Resource Formation Service

What's New

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Security Declaration

Vulnerability

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For vulnerability information, enterprise customers can visit the following web page:
https://securitybulletin.huawei.com/enterprise/en/security-advisory

Contents

1 What's New
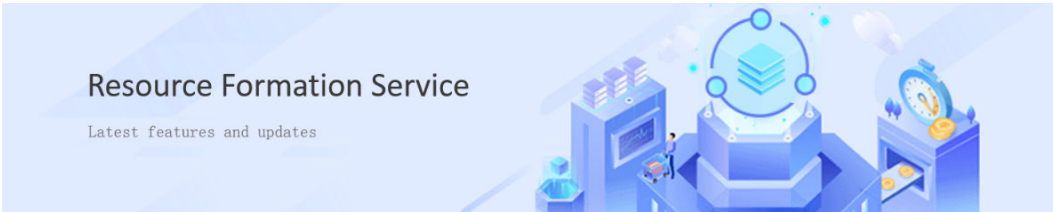
The following tables outline the functions introduced in each Resource Formation Service (RFS) version, along with updates to relevant documentation. New features will be rolled out gradually across regions.

July 2024

No.	Function	Description	Phase	Documentation
1	ELB (IPv6 allowed) listeners, pools, and members, as well as ER and DNS resources supported in the visual designer	You can create ELB listeners, pools, and members, as well as ER and DNS resources in the visual designer. IPv6 resources can be created for ELB.	OBT	--
2	DMS for RabbitMQ, WAF, CBH, DWS, and HSS supported in price inquiry about execution plans	You can make inquiries into the prices of DMS for RabbitMQ, WAF, CBH, DWS, and HSS in the execution plan.	OBT	--

June 2024

No.	Function	Description	Phase	Documentation
1	EPS, SMN, CBR, MRS, and DDS supported in the visual designer	You can create EPS, SMN, CBR, MRS, and DDS resources in the visual designer.	OBT	--

May 2024

No.	Function	Description	Phase	Documentation
1	DWS, VPCEP, GaussDB, and VPN supported in the visual designer	You can create DWS, VPCEP, GaussDB, and VPN resources in the visual designer.	OBT	--
2	Service-managed permission model supported for stack sets	When creating a stack set, you can set the permission model to **SERVICE_MANAGED**.	OBT	**Creating a Stack Set**
3	Deploying a stack set to a specified OU	You can specify the deployment target for stack instances when using the **CreateStackInstances** and **DeployStackSet** APIs. This can be done by providing the ID of an organization unit (OU). Multiple filtering policies are supported.	OBT	**Creating Stack Instances** and **Deploying a Stack Set**

April 2024

No.	Function	Description	Phase	Documentation
1	CSS and IMS supported in the visual designer	You can create CSS and IMS resources in the visual designer.	OBT	--

March 2024

No.	Function	Description	Phase	Documentation
1	CBH and DEW supported in the visual designer	You can create CBH and DEW resources in the visual designer.	OBT	--
2	Concurrent deployment of a stack set	When creating a stack set, you can determine whether stack set operations can be created concurrently. You can set the concurrent deployment policy when deploying stack instances using the **CreateStackInstances** and **DeployStackSet** APIs.	OBT	**Creating Stack Instances** and **Deploying a Stack Set**

February 2024

No.	Function	Description	Phase	Documentation
1	CCE nodes, LTS, Kafka, and DMS supported in the visual designer	You can create CCE nodes, LTS, Kafka, and DMS resources in the visual designer.	OBT	--

January 2024

No.	Function	Description	Phase	Documentation
1	OBS supported in the visual designer	You can create OBS resources in the visual designer.	OBT	--

December 2023

No.	Function	Description	Phase	Documentation
1	Using stack sets on the console	RFS stack sets enable you to deploy stacks across accounts and regions with 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.	Function	Description	Phase	Documentation
1	Using stack sets to override parameters on stack instances with custom parameters	When creating or updating stack instances, you can customize different parameters than those of a stack set for deployment.	OBT	**Creating Stack Instances**
2	Importing resources defined in a template	You can manage the import of 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 on the console	You can retain resources when deleting a stack on the console.	OBT	--

