

云账单管理功能使用指南



Step 1: 前往云账单管理页

1、点击菜单栏"Cloud Billing",首次使用可查看提示"How to collect cloud

billing data"进行操作。

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🗑 Events 🛛 🔸	Filter d III										
(©) Incidents	Cloud Provider	Product consumption trend			Summary of Product Dimensions			Product discount	t trend		
🖧 infrastructure 🕠	> descent lines										
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88 RUM ⊦	> Zone										Column
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Synthetic Tests											
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- 2、根据提示云账单分析包括三个步骤:
- Install Func:安装 Func,有两种方式,一种是直接在"Integrations"-

"Extension" , 直接开通 DataFlux Func, 另外一种是进行手动部署 Func, 这 两种方式都会在下面进行介绍。

- Install the Script:安装集成脚本
- View In Dashboard: 效果展示

G CY-1112	Integrations DataKit Extension DCA Mobile	
Q, Go to)# + K		
🛄 Scenes 🕠	Cloud Billing Cost Query	
🖶 Events 🕠	Load billing cast quiry allows you to check billing information from public clouds such as Aris, house in Load, and Lead, and Lead, and Lead,	wei Cloud (25) IIS (1)
() Incidents ·	Configuration Application	PROMETHEUS (7)
\otimes Infrastructure \rightarrow	Install Funce	ZIPKIN (1)
ត្រា Metrics 🔹 🔸	Install Func	
বি Logs ৮	It is recommended to activate the Observability Cloud Integration - Extension - Hosted Func: All prerequisites will be automatically installed, then continue with the script installation.	ise Comm
TT APM	If you choose to deploy Func manually, refer to Manual Deployment of Func	
88 RUM >	Install the Script	
Gloud Billing →	- Go to the relevant script marketplace, choose Official Script Marketplace, click Enter, and enter Billing in the top-right search bar.	
③ Synthetic Tests →	- Select the corresponding cloud billing, such as AWS, choose Observability Cloud Integration (AWS-Billing Collection-Instance Dimension), and click the Install button.	
Security Check -	. Ell in the suther information in the procurs window and click Derive and Start Script	Oracle
CI Visibility		
Monitoring	 Cites Go to Auto-Engger Comiguration, lind the corresponding function, and cites execute. 	and
Integrations	The script has a limit of running once per day, which means it will fetch the billing information once a day.	aru
Aanagement →	View in Dashboard	
🗭 Billing	Go to the Observability Cloud Console, select Scene. Create New Dashboard, search for Billing Analysis Monitoring View, click Billing Analysis Monitoring View, and then click Confirm.	itor
	Adjust the time to 3rd to view the billion information	
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Step 2: 安装 DataFlux Func

方法一:开通观测云内置的 DataFlux Func

1、在观测云控制台"Integrations" - "Extension",在 "DataFlux Func

(Automata)"选择"View"。



2、点击"Open"。

注意: 此处默认为灰色不可点, 若您需要开通, 可以"联系我们"

400-882-3320

sales@guance.com

加入白名单。



3、输入"Domain", "Select Specifications", 点击"Open"。



4、开通成功后,可在"Extension"-"DataFlux Func (Automata)",点击"Enter

Console",即可登录到 Func 控制台。



方法二: 手动部署 DataFlux Func

1、登录到用于部署 DataFlux Func 的主机,执行以下命令下载 "DataFlux Func GSE"。

注意: 部署 DataFlux Func 至少需要 2 核 4G 的主机,并需要开通 8088 端口。

Bash

/bin/bash -c "\$(curl -fsSL func.guance.com/download)" -- --for=GSE

Last login: Tue Nov 12 09: <u>52:22 824 from</u> ubuntuis:0-12-3-3-13:-5[k]. Downloading file https://static.gunnes.com/dasTu -2224-11:20 %2:200- https://static.gunnes.com RescVing static.gunne.com (static.gunnes.com HTT Proquest ent., sasiing response200 OK Length: 7219284 (67M) [application/octet-stram] Saving to: foker-24.0.6, figs	L. func.guance.com/dowilasd)*Tor=05E c-func/fortable-common/X86_64/docker-24.0.9.tgz fatflux-func/func/fatble-common/X86_64/docker-24.0.9.tgz 18.5297.98.38[16.327.98.39] 18.287.98.40[]	
docker-24.0.9.tgz	100%[in 4.5s
2024-11-12 09:52:09 (14.9 MB/s) - 'docker-24.0.9.tg	gz' saved [70199284/70199284]	
Domiloading file https://static.guance.com/dataflu 2021-11-12 09:52:09- https://static.guance.com Resolving static.guance.com (static.guance.com). Connecting to static.guance.com (static.guance.com HTTP request sent, smalling response200 CK Length: 121206574 (1200) [application/gzip] Saving to: "mysql.tar.gz"	(-func/portable-common/x86_64/mysql.tar.gz fdataflux-func/portable-common/x86_64/mysql.tar.gz 116.207.98.38[1443 connected.)]116.207.98.38[1443 connected.	
mysql.tar.gz	100%[===================================	in 16s

