \checkmark	
alytics	Product Type				
+ Machine Learning	All 🗸			Reset filters	
ture Active Directory	All results				
ockchain mpute	<u>Sin</u>	0	\$ Follett		
ntainers					
tabases	Subscription & Content Manager	SnapComms Content Manager	Follett Destiny Library Manager	Adobe Experience Manager	
veloper Tools	By Global Wavenet Pte Ltd	By SnapComms	By Follett (United States)	By Microsoft Corporation	
vOps	Charging Content and Services - Containerised solution	Use Azure AD to enable user access to SnapComms Content	Follett Destiny Library Manager	Adobe Experience Manager (AEM), is a comprehensive	
entity		Manager. Requires an existing SnapComms Content Man		content management platform solution for building websit	
egration		anapsamina sailtent matta		source to conding website.	
ernet of Things			R		
C. O. Management Tarala			272		

Figure 6: Searching for Subscription & Content Manager via Search Results

- 2. You will be redirected to the **Subscription & Content Manager** product page, which will contain details of the product and options to acquire.
- Click on Get it now button to get the SCM (Subscription & Content Manager) product in Azure. Popup screen will be visible with product details and the privacy statement. Click on Continue to proceed.



3 Package Selection and Resource Group Creation

1. Select your package of choice from the from plan selection dropdown and click on

Create button.

Home > Market	place >	
Subscript Global Wavenet Pte	ion & Content Management (preview) 🔗 \cdots	×
	ubscription & Content Management (preview) C Add to Favorites	
	lans + Pricing Usage Information + Support Ratings + Reviews	^
Subscription &	Microsoft Standard Contract. Content Management	ł
Prime SMPP	- Leveraging	Ŧ

Figure 7: Package Selection and Resource Group Creation

4 Basic Settings

- 1. Select the Azure subscription which you wish to utilize for SCM.
- Choose the resource group. If the resource group is not in the drop-down menu, then click on Create new and create a new resource group.
 Resource Group A resource group is a collection of resources that share the same lifecycle, permissions, and policies.
- 3. Select the **Region**.
- 4. Enter a domain name you prefer. A URL will be auto-generated with this domain, that you can use to access the SCM application.
- 5. Now enter a name for the application.
- Based on the information you have entered, the Managed Resource Group name will be auto generated. This resource group holds all the resources that are required by the managed application.

≡ Microsoft Azure 🔑 S	earch resources, services, and docs (G+/)	E	Ģ	Q	ø	0	R	
Home > Managed applications center Service Catalog application definition > scmApplication >								
Create Subscription	& Content Management							×
Basics ② Charging Confi	guration ③ Other Service Details ④ Reference URLs ⑤ Review + create							
Project details								
Select the subscription to manage de manage all your resources.	ployed resources and costs. Use resource groups like folders to organize and							
Subscription * ①	WN PDT Onboard SCM 🗸							
Resource group * ①	wn-scm-rg V							
	Create new							
Instance details								
Region * ①	East US 🗸 🗸							
Cluster Domain Prefix *	johnsmith9 🗸							
Managed Application Details								
	plication, and its managed resource group. Your application's managed resource required by the managed application which the consumer has limited access to.							
Application Name *	scmproduct							
Managed Resource Group * ①	mrg-scmApplication-20230303195846							
< Previous Next								

Figure 8: Basic Settings

7. Then Click on the Next: Charging Configurations button.

5 Charging Configurations

1. Please choose at least one Online Charging System (OCS) to continue. (You can choose and configure multiple OCS based on availability).

≡ Microsoft Azure		$\mathbf{\Sigma}$	Ģ	Q	0	0	R	6
Home > Managed applicati	ons center Service Catalog application definition > scmApplication >							
Create Subscript	ion & Content Management							×
Sasics Ochargin	Gonfiguration Other Service Details Reference URLs S Review + create							
Please select at least on	e Online Charging System (OCS). Each OCS supports at most two Diameter Transports							
Online Charging System A								
Required								
Online Charging System B								
Required								
Online Charging System C Required								
< Previous Next								

Figure 9: Selection of Online Charging System

2. Once chosen, the following default values will be populated. Please replace them with the details relevant to your OCS.

