What New

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Issue 01

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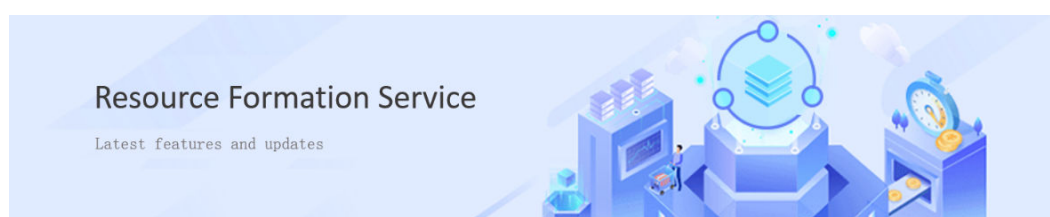
The following tables describe the functions released in each Resource Formation Service (RFS) version and corresponding documentation updates. New features will be successively launched in each region.

December 2023

No.	Feature	Description	Phase	Document
1	Using stack sets on console	RFS stack sets enable you to deploy stacks across accounts and regions in a single operation. In an administrator account, you can define and manage RFS templates and deploy them into a target account in a specified region. You can use stack sets to create, update, or delete stack instances to deploy target stacks.	OBT	--

October 2023

No.	Feature	Description	Phase	Document
1	Using stack sets to override parameters on stack instances	When creating or updating a stack instance, you can customize parameters that are different from those of a stack set for deployment.	OBT	**Creating Stack Instances**
2	Importing resources defined in a template	Users can import and manage existing resources with the import syntax in a template.	OBT	--
3	Enhancing orchestration of cloud service resources	Huawei Cloud Provider v1.56.0 is supported.	OBT	**Provider Version**
4	Retaining resources during stack deletion	You can retain resources when deleting a stack.	OBT	--

September 2023

No.	Feature	Description	Phase	Document
1	Releasing the API for obtaining a stack instance	You can use this API to view details about a stack instance of a stack set, including information about parameter overriding.	OBT	**Obtaining a Stack Instance**
2	Releasing the API for updating stack instances	Users can update and deploy a specified stack instance.	OBT	**Updating Stack Instances**
3	SFS, ELB, DCS, and APIG available in Visual Designer	You can create SFS, ELB, DCS, and APIG resources in Visual Designer.	OBT	--

August 2023

No.	Feature	Description	Phase	Document
1	Releasing the API for deleting a stack with conditions	You can retain resources managed by a stack when deleting it.	OBT	**Deleting a Stack with Conditions**
2	Enhancing orchestration of cloud service resources	Huawei Cloud Provider v1.54.1 is supported.	OBT	**Provider Version**

June 2023

No.	Feature	Description	Phase	Document
1	Supporting CCE-provider	Users can apply for E2E Huawei Cloud CCE service through RFS.	OBT	--
2	Enhancing orchestration of cloud service resources	Huawei Cloud Provider v1.50.0, v1.49.0, and 1.48.0 are supported.	OBT	**Provider Version**
3	Deploying stacks without agencies	Users can deploy stacks without agencies.	OBT	--

April 2023

No.	Feature	Description	Phase	Document
1	Enhancing orchestration of cloud service resources	Huawei Cloud Provider v1.47.1 and v1.46.0 are supported.	OBT	**Provider Version**

December 2022

No.	Feature	Description	Phase	Document
1	API for updating a stack	The update-stack API went online.	OBT	**Updating a Stack**
2	Extending stack metadata return	The following attribute fields are added to returned stack metadata: VarsBody and VarsURIContent.	OBT	**Obtaining Stack Metadata**
3	Filter capability	Filter capability is added to ListStackEvents.	OBT	**Listing Events of a Stack**
4	Template management	Template management is released. The function allows templates and version management and transfers templates through the template management system when stacks are created and updated.	OBT	**Template Management**
5	Visual designer	The visual designer is released. It provides a graphical user interface that allows generating templates through drag-and-drop operations on resources and selecting parameters. It connects to the template management system and stack system.	OBT	**Visual Designer**

November 2022

No.	Feature	Description	Phase	Document
1	Accessing OBS across regions	RFS supports OBS access across the CN South-Guangzhou and CN North-Beijing4 regions.	OBT	**Region and AZ**

No.	Feature	Description	Phase	Document
2	Updating stack parameters	RFS allows you to update stack parameters. You can use this API to update one or more of the four attribute fields of a stack: **description**, **enable_deletion_protection**, **enable_auto_rollback** and **agencies**.	OBT	**Updating a Stack**
3	Rectifying API behaviors	In the new version, the existing API behaviors are rectified as follows: ● The **vars_body** and **vars_uri_content** fields of a stack are added to the response returned by the **Get Stack Metadata** API. ● The **stack_id** field is deleted from the response returned by the **Create Execution Plan** API. ● Expired execution plans can no longer be executed.	OBT	**Applying an Execution Plan**