2、下载完成后,可以看到目录"dataflux-func-portable-x86_64-5.1.7-GSE",进

入此目录,执行以下安装命令,即可完成安装 DataFlux Func GSE。

Bash

sudo /bin/bash run-portable.sh

ubuntu@ip-172-31-3-118:-\$ ls dataflux-func-portable-x86_64-5.1.7-GSE ubuntu@ip-172-31-3-118:-\$(ad dataflux-func-portable-x86_64-5.1.7-GSE) ubuntu@ip-172-31-3-118:-/dataflux-func-portable-x86_64-5.1.7-GSE\$ ls dataflux-func.tar.gz docker-24.0.9.tgz docker-stack.example.yaml docker.service image-list mvsql.tar.gz redis.tar.gz run-portable.sh version ubuntu@ip-172-31-3-118:-/dataflux-func-portable-x86_64-5.1.7-GSE\$[sudd /bin/bash run-portable.sh]

安装完成后,在最后会提示 DataFluc Func 登录方式 "http://<IP or

Domain>:8088" .

Port: 8088 Installed dir: /usr/local/dataflux-func To shut down: sudo docker stack remove dataflux-func To start: sudo docker stack deploy dataflux-func -c /usr/local/dataflux-func/docker-stack.yaml To uninstall: sudo docker stack remove dataflux-func sudo zm -rf /usr/local/dataflux-func sudo zm -rf /usr/local/dataflux-func sudo zm -rf /usr/local/dataflux-func Now open http://clportate.d/dataflux-func Now open http://clportate.d/dataflux-func Now open http://clportate.d/dataflux-func ubuntuigi-f12-31-3-118:r/dataflux-funcsudo zm -f /usr/local/dataflux-func

3、稍等片刻,根据上一步提示的方式,在浏览器输入 "http://服务器 IP 地

址:8088", 点击 "Save and init DB" 初始化数据库。

注意:选择 "Show more configs",可以手动配置日志等级、MySQL、Redis和

管理员账号等信息,若非必要,默认即可。

Vers	10N: 5.1.7 (GSE)	
	Language: Engli	sh \lor
Some basic setup should be done before DataFlu	K Func starts up.	
If you are deploying manually, please ensure t	nat the following cond	itions are met:
 mysuL 5.7 or above Empty database exists in MySQL and the di There is a user in MySQL who can log in database (including CREATE permission) Keep the option [innodb_large_prefix] ON (Official MySQL 5.7 doc) Redis 5.0 or above, at least 1 GB availal 	tabase encoding is use emotely and has permined in MySQL 5.7 and MySQL 5.7	tf8mb4 ssion to the empt ning in Cluster
Mode		
Mode Administrator username		ADMIN_USERNAME
Mode Administrator username admin		ADMIN_USERNAME
Mode Administrator username admin Administrator password (default is admin)		ADMIN_USERNAME
Mode Administrator username admin Administrator password (default is admin)		ADMIN_USERNAME ADMIN_PASSWORD
Mode Administrator username admin Administrator password (default is admin) Repeat administrator password	ADMI	ADMIN_USERNAME ADMIN_PASSWORD 0 N_PASSWORD_REPEAT
Mode Administrator username admin Administrator password (default is admin) Repeat administrator password	ADMI	ADMIN_USERNAME ADMIN_PASSWORD © N_PASSWORD_REPEAT
Mode Administrator username admin Administrator password (default is admin) Repeat administrator password Guance Node	ADMI	ADMIN_USERNAME ADMIN_PASSWORD M_PASSWORD_REPEAT
Mode Administrator username admin Administrator password (default is admin) Repeat administrator password Guance Node Do not create Guance connector	ADMI	ADMIN_USERNAME ADMIN_PASSWORD N_PASSWORD_REPEAT GUANCE_NODE
Mode Administrator username admin Administrator password (default is admin) Repeat administrator password Guance Node Do not create Guance connector Cannot find the Guance Node you need?	ADMI	ADMIN_USERNAME

4、稍等片刻,初始化完成后即自动跳转到登录界面,在"Username"和

"Password" 输入 "admin" , 按照页面提示输入 "Captcha" , 点击 "Sign In" 。

若初始化时未修改密码,初始用户名和密码都是 admin 。

$\mathbf{G}^{T}DataFlux f(\mathbf{x}^{5})$	
A Username	
A Password	
© Captcha	
Sign In	
English	
Version: 5.1.7 (GSE)	