Create Subscription	n & Content Management			>
Online Charging System A				
Required				
Destination Host * 🕕	DEFAULT_DESTINATION_A			
Pestination Realm * ①	DEFAULT_REALM_A			
Diameter Transport 1 ①				
P* ()	10.0.0.1			
lort * ①	3880			
Diameter Transport 2 ③				
Online Charging System B				
Demined				

Figure 10: Replacing Defaults Values

- Destination Host
- Destination Realm
- Choose a Diameter Transport option and enter the IP and Port of the relevant Diameter Transport link.

6 Configure Other Service Details (Consent Gateway)

- 1. If you have your own consent gateway, please enter the relevant Gateway IP, Gateway Port and Gateway URI.
- 2. If you do not have your own Consent Gateway, please proceed without marking the

Required check box.

≡ Microsoft Azure	∠ Search resources, services, and docs (G+/)	Σ	P			9
Home > Managed application	ns center Service Catalog application definition > scmApplication >					
Create Subscripti	on & Content Management					×
Sasics Schargin	Configuration Other Service Details A Reference URLs S Review + create					
Please tick if External Cor	sent Gateway is required					
Consent Gateway Required						
Consent Gateway IP * 🕧	10.0.0.1					
Consent Gateway Port * 💿	8080					
Consent Gateway URL *	default_url					
< Provinus Next						

Figure 11: Configuring Other Service Details

7 Reference URLs

- Copy and save the above auto generated URL in a accessible location. You will be accessing the SCM application via the above URL, which is therefore crucial to be copied and saved.
- 2. Copy and save the mentioned default username generated above, as this will be your login username to access SCM.
- 3. Please enter a strong password to ensure secure login. The first letter should be uppercase, must contain a special character and the minimum length should be 13 characters.

\equiv Microsoft Azure	,P Search resources, services, and docs (G+/)	Þ	P	Ω		9
Home > Managed application	ons center Service Catalog application definition > scmApplication >					
Create Subscript	ion & Content Management					×
Below is your login details to	Ig Configuration Other Service Details Reference URLs Common Authentication Module (CAM), Please copy and save it separately. This link utes once your application is successfully deployed. Leastus.cloudapp.azure.com					ĺ
Username : super_admin@glo	obałwavenet.com					
Password * ①						
Confirm password *						
I confirm that I have copied a	bove login					
< Previous Next						

Figure 12: Reference URLs

4. Once you have copied and saved the above login details (URL, username) please mark the I confirm that I have copied above login check box.

8 Review + Create

1. Review and validate all information you have provided.

≡ Microsoft Azure 🔑 Sea	rch resources, services, and docs (G+/)	Σ	Ŗ	Q	©:	0	R	-
Home > Managed applications cente	r Service Catalog application definition $>$ scmApplication $>$							
Create Subscription 8	& Content Management							>
Validation Passed								
📀 Basics 📀 Charging Configu	uration 🔮 Other Service Details 🤡 Reference URLs 🧕 Review + create							
Basics								
Subscription	WN PDT Onboard SCM							
Resource group	wn-scm-rg							
Region	East US							
Cluster Domain Prefix	johnsmith9							
Application Name	scmproduct							
Managed Resource Group Name	mrg-scmApplication-20230303195846							
Charging Configuration								
Destination Host	DEFAULT_DESTINATION_A							
Destination Realm	DEFAULT_REALM_A							
IP	10.0.0.1							
Port	3880							
Other Service Details								
Consent Gateway IP	10.0.0.1							
Consent Gateway Port	8080							
Consent Gateway URL	default_url							
Reference URLs								
Password								
Create < Previous	Next Download a template for automation							

Figure 13: Reviewing and Validating Information

2. Click on the **Create** button, and your deployment should begin.

S Deployment	214116	Overview ☆ …	•		
Search	🤍 🗊 Delete 🚫 Can	cel 🟥 Redeploy 🛓 Downloa	d 🕐 Refresh		
Overview Inputs Outputs Template	Deployment na	VN PDT Onboard SCM	1116 Start time: A		•
	 Deployment de Resource 	etails Type	Status	Operation details	Microsoft Defender for Cloud Secure your apps and infrastructure Go to Microsoft Defender for Cloud >
	@ 	Microsoft.Solut	ions/applic Created	Operation details	Free Microsoft tutorials Start learning today >
					Work with an expert Azure experts are service provider partn who can help manage your assets on Az and be your first line of support. Find an Azure expert >

Figure 14: Deployment In-progress



Note: SCM will be deployed in 30 to 40 minutes.

