

FunctionGraph

What's New

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1 What's New



The following tables describe the features released in each FunctionGraph version and corresponding documentation updates. New features will be successively launched in each region.

February 2023

| No. | Feature | Description | Phase | Document |
|-----|---------------------------------|---|----------------|--|
| 1 | Custom log group and log stream | You can bind a log group and log stream to a function to manage its logs. | Commercial use | Configuring a Log Group and Log Stream |
| 2 | Function tags | Tags help you identify and manage your function resources. | Commercial use | Configuring Tags |

January 2023

| No. | Feature | Description | Phase | Document |
|-----|---------------------------|---|----------------|---|
| 1 | Top 10 functions by error | The Dashboard page displays the 10 functions with the most errors. | Commercial use | Introduction to Dashboard |

October 2022

| No. | Feature | Description | Phase | Document |
|-----|---------------------------------|--|----------------|--------------------------------------|
| 1 | Top 10 functions by invocations | The Dashboard page displays the 10 functions with the most invocations. | Commercial use | Use of FunctionGraph |

August 2022

| No. | Feature | Description | Phase | Document |
|-----|--|--|----------------|---|
| 1 | Dependency versioning | You can manage all of your dependencies by uploading them from a local path or through OBS, and give them different names. Dependencies can be iterated. Each dependency can have multiple versions. | Commercial use | Dependency Management |
| 2 | Configuration of the maximum requests per instance | The maximum number of requests per instance is up to 1000. | Commercial use | Configuring Single-Instance Multi-Concurrency |

July 2022

| No. | Feature | Description | Phase | Document |
|-----|----------------------------|---|----------------|--|
| 1 | Scheduled scaling policies | You can configure the number of reserved instances that will run in a specified period and a cron expression. During this period, FunctionGraph adjusts the number of reserved instances based on the cron expression. When the period expires, the fixed number of instances will be reserved. | Commercial use | Reserved Instance Management |

May 2022

| No. | Feature | Description | Phase | Document |
|-----|-----------------------|---|----------------|---|
| 1 | VSCoDe plug-in update | The plug-in supports creation, deployment, and debugging of Node.js and Python functions. | Commercial use | Local Debugging with VSCoDe |

April 2022

| No. | Feature | Description | Phase | Document |
|-----|---------|-------------|-------|----------|
|-----|---------|-------------|-------|----------|

March 2022

| No. | Feature | Description | Phase | Document |
|-----|------------------------------------|--|----------------|----------|
| 1 | Brand-new edition of FunctionGraph | You can customize display of function information, sort functions and pin desired functions on top, and better search them. In addition, apps are no longer available. Functions can be created more easily, especially when you use images. The code editor, test result display, and function configuration are optimized. | Commercial use | - |

February 2022

| No. | Feature | Description | Phase | Document |
|-----|--|---|----------------|---|
| 1 | Support for Python 3.9 and Node.js 14.18 | Python 3.9 and Node.js 14.18 are supported. | Commercial use | Developing Functions in Node.js Developing Functions in Python |

November 2021

| No. | Feature | Description | Phase | Document |
|-----|---------------------------|--|----------------|--|
| 1 | Custom images | You can directly package and upload container images. The platform then loads and starts these images to create functions. | Commercial use | Deploying a Function Using a Container Image |
| 2 | Dynamic memory allocation | Resources can be dynamically scheduled based on the size of the data source to be processed, reducing costs. | Commercial use | Configuring Dynamic Memory |

July 2021

| No. | Feature | Description | Phase | Document |
|-----|---|---|----------------|---|
| 1 | Interconnection with LTS | More log management features are supported. | Commercial use | Managing Function Logs |
| 2 | Encryption settings | Configuration information can be encrypted for display. | Commercial use | Configuring Environment Variables |
| 3 | Function running for an ultra-long period | You can set the function execution time to 43,200 seconds. | Commercial use | Function Management |
| 4 | Single-instance multi-concurrency | You can set the number of concurrent requests that can be processed by a single instance and the maximum number of instances that are supported for a function. | Commercial use | Configuring Single-Instance Multi-Concurrency |