5、登录后,进入 DataFlux Func。

GDataFlux f(x5)	evelopment 📲 Blueprint 📜 Script Market 📰 Management 🖉 Documents	🕚 🗸 🖪 EN 🗸 🏦 Administrator 🗸
Script Lib Connector EN	Welcome	
Jump to		
C Refresh		
+ New Script Set	Left Sidebar	
▶ ■ 示例	In the left sidebar you can find the core module entrance of the Editor:	
49 Some Script Sets have been his	Script Lib → Edit and manage Script Sets and Scripts	
	Connector → Manage the various external systems available within the Script	
	ENV \rightarrow Manage the environment variables available within the Script	
	Every tab supports quick jumping. Enter ID or name and select it to jump to the item.	
	Information about the item and the actions that can be performed will be displayed after	
	hovering over it.	
	The gray divider between the left sidebar and the editing area can be dragged to adjust the	
	left sidebar width.	
	Built-in Features	
	Some built-in objects are pre-injected into the context of the Script and can be accessed	
	directly without importing.	
	1 # Export function as an HTTP API	
	2 @DFF.API('API Name')	
	4 # Ouerv data from connector	
	5 db = DFF.CONN('db')	

6、点击左侧"Connector",点击"+ Add Connector",在弹出的对话框中的

"Type",选择"Guance"。

©DataFlux f(x⁵)	> Developme	ent 📲 Blueprint 🖷 S	cript Market 📲 Management 🥃 Documents	🕕 🗸 👘 Kalministrator 🗸
Script Lib Connector	ENV	Welcome		
Junp to		Add Connector		×
+ Add Connector		Type S ENV → Manage Every tab supports quick j Information about the item hovering over it. The gray divider between 1 left sidebor width.	Select ^ Guance DataKit (HTTP) Guance DataWay (HTTP) DataFlux Func Sidecar (HTTP) InfluxDB (HTTP) (And other compatible Databases) MySQL (And other compatible Databases) Redis Memcached	

7、输入相关信息,点击"Save"。

- ID:用于在脚本中调用,后面会用到,如 "aws_billing";
- Title:标题可选,如 "AWS";
- Description: 描述可选;
- Guance Node:观测云节点,需要上报数据的工作空间所属的站点,如 "US1(Oregon)"
- API Key ID / API Key:需要上报数据的工作空间的 API 信息,见下面的截图说

明。

G DataFlux f(x*)	> Development	📲 Blueprint 🛛 🗮	Script Market III Management Documents		0 ~ EN ~	administrator
Script Lib Connector	ENV Weld	ome				
Jump to						
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	Ev		GUANCE.COM			
	Inf					
	ho		7 Button SDK used in the Connector			
	Th		C Python SDA used in the Connector			
	lef	* ID	aws_billing			
		Title	AWS			
	So		This Title will also be displayed in Guance			
	dir	Description	Optional			
		* Guance Node	US1(Oregon)			
			Cannot find the Guance Node you need?			
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	51) + rec = {				
	17	'msg': 'Hell	lo, world'			

API Key ID / API Key,可以在需要上报的工作空间"Management"- "API

Key",点击"Create"进行创建。

.

GCY-1112	Management					
Q Go to ೫ + K ⊡ Scenes → È Events →	System Workspace Settings	Q. Search total 1				• Create
[o] Incidents →	User Settings	Name	Key ID	Key	Start Time	Options
oo Infrastructure →	Attribute Claims	AWS Billing	vIVkwDbLtpOaiQjyxoUY813r	***********iYl7	2024/11/13 15:02:11	SCY:
inii Metrics →	Fields					•
Ea Logs →	Global Labels					
= APM →						
	Access					
	Member Management					
Synthetic Tests →	Roles					
Security Check	API Key					
	Client Token					
Integrations	Client loken					
Management	Invitation Records					
	Data Processing					
E Billing	pata rivessilly					

8、创建完连接器后,可在连接器列表查看。

[™] DataFlux f(× ⁵) > Devel	opment 📲 Blueprint 🖷 Script Market	III Management 🖉 Documents	0 ~	EN 🤟 🤮 Administrator
Script Lib Conn	ector ENV	Welcome			
Jump to					
Refresh Add Connector DataKit DataKit		Left Sidebar			
Guance AWS		Guance	module entrance of the Editor:		
		ID aws_billing 🗞 Usage 🔥 DFF.CONN('aws_billing')	pt Sets and Scripts xternal systems available within the S ent variables available within the Scrip	cript ot	
		Example guance = DFF.CONW('aws_billing') res = guance.do_get('/api/v1/workspace/get')	ID or name and select it to jump to the ns that can be performed will be disp	ie item. layed after	
		Setup A Pin X Delete Go to Recent Task Record	r and the editing area can be dragged	I to adjust the	