≡ Microsoft Azure	${\cal P}$ Search resources, services, and docs (G+/)			© R 🚺 🦉
Home >	« 🗊 Delete 🛇 Cancel 🕧 Re	ieW & … deploy y Download ◯ Refresh		×
 Overview Inputs Outputs Template 	Your deploymen Subscription: WN PDT onb Resource group: Wn-starter Deployment details	oard SCM Correlation ID: bf	- ()	3 Cost Management Get notified to stay within your budget and
	Resource	Type Status Microsoft:Solutions/applic OK	Operation details Operation details	prevent includes des ymain your bodget and prevent incepted charges on your bill. Set up cost alerts > Microsoft Defender for Cloud
	Go to resource			Microsoft Defender for Cloud Secure your apps and infrastructure Go to Microsoft Defender for Cloud > Free Microsoft tutorials Start learning today > Work with an expert Azure experts are service provider partners

Figure 15: Deployment Completed

9 Common Authentication Module (CAM) Configurations

- 1. Use copied URL and open it in a Browser.
- 2. You will be navigated to CAM log-in page.

am 🔒 cam	
Login to CAM admin	
Username *	
Password *	
Forgot Password?	
sign in	

Figure 16: CAM Authentication Screen

3. Log in to CAM by providing the correct credentials. (Default username and the password you previously created.)

<mark>ം</mark> cam
Login to CAM admin

Figure 17: CAM authentication with Credentials



You will now be able to access the available modules for you on CAM. This is where you can access the SCM application.

💦 cam							SA
命 Home		CAM Admin					
Manage	~						
My Profile	~	1.0		1.0		1.0	
பன் Configurations							
		SCM Admin	Compose		Prime Admin		
		→ Sign in	→] Sign in		→ Sign in		
		Server Ip	IP	Descri	ption	01	ther

Figure 18: Accessing the SCM Application

10 Sayura (Compose) Configurations

10.1 Obtaining Service-related endpoints via Sayura (Compose)

- When creating and managing subscription and content services on SCM, you are required to configure endpoints for different service logic flows such as Subscription, Unsubscription, Suspend and etc.
- In order to obtain these pre-configured endpoints, you are required to access Sayura (Compose).
- 1. Enter Sayura (Compose) via CAM, and view Agents.

þ	Agents	Manage Agents [®]	CREATE AGENT
88	Active Agent wavenetesb	wavenetesb (Active Agent)	ß
8		Esb Flow Agent	📑 🍨 🚎 🔤
6	📥 Flows 🗸	Sunshine • Dialog Flow •	
uhu	💲 Triggers 🗸 🗸		
	😋 Callbacks	Available Agents	Search Q
	n Training		
۵	🕀 Intents Management		
?	器 Microservices		
ŝ	Google Base Accounts	wavenetsdp wavenetesb Legary How Agent Esb How Agent	
8	Powered by 🗟 wavenet		

Figure 19: Accessing Sayura via CAM and viewing Agents

- 2. You will find two agents that are already created as follows.
- Wavenetsdp: This agent handles the legacy flows relevant to SCM. Such as subscriptions, Unsubscriptions via SMS, USSD and IVR.
- Wavenetesb: This agent handles all the generic flows relevant to SCM that are not related to legacy flows.

3. Visit the **Endpoints** section underneath **Triggers** to find the relevant endpoints for each flow.

5	Agents	Endpoints [®]	CREATE ENDPOINT
88	Active Agent wavenetesb	Search Endpoints	٩
8	𝚱 Connections	Endpoint Name Executed Service Endpoint URL Action	
67	📥 Flows 👻	CrmProvisioning v1 NCELL CrmP http://scmapplication20230303t115052207z.eastus.cloud GET	1
	💲 Triggers 🗸 🗸	SDP QuerySubscrib SDP QueryS http://scmapplication20230303t115052207z.eastus.cloud GET	1
	 Assign Intents Flow Trials 	BPM ContentSubsc BPM Conten http://scmapplication20230303t115052207z.eastus.cloud POST	:
۵	- Short Codes	BPM ContentUnsu BPM Conten http://scmapplication20230303t115052207z.eastus.cloud POST	I
?	 Endpoints Webchat Widgets 	SDP View Subs Hist 🌐 SDP View Su 📋 http://scmapplication20230303t15052207z.eastus.cloud GET	:
ŵ	the care to		

