HaydnCSF

Best Practices

 Issue
 01

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HUAWEI CLOUD COMPUTING TECHNOLOGIES CO., LTD.

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Certification Tests on HaydnCSF

1.1 Certification Notes

Before starting the certification test, fill in the **required material for product certification tests** based on the product solution and upload it as an attachment during solution registration. Fill in the **reliability checklist** and upload it as an attachment of the last reliability test case after the reliability test case is executed.

Huawei Cloud Certification Test and Requirements

This document describes the certification tests of joint operations products, partner-led, and advanced cloud software. Each test verifies the product functions, performance, security, reliability, and integration. For details, see the following table.

Test I	tem	Test Requirement				
Fun ctio	Service function	1) Test cases must cover all level-2 functions in the function list.				
n		2) Operation steps are required for test cases.				
		 End to end test cases are required for main scenarios. 				
		4) If hardware products are involved, partners need to provide the product description, quality test report (third-party or self-test report), and function test report (if any).				
	Service control	1) A notification is sent when the license is about to expire.				
		2) The system is unavailable when the license expires.				
		3) After the license is renewed, the system can be used normally and the original data is not deleted.				

Test Item		Test Requirement					
	Maintainability	 Centralized Event Management Platform Check Log Management System Check Product Monitoring and Alarm Management System Check Certificate Expiration Alarm Check 					
Performance		 Select three to five basic core functions, determine the pressure load (for example, 100 concurrent users) based on the currently used resource specifications, and perform continuous concurrency tests (5 to 10 minutes). Select a hybrid service scenario with two to four system core functions and perform continuous concurrency tests (0.5 to 2 hours). Select any scenario and perform a fatigue pressure test (4 to 6 hours). If hardware products are involved, select three to four hardware service scenarios and perform continuous concurrency tests (0.5 to 2 hours) on the hardware product performance such as a camera's resolution and the number of simultaneous video 					
Secu rity	Manual security test cases	 Execute 34 manual security test cases. API products use tokens or dynamic signatures for authentication. Session- and password-related test cases in manual test cases are not involved. 					
	Web scanning	1) The open-sourced tool OWASP Zed Attack Proxy					
	Host scanning	(OWASP ZAP) is used for web scanning, and Huawei Cloud Host Security Service (HSS) is used for host					
Binary scanning		scanning.2) Rectify a fault based on the scan results and suggestions.					
Reliability		1) Deploy the HA test environment (data HA, application HA, and security services) based on the reliability checklist (SaaS reliability requirements and License reliability requirements).					
		2) Design test cases based on the reliability checklist and test services at each fault point.					
		3) The reliability requirements of the backend service corresponding to the API offering are the same as those of the SaaS.					

Test Item	Test Requirement
Integration	1) Based on the solution architecture diagram, test the connectivity of the integration path of Huawei Cloud services involved in the solution to ensure that the service flows and data flows in core service scenarios can be streamlined with the dependent Huawei Cloud services in an end-to-end manner.
	2) If hardware products are involved, select three to six core business scenarios of the solution and perform connectivity tests on their service and data flows.

D NOTE

- Function, performance, security, reliability, and integration tests have been released on HaydnCSF Case Templates. Select and modify a template by referring to Designing Test Cases.
- If hardware products are involved, pay attention to the requirements related to the function test, performance test, and integration test of hardware products in the preceding table.
- The certification test is completed on Haydn Cloud Solution Factory (HaydnCSF). Click here to access the HaydnCSF console using Chrome browser (recommended). HaydnCSF is a self-service tool platform that enables partners to quickly build and verify solutions. For details, see What Is HaydnCSF?

Reliability Requirements

Reliability requirements are classified into two levels based on the importance of software systems. You can determine and evaluate reliability levels based on the importance of application systems or the following table.

Reliability Requirement Level	Recovery Time Objective (RTO)	Recovery Point Objective (RPO)
Medium	2 hours < RTO < 12 hours	RPO asynchronization in minutes
High	RTO < 2 hours	RPO synchronization in seconds
Description	Indicates the time required for recovering services after a service interruption. For example, if a disaster occurs at 14:00 and the RTO is 2 hours, the DR system must recover services to an acceptable service level before 16:00.	Indicates the amount of acceptable data loss. For example, if a disaster occurs at 14:00 and the RPO is 2 hours, only data loss within this period (between 12:00 and 14:00) is acceptable.

Table 1-2 Reliability requirement levels evaluation

Reliability requirements are classified into SaaS and license reliability requirements based on the deployment mode. See the following table.