Step 3: 安装 AWS 云账单集成脚本

采集 AWS 云账单数据首先需要获取已经授权 AWS 账号的 AK 和 AKS 信息, 然后在 DataFlux Func 的脚本库对 AWS 账单集成进行配置发布,发布后,AWS 的账单数据就可以上报到观测云控制台进行查看分析。

获取 AK、AKS 信息

1、登录到 AWS IAM 控制台,在 "IAM Dashboard",点击 "Users"。

aws Services Q Search			[Option+S]			D 4 0	🚱 Global	▼ Guar	nce 🔻
Identity and Access $ imes$ Management (IAM)	IAM > Dashboard	rd Info					ſ	C	() (S
Q Search IAM	Security recomme	endations 1			C	AWS Account	L		
Cashboard Cashboard Cashboard Users Users Roles Policies Identity providers Account settings	 Root user has MFA Having multi-factor at Deactivate or delet Deactivate or delet attached to an IAM us IAM resources 	uthentication (MFA) for t e access keys for roo e access keys for the ro er to improve security.	the root user improve t user ot user. Instead, use a	s security for this	saccount. Manage access keys	Account ID 973059697621 Account Alias Create Sign-in URL for IAM users Im https://9730596976. .com/console	; in this account 21.signin.aws.ama	zon	
♥ Access reports Access Analyzer External access Unused access Analyzer settings Credential report	Resources in this AWS Accor User groups U 0 2	int sers	Roles 3	Policies 1	Identity providers O	Quick Links My security credentials Manage your access keys, authentication (MFA) and	multi-factor other credentials.		
Organization activity Service control policies	What's new 🗹 Updates for features in IAM				View all	Tools 🖸			

2、在"Users"页面,点击右上角"Create user"。

<u>M</u> >	Users						
User	rs (2) Info	term cradentials that is used to inc	toract with AWS in an account		C	Delete	Create user
Q s	Search	term credentials that is used to in	teract with Aw5 in an account				< 1 > 🕸
	User name	▲ Path	▼ Group! ▼	Last activity		Password ag	je ⊽ Console l
	Billing	/	0		-	-	-
	Guance	1	0	28 days ago	-	-	-

3、输入"User name",点击"Next"。

Step 1 Specify user details	Specify user details
Step 2 Set permissions	User details
Step 3 Review and create	User name User name The user name can have up to 64 characters: Valid characters: A-Z, a-Z, 0-9, and + = , . @ (hyphen) Provide user access to the AWS Management Console - optional If you're providing console access to a person, It's a best practice C to manage their access in IAM Identity Center.
	③ If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more [2]

4、选择"Attach policies directly",点击"Create policy"。

IAM > Users > Create user Step 1 Specify user details	Set permissions Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. Learn more [2]
Step 2 Set permissions	Permissions options
Step 3 Review and create	Add user to group Add user to a redisting group, or create a new group. We recommend using groups to manage user permissions by job function.
	Permissions policies (1254) Create policy Create policy Create policy Create policy Create policy Create policy Create policy Create policy Create policy
	□ Policy name [2] ▲ Type ▼ Attached entities ▼
	Image: Construction of the second

5、选择服务"Cost Explorer Service"。

IAM > Policies > Create policy		
Step 1 Specify permissions	Specify permissions Info Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON e	ditor.
Step 2 Review and create	Policy editor Visual	JSON Actions 🔻 🔳
	 Select a service Specify what actions can be performed on specific resources in a service. 	
	Service	
	Choose a service	
	Q cost explorer service ×	
	Other services	
	Cost Explorer Service	Cancel Next

6、在"Cost Explorer Service"选择操作,建议选择"All Cost Explorer Service

actions (ce: *)" , 然后点击 "Next" 。

IAM > Policies > Create policy	
Step 1 Specify permissions	Specify permissions Info Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.
Step 2 Review and create	Policy editor Visual JSON Actions V
	▼ Cost Explorer Service
	Specify what actions can be performed on specific resources in <u>Cost Explorer Service</u> .
	Manual actions Add actions All Cost Explorer Service actions (ce:") Access level Expand all Collapse all List (Selected 4/4) Read (Selected 26/26) Write (Selected 21/21) Tagging (Selected 2/2)
	 Resources Specify resource ARNs for these actions. All Specific At all wildcard `` may be overly permissive for the selected actions. Allowing specific ARNs for these service resources can improve security.
	Request conditions - optional Actions on resources are allowed or denied only when these conditions are met.
	+ Add more permissions
	⑦ Security: 0 ⊗ Errors: 0 ▲ Warnings: 0 ♀ Suggestions: 1
	Cancel Next