October 2022

No.	Feature	Description	Phase	Document
1	Enhancing orchestration of cloud service resources	Huawei Cloud Provider v1.40.2 and v1.41.0 are supported.	OBT	**Provider Version**
2	Integrating stack creation and deployment	RFS provides templates and variable parameters to implement one-click stack creation and deployment.	OBT	**Creating a Stack**

No.	Feature	Description	Phase	Document
3	Displaying preferential prices during price inquiry	When the price of resources contained in an execution plan is estimated, the preferential price is also displayed. The services return the optimal discounted price, including official website discounts, commercial discounts, and partner discounts.	OBT	**Estimating the Price of an Execution Plan**

September 2022

No.	Feature	Description	Phase	Document
1	Enhancing orchestration of cloud service resources	Huawei Cloud Provider v1.38.2, v1.39.0, v1.40.0, and v1.40.1 are supported.	Closed beta test	https://registry.terraform.io/providers/huaweicloud/huaweicloud/1.40.0/docs
2	Rectifying API behaviors	In the new version, the existing API behaviors are rectified as follows: • The **current_count** field is not returned for the listing APIs such as **List Stack**, **List Stack Events**, and **List Stack Outputs**. • The **detail_string** field is deleted from the response body returned by the **Get Execution Plan** API. • The HTTP code of the **Parse Template Variables** API is changed from 202 to 200.	Closed beta test	**Deploying a Stack** **Parsing Template Variables**

August 2022

No.	Feature	Description	Phase	Document
1	Enhancing resource orchestration	• Supported Huawei Cloud Provider v1.38.1. • Updated Terraform kernel v1.1.9.	Closed beta test	https://registry.terraform.io/providers/huaweicloud/huaweicloud/1.38.1/docs
2	Rectifying API behaviors	In the new version, the existing API behaviors are rectified as follows: • The URI of the **Deploy Stack** API is changed to **POST /v1/{*project_id*}/stacks/{*stack_name*}/deployments**, and the API no longer supports the update of the **description** parameter.	Closed beta test	**Deploying a Stack**

July 2022

No.	Feature	Description	Phase	Document
1	Enhancing resource orchestration	Supported Huawei Cloud Provider v1.38.0.	Closed beta test	https://registry.terraform.io/providers/huaweicloud/huaweicloud/1.38.0/docs
2	Encrypting sensitive data using KMS	RFS supports KMS encryption for sensitive data in your templates. The data types that can be encrypted include string, number, and bool. Sensitive data is encrypted by default.	Closed beta test	**KMS Encryption Application Scenarios**

No.	Feature	Description	Phase	Document
3	Rectifying API behaviors	In the new version, the existing API behaviors are rectified as follows: ● In the response of the **Get Stack Metadata** API, the flag indicating whether deletion protection is enabled for a stack and the flag indicating automatic rollback are returned. ● The mandatory field **X-Domain-Id** in the request header is removed from all APIs.	Closed beta test	**Creating a Stack**

June 2022

No.	Feature	Description	Phase	Document
1	Parsing template variables	RFS provides the function of parsing variable parameters in a template. You can use the API to obtain information about all variables defined in the template, including the variable name, type, description, default value, whether the variable is a sensitive field, and whether the variable can be empty. Currently, template files in .zip, .tf, or .tfjson format can be parsed.	Closed beta test	**Parsing Template Variables**

February 2019

No.	Feature	Description	Phase	Document
1	Cloud service resource orchestration capability is enhanced to support orchestration of CCI.Storage.SFS.	AOS supports the orchestration of CCI.Storage.SFS. This element is used to create file storage volumes in a specified namespace.	Commercial use	**CCI.Storage.SFS**
2	Cloud service resource orchestration capability is enhanced to support orchestration of CCI.StatefulSet.	AOS supports the orchestration of CCI.StatefulSet. This element is used to create stateful services.	Commercial use	**CCI.StatefulSet**

January 2019

No.	Feature	Description	Phase	Document
1	Cloud service resource orchestration capability is enhanced to support the orchestration of the Simple Message Notification (SMN) service.	AOS supports the orchestration of SMN. ● The **SMN.Subscription** element is used to subscribe to SMN. ● The **SMN.Topic** element is used to create an SMN topic.	Commercial use	**SMN.Subscription**
2	Cloud service resource orchestration capability is enhanced to support the orchestration of the Database Security Service (DBSS).	AOS supports the orchestration of DBSS.Instance, which is used to create DBSS resources.	Commercial use	**DBSS.Instance**

No.	Feature	Description	Phase	Document
3	The billing mode of stacks can be changed from pay-per-use to yearly/monthly mode.	AOS allows you to change the billing mode of pay-per-use stacks to yearly/monthly.	Commercial use	-
4	Stacks billed in the yearly/monthly mode can be modified.	AOS allows you to modify stacks billed in the yearly/monthly billing mode.	Commercial use	-