July 2020

| No. | Feature | Description | Phase | Document |
|-----|--------------------------------|----------------------------------|----------------|--|
| 1 | Support for the Go 1.x runtime | The Go 1.x runtime is supported. | Commercial use | Developing Functions in Go 1.x |

June 2020

| No. | Feature | Description | Phase | Document |
|-----|--------------------------------|---|----------------|--|
| 1 | Support for reserved instances | For reserved instances, you can create and release them as required. After you create reserved instances for a function, FunctionGraph preferentially forwards requests for invoking the function to the reserved instances. If the number of requests exceeds the processing capability of the reserved instances, FunctionGraph will forward the extra requests to the pay-per-use instances and automatically allocates resources to these requests. | Commercial use | <ul style="list-style-type: none">• Reserved Instance Management |

May 2020

| No. | Feature | Description | Phase | Document |
|-----|--|---|----------------|---|
| 1 | Support for Node.js 10 and Node.js 12 runtimes | Node.js 10.16 and Node.js 12.13 runtimes are supported. | Commercial use | <ul style="list-style-type: none">• Developing Functions in Node.js |

March 2020

| No. | Feature | Description | Phase | Document |
|-----|----------------------------|---|----------------|--|
| 1 | Support for C# 3.1 runtime | The .NET Core 3.1 version is supported. | Commercial use | <ul style="list-style-type: none">• Developing Functions in C# |

December 2019

| No. | Feature | Description | Phase | Document |
|-----|----------------------------|-------------------------------|----------------|---|
| 1 | Support for Kafka triggers | Kafka triggers are supported. | Commercial use | <ul style="list-style-type: none"> • Using a Kafka Trigger |

November 2019

| No. | Feature | Description | Phase | Document |
|-----|--------------------------------|--|----------------|--------------------------------------|
| 1 | Support for monthly statistics | The monthly statistics function is added on the Dashboard page. | Commercial use | Use of FunctionGraph |

September 2019

| No. | Feature | Description | Phase | Document |
|-----|-----------------------------|--------------------------------|----------------|--|
| 1 | Support for custom runtimes | Custom runtimes are supported. | Commercial use | <ul style="list-style-type: none"> • Using a Custom Runtime |

August 2019

| No. | Feature | Description | Phase | Document |
|-----|----------------------------------|--|----------------|--|
| 1 | Support for file system mounting | You can mount file systems to your function to provide scalable file storage. The function can then read and write data in the file systems as it would do in local file systems. Each file system can be shared by different functions and instances. | Commercial use | Mounting a File System |

May 2019

| No. | Feature | Description | Phase | Document |
|-----|-----------------------------|-------------------------------|----------------|---|
| 1 | Support for the PHP runtime | The PHP runtime is supported. | Commercial use | <ul style="list-style-type: none">• Developing Functions in PHP |

March 2019

| No. | Feature | Description | Phase | Document |
|-----|-------------------------|---|----------------|---|
| 1 | Accessing VPC resources | Functions can be configured to access resources in VPCs or to access the Internet through source network address translation (SNAT) by binding elastic IP addresses. When editing a function, you can configure it to allow it to access a VPC. | Commercial use | Configuring the Network |

February 2019

| No. | Feature | Description | Phase | Document |
|-----|------------------------------|---|----------------|--|
| 1 | Support for traffic shifting | FunctionGraph allows you to publish one or more versions throughout the development, test, and production processes to manage your function code. After a function version is published, you can modify the configuration as required. | Commercial use | <ul style="list-style-type: none">• Version Management |

January 2019

| No. | Feature | Description | Phase | Document |
|-----|--------------------------------|---|----------------|--|
| 1 | Support for large memory sizes | The following memory sizes are supported: 1792 MB, 2048 MB, 2560 MB, 3072 MB, 3584 MB, and 4096 MB. | Commercial use | Configuring Basic Settings |