7、配置好服务权限以后,输入"Policy name",点击"Create policy"。

IAM > Policies > Create policy				
Step 1	Review and create	0		
Specify permissions	Review the permissions, specify details,	and tags.		
Step 2				
Review and create	Policy details			
	Policy name Enter a meaningful name to identify this pr	olicy.		
	CostExplorerService			
	Maximum 128 characters. Use alphanumer	ic and '+=,.@' characters.		
	Description - optional Add a short explanation for this policy.			
	Maximum 1,000 characters. Use alphanume	eric and '+=,.@' characters.		
	Permissions defined in this permissions defined in this policy document Q. Search	policy Info t specify which actions are allowed or	denied. To define permissions for an IAM ide	Edit
	Allow (1 of 427 services)			Show remaining 426 services
	Service 🔺	Access level		Request condition
	Cost Explorer Service	Limited: Read	All resources	None
	Add tags - optional Info Tags are key-value pairs that you can add t	o AWS resources to help identify, orga	nize, or search for resources.	
	No tags associated with the resource.			
	You can add up to 50 more tags.			
				Cancel Previous Create policy

- 8、策略创建完成后,返回设置权限。
- 在"Attach policies directly"-"Permissions policies",输入关键字"cost",

搜索并**勾选**创建的策略名称,如 "CostExplorerService"。

IAM > Users > Create user			
Step 1 Specify user details	Set permissions Add user to an existing group or create a new one. Using gr	oups is a best-practice way to manage user!	s permissions by job functions. Learn more 🎦
Step 2 Set permissions	Permissions options		
Step 3 Review and create	Add user to group Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.	 Copy permissions Copy all group memberships, attached managed policies, and inline policies from an existing user. 	Attach policies directly Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.
	Choose one or more policies to attach to your new user.	Filter by Type	Create policy L2
	Q cost	X All types 💌	6 matches < 1 > (3)
	Policy name [7]	Туре	
	□	AWS managed	0
	CostExplorerService	Customer managed	1
	CostOptimizationHubAdminAccess	AWS managed	0
	CostOptimizationHubReadOnly	AWS managed	0

搜索关键字"billing",勾选另外一个策略"AWSBillingReadOnlyAccess",点击

"Next" 。

IAM > Users > Create user Step 1 Specify user details	Set permissions Add user to an existing group or create a new one. Using groups is a best-practice way to manage us	er's permissions by job functions. Learn more [
Step 2 Set permissions	Permissions options	
Step 3 Review and create	Add user to group Add user to a newsting group, or create a new group. We recommend using groups to manage depicities, and inline policies from an existing user.	• Attach policies directly Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.
	Permissions policies (2/1254) Choose one or more policies to attach to your new user. Filter by Type Q. billing X All types All types 	C Create policy [2] 4 matches < 1 > (2)
	Policy name [2]	
	AWSBillingConductorFullAccess AWS managed	0
	□ 🕑 🛍 AWSBillingConductorReadOnlyA AWS managed	0
	AWS managed	1
	O Billing AWS managed - Job function	0
	Set permissions boundary - optional	
		Cancel Previous Next

9、权限设置完成后,确认没有问题后,点击"Create user"。

IAM > Users > Create user Step 1 Specify user details	Review and create Review your choices. After you create the user, you can v	iew and download the autogenerated password	, if enabled.	
Set permissions	User details			
Step 3 Review and create	User name Bill	Console password type None	Require password reset No	
	Permissions summary			< 1 >
	Name [2	▲ Туре		~
	AWSBillingReadOnlyAccess	AWS managed	Permissions policy	
	CostExplorerService	Customer managed	Permissions policy	
	Tags - optional Tags are key-value pairs you can add to AWS resources to help No tags associated with the resource.	identify, organize, or search for resources. Choose any i	tags you want to associate with this user.	
	Add new tag You can add up to 50 more tags.			
			Cancel Previous	Create user

10、用户创建完成后,进入"Users"页面,选择"Security credentials"。

IAM > Users > Bill		
Billing Info		Delete
Summary		
ARN I arn:aws:iam::973059697621:user/Bill	Console access Disabled	Access key 1 Create access key
Created November 13, 2024, 15:57 (UTC+08:00)	Last console sign-in -	
Permissions Groups Tags Securit	y credentials Last Accessed	

11、在"Access keys",点击"Create access key"。

Access keys (0) Use access keys to send programmatic calls to AWS from the AWS CLI, AWS Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum inactive) at a time. Learn more 🖸	Create access key
No access keys. As a best practice, avoid using long-term credentials like access keys. Instead, use tools which provide short term credentials like access key	dentials. Learn more 🖪