1. SaaS Reliability Requirements

Reliability Requirement Item		M e di u m	H ig h	Description	
Data	Distribu	ted		√	Database cluster or active/standby. Use the
HA (man dator y)	Active/standby		√		Huawei Cloud database service. You can also use an Elastic Cloud Server (ECS) to build a distributed or active/standby database. In the self-built architecture, the ECS icon must indicate the database to be deployed and the cluster or active/standby relationship.
	Data backup		√	√	If the automated backup policy is enabled for Huawei Cloud databases, the data backup storage location must be specified for self-built databases.
Applic ation	Cluste r	Single AZ	√		1. A CCE cluster or a self-built ECS cluster (more than two ECSs where the same
HA		Cross- AZ		√	application is deployed) is used. 2. Middleware (such as Redis) must be displayed in the architecture regardless of whether Huawei advanced services or self- built middleware is used. Middleware must be deployed in active/standby or cluster mode.
	Data backup		√	√	 CCE/CCI container deployment + Cloud Backup and Recovery (CBR) ECS + CBR
Securi ty Servic e	Host security		√	V	Huawei Cloud Host Security Service (HSS), enterprise edition. One ECS for one HSS.
	Anti-DDoS		V	√	Huawei Cloud Anti-DDoS can be used in the test environment. Advanced Anti-DDoS-BGP Pro must be used in the production environment.

 Table 1-3 SaaS reliability requirements

Reliability Requirement Item		M H e ig di h u m		Description
	WAF	V	√	In the test environment, you can apply for resources of the basic edition for testing. The production and release requirements are as follows:
				Medium: WAF standard edition
				Advanced: WAF professional edition
				Note: APIs that released through API gateway are not involved.
	Bastion host	√	√	For Huawei Cloud Bastion Host (CBH), use the minimum specifications during the test: 10 hosts, which can be self-built.
System	System/Audit Log		V	Operation logs, security logs, system logs can be recorded and audited.
				1. An operation log records operations performed by operators on the system, such as adding, deleting, and modifying resource information.
				2. A security log records operations and running information related to system security, such as user login, normal user logout, user locking, user/role addition, deletion, and modification, and system security configuration modification.
				3. A system log records operations performed by background services on user resources during system running, such as automatically locking users and periodically clearing user data by the system timer.
				4. For the checks that are included in the test cases, Huawei Cloud services are not necessarily required.

2. License Reliability Requirements

Reliability Requirement Item		M e di u m	Hi gh	Description	
Data HA (manda tory)	Active/ standby		√	√	Database cluster or active/standby. Use the distributed or active/standby mode of the Huawei Cloud database service. You can also use an ECS to build a distributed or active/standby database. In the self-built architecture, the ECS icon must indicate the database to be deployed and the cluster or active/standby relationship.
	Data b	ackup	√	V	If the automated backup policy is enabled for Huawei Cloud databases, the data backup storage location must be specified for self-built databases.
Applica tion HA	Clust er Active/ standb	Singl e AZ Cros s-AZ		√ √	 A CCE cluster or a self-built ECS cluster (more than two ECSs where the same application is deployed) is used. Middleware (such as Redis) must be displayed in the architecture regardless of whether Huawei advanced services or self- built middleware is used. Middleware must be deployed in active/standby or cluster mode. If the license reliability requirement level is medium, single-node deployment is allowed but the alarm monitoring service must be integrated. You can use Huawei Cloud Eve (CES). Application Operations
	Data b	ackup	√	√	Cloud Eye (CES), Application Operations Management (AOM), third-party, or self- built alarm monitoring services. 4. The license reliability level is high, and the application HA meets either the cluster or active/standby requirements. CCE/CCI container deployment + CBR Or ECS + CBR
Securit Host security √ ✓ Huawei Cloud Hos y enterprise edition.		Huawei Cloud Host Security Service (HSS), enterprise edition. One ECS for one HSS.			
Service	Anti-D	DoS	√	√	Huawei Cloud Anti-DDoS

Reliability Requirement Item		M e di u m	Hi gh	Description
	Bastion host	V	V	1. If resources belong to tenants, no bastion host is required. If resources are maintained by ISVs in a unified manner, configure bastion hosts.
				2. For CBH, use the minimum specifications during the test: 10 hosts, which can be self-built.
System/A	System/Audit Log		V	Operation logs, security logs, and system logs are recorded.
				1. An operation log records operations performed by operators on the system, such as adding, deleting, and modifying resource information.
				2. A security log records operations and running information related to system security, such as user login, normal user logout, user locking, user/role addition, deletion, and modification, and system security configuration modification.
				3. A system log records operations performed by background services on user resources during system running, such as automatically locking users and periodically clearing user data by the system timer.
				4. For the checks that are included in the test cases, Huawei Cloud services are not necessarily required.