September 2023

No.	Function	Description	Phase	Documentation
1	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	The API for updating stack instances	With this function, you can update and deploy specified stack instances.	OBT	**Updating Stack Instances**
3	SFS, ELB, DCS, and APIG supported in the visual designer	You can create SFS, ELB, DCS, and APIG resources in the visual designer.	OBT	--

August 2023

No.	Function	Description	Phase	Documentation
1	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.	Function	Description	Phase	Documentation
1	Support for CCE-provider	You 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 v1.48.0 are supported.	OBT	**Provider Version**

No.	Function	Description	Phase	Documentation
3	Deploying stacks without agencies	You can deploy stacks without agencies.	OBT	--

April 2023

No.	Function	Description	Phase	Documentation
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.	Function	Description	Phase	Documentation
1	The API for updating a stack	With this function, you can update the specified stack.	OBT	**Updating a Stack**
2	New attribute fields in returned stack metadata	The following attribute fields are added to returned stack metadata: **vars_body** and **vars_uri_content**.	OBT	**Obtaining Stack Metadata**
3	Filtering listed stack events	You can filter listed stack events.	OBT	**Listing Events of a Stack**
4	Template management	The template management function is released. It allows template and version management and transfers templates through the template management system during stack creation and updates.	OBT	**Template Management**

No.	Function	Description	Phase	Documentation
5	Visual designer	The visual designer is released. It offers a graphical user interface that enables you to create templates by simply dragging and dropping resources and selecting parameters. It connects to the template management system and stack system.	OBT	**Visual Designer**

November 2022

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

No.	Function	Description	Phase	Documentation
3	Modifying API behavior	In the new version, the existing API behavior is modified as follows: • The **vars_body** and **vars_uri_content** fields of a stack are added to the response returned by the API for getting stack metadata. • The **stack_id** field is removed from the response returned by the API for creating an execution plan. • Expired execution plans can no longer be applied.	OBT	**Applying an Execution Plan**

October 2022

No.	Function	Description	Phase	Documentation
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 variables to implement one-click stack creation and deployment.	OBT	**Creating a Stack**
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 service returns the optimal discounted price, including official website discounts, commercial discounts, and partner discounts.	OBT	**Estimating the Price of an Execution Plan**

September 2022

No.	Function	Description	Phase	Documentation
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	Modifying API behavior	In the new version, the existing API behavior is modified as follows: ● The **current_count** field is not returned by the listing APIs, such as **ListStacks**, **ListStackEvents**, and **ListStackOutputs**. ● The **detail_string** field is removed from the response body returned by the API for getting execution plans. ● The HTTP code of the API for parsing template variables is changed from 202 to 200.	Closed beta test	**Deploying a Stack** **Parsing Template Variables**

August 2022

No.	Function	Description	Phase	Documentation
1	Enhancing resource orchestration	● Huawei Cloud Provider v1.38.1 is supported. ● Terraform kernel v1.1.9 is updated.	Closed beta test	https://registry.terraform.io/providers/huaweicloud/huaweicloud/1.38.1/docs

No.	Function	Description	Phase	Documentation
2	Modifying API behavior	In the new version, the existing API behavior is modified as follows: ● The URI of the API for deploying a stack is changed to **POST /v1/*{project_id}*/stacks/*{stack_name}*/deployments**, and the API no longer allows updating the **description** parameter.	Closed beta test	**Deploying a Stack**

July 2022

No.	Function	Description	Phase	Documentation
1	Enhancing resource orchestration	Huawei Cloud Provider v1.38.0 is supported.	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.	Function	Description	Phase	Documentation
3	Modifying API behavior	In the new version, the existing API behavior is modified as follows: ● When the API for getting stack metadata is used, the response will include flags indicating whether deletion protection and auto-rollback are enabled for the stack. ● The mandatory field **X-Domain-Id** in the request header is removed from all APIs.	Closed beta test	**Creating a Stack**

June 2022

No.	Function	Description	Phase	Documentation
1	Parsing template variables	RFS can parse variables in a template and return their information in the API response, including their names, types, description, default values, and attributes (sensitive/nullable). Currently, template files in **.zip**, **.tf**, or **.tf.json** format can be parsed.	Closed beta test	**Parsing Template Variables**