12、选择"Local code",点击"Next"。

ey best practices & ives	Avoid using long-term credentials like access keys to improve your security. Consider the following use cases and alternatives.
<i>ptional</i> ription tag	Use case
access keys	Command Line Interface (CLI) You plan to use this access key to enable the AWS CLI to access your AWS account.
	Local code You plan to use this access key to enable application code in a local development environment to access your AWS account.
	Application running on an AWS compute service You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon EC5, or AWS Lambda to access your AWS account.
	Third-party service You plan to use this access key to enable access for a third-party application or service that monitors or manages your AWS resources.
	Application running outside AWS You plan to use this access key to authenticate workloads running in your data center or other infrastructure outside of AWS that needs to access your AWS resources.
	Other Your use case is not listed here.
	Alternative recommended Use an Integrated Development Environment (IDE) which supports the AWS Toolkit enabling authentication through IAM identity Center. Learn more
	Confirmation I understand the above recommendation and want to proceed to create an access key.

13、可选择设置描述标签,然后点击"Create access key"。

Access key best practices &	Set description tag - optional Info
lternatives	The description for this access key will be attached to this user as a tag and shown alongside the access key.
itep 2 - <i>optional</i>	
Set description tag	Description tag value
Chun 7	Describe the purpose of this access key and where it will be used. A good description will help you rotate this access key confidently later.
Retrieve access keys	
	Maximum 256 characters. Allowed characters are letters, numbers, spaces representable in UTF-8, and: : / = + - @
	maximum about that access, numbers, and the set of the

14、创建完成后,可点击"Download .csv file"下载密钥,用于稍后的 Func 配

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Step 1 Access key best practices & alternatives	Retrieve access keys Info
Step 2 - optional Set description tag	Access key If you lose or forget your secret access key, you cannot retrieve it. Instead, create a new access key and make the old key inactive.
Step 3	Access key Secret access key
Retrieve access keys	AKIV JEK Show
	 Never store your access key in plain text, in a code repository, or in code. Disable or delete access key when no longer needed. Enable least-privilege permissions. Rotate access keys regularly. For more details about managing access keys, see the best practices for managing AWS access keys.

安装 AWS 云账单集成脚本

1、在已安装的 DataFlux Func 控制台, 点击 "Script Market" - "Official Script

Market" - "Enter" ,进行观测云官方脚本市场。

G DataFlux f(x⁵)	> Development	- Blueprint	🏲 Script Market	BB Management	Documents		() ~ EN ~	🍰 Administrator 🗸
Script Market						Input search content	+ Add	Check Update
Туре	Script Market							
ĠDataFlux ƒ(×⁵)	Official Script M Includes 250 Script	larket t Sets			C [≉] Ho	mepage III Enter	Unpin L	ock Setup Delete

2、确认"观测云集成 Core 核心包"是否已经安装。

若已经安装旦脚本有更新,则提示「升级」,点击「升级」即升级到最新的脚本。

Ġ DataFlux ƒ(×⁵)	> Development	- Blueprint	📜 Script Market	Management	Documents		0 ~	EN 🗸 🏨 Administrator 🗸
Script Market	* Official Script Mark	et			🖸 Homepage	Found 250 Script Sets	Filter	
쑴 Local			4	B Remote		Publisher		Force Mode
观测云集成 Core 核心 ID guance_integration Includes 5 Scripts)包 10		ת זו >>>>	见測云集成 Core 核心包 O guance_integration N Includes 5 Scripts		系统管理员 (a 2024–11–1 a day ago	dmin) 2 13:55:05	Reinstall
观測云自建巡检 Core ID guance_monitor 氏 Includes 8 Scripts	核心包		R 11 >>>	见測云自建巡检 Core 核 O guance_monitor 氏 Includes 8 Scripts	心包	系统管理员 (a 2023-11-1 a year ago	dmin) 4 13:36:23	Reinstall

3、搜索关键字"AWS Billing",点击"Install",安装搜索到的"观测云集成

(AWS-账单采集-实例维度)"。

[©] DataFlux f(∗⁵)	> Development	■ Blueprint	🗮 Script Market	BB Management	Documents		🕕 🗸 🔲 🖉 🏦 Administrator 🗟
Script Market	* Official Script Mark	ket			C Homepage	Found 45 Script Sets	× AWS Billing
∦ Local				Remote		Publisher	Force Mode
Not Installed				观测云集成(AWS-账 D guance_aws_billing_t Includes 2 Scripts	单采集-实例维度) by_instance 【	邇阳 (py) 2024-11- 17 hours :	12 22:37:06 Install ago
Not Installed			<<< 1	观测云集成(AWS-S3 D guance_aws_s3 的 Includes 2 Scripts	3采集)	张世虎 (zsh) 2024–01- 10 month	-08 16:33:33 Install s ago
Not Installed				观测云集成(AWS-Au D guance_aws_auto_scal Includes 1 Script	uto Scaling采集) líng 酌	胡宁 (hn) 2023-08 a year ag	-14 15:49:43 Install