Figure 20: Accessing Endpoints

Please use the following keywords to search up endpoints:

Endpoint	Request Type	Keyword
Subscription	POST	BPM ServiceSubscription
Unsubscription	POST	BPM ServiceUnSubscription v102
Consent Notification Endpoint	GET	ConsentSmNotifyV104
Subscription Grace Period	POST	BPM ServiceGraceSub v100
Request		
Subscription Suspend Request	POST	3rd_party_suspend
Subscription Resume Request	POST	3rd_party_resume
Direct Debit Request	POST	SDP Direct Debitv100
New Network Activation	POST	CrmProvisioning v105
Network Deactivation	GET	CrmProvisioning v105



10.2 Onboarding your Device Management System and CRM

1. Click on the **Onboarding** and enter the **variables** section.

þ	Onboarding	Variables ^⑦		CREATE VARIABLE
68	👾 API Clients	Search Variables		Q =
ප		Variable Name	Category	
6	(x) Variables	dmsPort	GLOBAL	
	🗐 Scripts	dmslp	GLOBAL	
	子 Flow Templates	querySubInfoPortExternal	GLOBAL	
		querySubInfolpExternal	GLOBAL	
۵		querySubinfoPortinternal	GLOBAL	
?		querySubinfolpinternal	GLOBAL	
ŝ		serviceParkSubsPort	GLOBAL	
8	Powered by 🚔wavenet	serviceParkSubshort	GLOBAL	

Figure 21: Accessing Onboarding

2. Find and note the following variables:

"dmsPort", "dmsIp", "querySubInfoPortExternal" and "querySubInfoIpExternal"

þ	Onboarding	Variables ^⑦		CREATE VARIABLE
60	🕴 API Clients	Search Variables		Q =
8	 Connections (x) Variables 	Variable Name	Category	
67	E Scripts	dmsPort	GLOBAL	:
	- ·	dmslp	GLOBAL	:
		querySubInfoPortExternal	GLOBAL	:
		querySubinfolpExternal	GLOBAL	:
۵		querySubInfoPortInternal	GLOBAL	1
?		querySubInfolpInternal	GLOBAL	:
ŝ		serviceParkSubsPort	GLOBAL	:
8	Powered by 🗟wavenet	sen/iceParkSubsin	GLORAL	

Figure 22: Accessing Onboarding

Enter the PORT and IP of your DMS (Device Management System) under the variables
 'dmsPort' and 'dmsIp' respectively, to configure your DMS connection with SCM.

Ş	Onboarding	Variables ^Ø		CREATE VARIABLE
~			Update a variable ×	
88			Variable Name	Q =
8			dmsPort	
		Variable Name	Initial Value	
6		dmsPort	5009 dL	:
<u>ılıtı</u>		dmslp	CANCEL UPDATE	:
		querySubInfoPortExterna		1
		querySubInfolpExternal	GLOBAL	1
4		querySubInfoPortInternal	GLOBAL	1
?		querySubInfolpInternal	GLOBAL	
\$ (serviceParkSubsPort	GLOBAL	1
8	Powered by 🚔wavenet	a se da a Davida da sia	0.004	

Figure 23: Entering the PORT and IP of the DMS

 Enter the PORT and IP of your CRM under the variables 'querySubInfoPortExternal' and 'querySubInfolpExternal' respectively, to configure your CRM connection with SCM.

Ş	Onboarding	Variables ^⑦		CREATE VARIABLE
, w			Update a variable ×	
88		Search Variables	Variable Name	Q =
8			querySubInfoPortExternal	
		Variable Name	Initial Value	
0		dmsPort	5005 L	:
htt				
		dmslp	CANCEL UPDATE	:
		querySubInfoPortExterna	th	:
		querySubInfolpExternal	GLOBAL	:
Å		querySubInfoPortInternal	GLOBAL	:
?				
		querySubInfolpInternal	GLOBAL	
ŝ		serviceParkSubsPort	GLOBAL	:
۲				

Figure 24: Entering the PORT and IP of the CRM

Login to SCM and start your journey!