Example Work Plan for a Certification Test

To ensure that the certification test can be completed efficiently and quickly, arrange R&D personnel in advance to support the test and rectify faults. Understand the test process and make a proper plan before the certification test starts. The following test work plan is for reference only.

Table	1-5	Example	work	plan
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Test Pha se	Content	Planned Start	Planned End	Workl oad Refere nce (Perso n- Day)	Description
Test Prep arat ions	Register and design a solution.	October 19, 2022	October 19, 2022	1	
	Create test requirements, formulate test plans, and design test cases.	October 20, 2022	October 21, 2022	2	
	Deploy a test environment.	October 21, 2022	October 21, 2022	1	The test environment must meet reliability requirements. For details, see Reliability Requirements .

	i									
Test Exec utio n	Security test	Binary package scanning (indepen dent of the deployme nt environm ent) Web scanning Host scanning	October 24, 2022	October 24, 2022	0.5	1.	Different types of tests can be performed concurrently. It takes a long time to fix security vulnerabilities. Therefore, use security tools (binary, web, and host scanning) to scan and report security			
		Basic manual test cases	October 24, 2022	October 25, 2022	2		vulnerabilities to R&D engineers for fixing first.			
	Reliability t cases)	est (basic	October 24, 2022	October 24, 2022	0.5	3.	If a product has passed other types of			
	Performand	ce test	October 24, 2022	October 24, 2022	1		Huawei Cloud tests, provide			
	Function test	Function	October 24, 2022	October 27, 2022	50 cases/		related test materials and evaluate the			
		Service control	October 24, 2022	October 27, 2022	person -day. Evalua		reuse test conclusion			
		Maintain ability	October 24, 2022	October 27, 2022	te based on the		confirming with the			
	Integration	test	October 24, 2022	October 27, 2022	actual situati on.		certification test team.			
Clos ure	Issue list cl	osure	October 24, 2022	October 27, 2022	/	1.	Evaluate based on the number and difficulty of problems found in the test. Report the problems found during the test to the R&D engineers for rectification.			

User Roles

• Roles on HaydnCSF:

Enterprise administrators and common users

- Enterprise administrator can use the Operations Center to manage the users of your enterprise, view reports of your enterprise, and analyze verification efficiency.
- Common users are people in different positions of your enterprise, for example, project managers, architects, and test engineers.

• Roles on HaydnCSF workspace

A user in a specific HaydnCSF workspace is isolated from each other. A user can have different roles in different workspaces.

- Administrator: The administrator of a workspace. An administrator can manage users in the workspace.
- Project manager: A project manager manages a workspace and the users in the workspace, makes test plans, and reviews solutions, requirements, test cases and reports.
- Architect: An architect registers, designs, and reviews solutions, creates test requirements, and handles test issues on HaydnCSF.
- Test engineer: A test engineer designs and performs test cases, creates test resources, handles test issues, and provides test reports.
- Visitor: A visitor can only view a workspace. You can assign the role to a user when inviting them into the workspace.

For details about roles in HaydnCSF, see **HaydnCSF User Access Permission**. To add a user and set a role for the user, see **Setting an Enterprise Administrator**.

Preparations

Before certification, partners need to complete the following operations:

- **Register with HaydnCSF** by referring to **Accessing HaydnCSF** in the user guide.
- Create a workspace by referring to Creating a Workspace.
- Add an enterprise user and assign a role to the user.
- Invite Huawei engineers to join the workspace.

For details about how to add an enterprise user, assign a role to the user, and invite a Huawei engineer to join the space, see **Managing Workspace Members**

1.2 Certification Process and Instructions

1.2.1 Process Overview

Based on HaydnCSF, there are standard processes, quick processes, and customized processes. Standard processes are used for the certification of the joint operations product, partner-led products, and advanced cloud software. The responsibilities in the processes are as follows:

- Partners: create workspace, register and design solutions, create test requirements, design test cases, enable test resources, execute test cases, and generate test reports.
- Huawei: reviews the solutions, test requirements, test cases, and test reports.

	Workspace creation	Solution design	Solution verification
Test engineer (Huawei)		 0.5 days Rever registered Model HeydnC SF design center 	Image: Solution of the second secon
Architect (partner)		3 1 day Beginter Southor Southor HaydnCSF Southor HaydnCSF design center design center	
Project manager (partner)	Apply for certification test Seller Console Console Console		
Test engineer (partner)			O constraints O constr

Figure 1-1 Process overview

NOTE

- 1. This flowchart is based on role management. The administrator, architect, test engineer, and project manager of a partner enterprise can be the same person.
- 2. If a partner has not contacted the Huawei personnel responsible for releasing the product, contact the Huawei personnel to test the connection and read the operation guide in advance for preparation.

1.2.2 Registering Solutions

The partner architect registers a solution, selects the corresponding certification test process, and completes the solution architecture design.