4、在弹出对话框,点击"Install"。

G DataFlux f(x*)	Oevelopment	📲 Blueprint 🛛 📜 S	Script Market	Management	Docume	ints			0 - EN	Administrator
Script Market	🛊 Official Script Market					C* Homepage	Found 4	5 Script Sets	× AWS Billing	
# Local		Install Scrip	ot Set				×	Publisher		Force Mode
Not Installed		Titl	le 观测云集成	t(AWS-账单采集-实例约	註度)			潘阳 (py) 2024-11-1:	2 22:37:06	Install
		,	D guance_aws	s_billing_by_instance						
Not installed		Publish Not	te 增加扩展字	段				张世虎 (zsh) 2024-01-0 10 months	08 16:33:33 ago	Install
Not installed			1	Includes 1 Script		Cancel	nstall	胡宁 (hn) 2023-08- s year ago	14 15:49:43	Install

5、在弹出的对话框,输入在 AWS 创建的 "AK/AKS",点击 "Deploy Startup Script"。

以下四个参数可置空:

- AWS ASSUME ROLE ARN: 要代入的 IAM 角色的 Amazon 资源名称 (ARN)。
- AWS ROLE SESSION NAME:为此次代入角色会话指定的名称,用于唯一标识 会话。
- MFA DEVICE NUMBER: MFA 设备的序列号,通常是虚拟 MFA 设备的 ARN。
- MFA TOTP: MFA 设备生成的一次性密码 (TOTP)。

\bigcirc DataFlux $f(x^5)$ \iff Defined to the set of the se	velopment 📲 Blueprint	📜 Script Market	Management	Documents		0 ~ EN	 Administrator
Script Market * Officia						< AWS Billing	
₩ Local	e	\checkmark	This Script	Script Set Installed Succe t Set includes an example which Startun Script with following cor	can be used for		Force Mode
观测云集成(AWS-账单采集-实 ID guance_aws_billing_by_instance Includes 2 Scripts			AWS AK	ID		2:37:06	Reinstall
Not Installed		2	AWS AK	SECRET 8ixj3		6:33:33 >	Install
Not Installed		17 1	AWS ASS	SUME ROLE ARN	tip tip tip	5:49:43	Install
Not Installed			MFA DEV	VICE NUMBER	€ tip	}:36:33	instail
Not Installed			MFA TOT	ŢP	0 tip	5:09:40	Install
Not Installed			+ Depi	loy Startup Script		n) 19:47:50	Install

6、安装成功后,点击"Go to Startup Script"。



7、在"Script Lib"可以查看到安装的 AWS 账单集成脚本。



8、按照下面的提示完成脚本配置,选择"run",点击执行按钮"Run",确认脚本 能正常运行后,点击"Publish"即完成Func的配置。

注意:为了保证数据的完整性,所采集的账单数据为采集日期前一天的数据。

1) ak_id / ak_secret: 在 AWS IAM 控制台获取的 AK 和 AKS;

2) 可置空(在通过 AWS API 查询账单时,如果有设置的话需要使用以下参数来代 入角色并进行多因素身份验证(MFA),如果不需要设置直接填写 AK 就可以);

- assume_role_arn: 要代入的 IAM 角色的 Amazon 资源名称 (ARN)。
- role_session_name:为此次代入角色会话指定的名称,用于唯一标识会话。
- serial_number: MFA 设备的序列号,通常是虚拟 MFA 设备的 ARN。
- token_code: MFA 设备生成的一次性密码 (TOTP)。

3) extra_tags: 采集账号的名字和 id;

4) regions:账号所在地域,可以填写多个。注意:国内的账号所在的地域和海外的 账号所在的地域不能同时在一个脚本中运行,需要分开配置两个脚本进行数据采集;

5) fixed_crontab: 定时任务, 此处配置的 [6], 说明在每天 6 点自动执行脚本任务;

注意: AWS Cost Explorer API 调用收费为每个分页收费 \$0.01。

6) guance_id:调用的连接器,如果不添加,即自动调用连接器列表第一个;

7) 输出: 点击 "Run" 返回的结果, 若报错说明需要修改脚本配置。



效果展示

查看器

在 "Cloud Billing" - "Explorers", 支持查看所有的账单明细, 支持通过灵活筛

选, 定位关键费用。

Explorers Overview					3d 202	4/11/10 17:13:13 ~ 20	24/11/13 17:13:13 🔋	€ 4 ▶ > 0
🖫 - 🔍 cloud_provider:av	wS						S (V) 5	🚡 😔 Analysis
Filter 2 Image: Cloud Provider Cloud Provider Tc aws huawelcloud aliyun	Product consumption trend	n2:0018:0011/1306:0012:00 _name: Savings Pl _name: EC2 - Oth	Summary of Pr 900 300 11/10 Expenditu Expenditu	roduct Dimensions	0 11/12 18:00 ame: Savings Pl ame: EC2 - Oth	Product discou	nt trend no data	
Account Name Product Name							total 132 results	Column
> Region	Billing cycle ♀ 2024-11-11	Cloud Provider aws	Account Name aws-china	Product Name Amazon Elast	Region -	Instance ID	Offical Amount	Amount 170.35032
> Zone	2024-11-11 2024-11-11	aws aws	aws-china aws-china	Amazon Cost _ Amazon Elast_	-	Nc i-	-	0.14 51.6576
> Billing cycle	2024-11-11 2024-11-11	aws aws	aws-china aws-china	Amazon Elast Amazon Secur	-	i- Nc	-	14.196 0.35535454
	2024-11-11 2024-11-11	aws aws	aws-china aws-china	Amazon Elast Amazon Elast	-	i- i-	-	51.6576 6.47944566
	2024-11-11 2024-11-11	aws aws	aws-china aws-china	Amazon Elast Amazon Simpl	-	i- Nc	-	170.35032 72.9477286

云账单分析

支持通过可视化的方式,全局了解云资源的当前使用状况及未来趋势。

● 在 "Cloud Billing" - "Overview" , 查看绑定账号的费用分析。



在场景仪表板,自定义适合的云账单视图。



监控告警

通过设置监控告警,实时追踪各项服务的异常消费,避免意外的费用超支。

• 在 "Intelligent Monitoring" - "Cloud Billing Smart Monitoring"开启云账

单智能监控。

nteingen	r monitoring / meingent monitoring of etc	
	Host Detection Data Range: Metric(M) Description: Automatically detects the host and finds abnormal CPU and memory conditions of the host. For example, soaring memory usage caused by memory leak	
10	Logs Detection Data Range: Log(L) Description: Automatically detect exceptions in the log, including the number of logs, the number of error logs	
	APM Detection Data Range: Trace(T) Description: Automatically detects exceptions in applications, including the number of application requests, the number of erroneous requests, and request delays	
٢	RUM detection Data Range: RUM(R) Description: Automatically detects the performance problems of APP/Website, and find out which view pages make users have poor interactive experience. Relevant detection indicators include LCP, FID, CLS, Loading Time and so on	
۲	Kubernetes Smart Monitoring Data Range: Metric(M) Description: Automatically detect abnormalities in Kubernetes through intelligent algorithms. Detection indicators include total number of Pods, Pod restarts, API QPS, etc	and the second s
	Cloud Billing Smart Monitoring Data Range: Billing(B) Description: Automatically detect abnormal account billing fees in different cloud vendors through intelligent algorithms, and the detection indicators include billing fees	

● 根据提示配置云账单监控,配置完成后,点击"Save"。

Intelligent Monitoring > Create [Cloud Billing Smart Monitoring]

۰	Add Tags							
1	Detection Configuration							
	Monitor Name							
	AWS Billing	11/256						
	Select detection range 🕲							
	Cloud provider aws ~ Account Name	All V Product Name All V						
2	Event Notice							
	Event Content (optional)							
	B I H ↔ 66 ≔ ⊨ 6 + Advanced	@ + Link + Variables						
	Please input the event content, for ex	cample:						
	The current host {{host}} memory usage	e is {{ Result to_fixed(2) }}%, which is out of the						
	set range. Please keep an eye on it.							
	* Monitor: {{df monitor checker name}							
	* Alert Strategy: {{df monitor name}}							
	Related issues							
3	Alert configuration							
C	Alast Stratage Q	Note: The quest level tripped by intelligent menitories is seen						
	Alert Strategy 🥪	Note: The event level triggered by intelligent monitoring is error						
	Please select *							
4	(4) Authorization							
	Action Authorization							
	Custom operation permissions (if not analyled follow the "monitor" default permissions)							
	Save Cancel							

若账单异常,即可在"Events" - "Intelligent Monitoring" 查看对应的异常事件。若配置告警策略,可通过设置通知对象,把异常信息直接发送给到通知对

象。