NOTE

If a solution has been automatically created on the seller console, use the default solution directly.

Procedure

 Log in to HaydnCSF as a partner architect, click the name of the created workspace, choose Space Management > Solutions > Create, and create a solution on the Solution Management page.

Figure 1-2 Creating a solution

≡	0	Solution Management
0 9	HaydnCSF	Caste Cruste Using Tempate
		Solution Name (Solution Version) Source Applicable Industries Deployment Environment Solution Phase 🕜 🔂 Created By Created Operation
λΩ	XX Compa	
0	Workspace Management	\square
0	Solutions	No able data
0	Members	
Ó	Reports	
4	To-Dos	
۲	Recycle	
&	Bins	<
	Design Center	
	Verification - Center -	

- 2. Specify the solution details.
 - Solution Type: Select Joint operations products, Partner-led, or Advanced cloud software as required.
 - Application Service Mode: Select a mode based on the product delivery mode.
 - Reliability Level: Select Medium or High based on the certification test reliability requirements and service reliability requirements.
 - Partner architect: Select an architect for designing architectures from the drop-down list. If an architect cannot be selected, check whether the architect is a member of this workspace. Only members in this workspace can be selected.
 - Partner test engineer: Select a test engineer responsible for the certification from the drop-down list. If a test engineer cannot be selected, check whether the test engineer is a member of this workspace. Only members in this workspace can be selected.
 - Huawei test engineer: Huawei test contact person. Select a Huawei test engineer from the drop-down list. If a test engineer cannot be selected, check whether the test engineer is a member of this workspace. Only members in this workspace can be selected.



Figure 1-3 Specifying the solution details (1)

- **Solution Name**: Enter the name of a released solution.

- Applicable Industries: Select one or multiple industries to which the product applies.
- Deployment Environment: Huawei Cloud, Huawei Cloud Stack, Huawei Cloud Stack Online, and Intelligent EdgeSite (IES) are available. If Huawei Cloud Stack deployment is required, evaluate it during architecture design.
- **Solution Version**: version number of the tested solution.
- Display Cover: Upload the service flowchart of the solution, which is displayed when the solution is exported.
- Solution Description: Introduce a product solution by referring to the example.
- Solution Attachment: Upload the *Test Required Materials* of the solution. To obtain the document, see Certification Notes.

Figure 1-4 Specifying the solution details (2)



3. Click **Submit**. You can view the new solution on the **Solution Management** page.

NOTE

• Some services of Huawei Cloud Stack are different from those of Huawei Cloud. To check if a deployment environment supports Huawei Cloud Stack, evaluate the deployment environment during design by referring to Huawei Cloud Stack Product Documentation and Huawei Cloud Stack 8.2.1 Solution Description.

1.2.3 Designing Architectures

In the architecture design phase, partner architects complete the integration architecture design and resource list configuration.

Designing an Integration Architecture

To design an integration architecture, see **Designing an Integration Architecture**.

Procedure

1. After logging in to the HaydnCSF console, partner architects can click **To-Dos** or **Solutions** to design solutions.

Figure 1-5 Clicking To-Dos

Ξ	💮 HaydnCSF 💿		Homepage Workspaces	To-Dos ¹ Operations Center		Documentation	User Guide Current workbench	Solution design ~
		My To-Dos	1		My Applications	🗟 1		
0		Completed 2	Total 3		Completed 1		Total 2	
۵						Workspe	ce 🔹 🚽 Enter a works	pace name. Q C
Ó	Workspace	Service Name	To-Dos 🏹	7	Created 48	Retention Duration ↓=	Operation	
4 @	XX Company - XX Solution - Ass	ociated Commodity C xx solution	Solution de	sign	Aug 24, 2023 16:45:45 GMT+08:00	2 minutes	Handle View Handling Histor	Y

Figure 1-6 Clicking Solutions

≡		Solution Management												
6	HaydnCSF	Create Using Template						Solution Name	▼ Enter a solution	n name. Q	С			
0		Solution Name (Solution Version)	Source	Applicable Industries	Deployment Environment	Solution Phase ② 🎖	Created By	(Created	Operation				
.000.	XX Compa	 xx solution (V1.0) 	Inside Haydn	Retail, Manufacturing	Huawei Cloud	Solution design	уа	,	Aug 24, 2023 16:45:45 GMT+	Edit More - 2				
•	Workspace A								C	esign 3				
0	Solutions									even				
٢	Members								4 9	olution Change				
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4	To-Dos								E	xport Solution				

Figure 1-7 Solution architecture designing page

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MA.	Please enter an archite Q	
0	Create Integration Architecture	
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Ô	Create Integration Architecture.	No integration architecture. Create an integration architecture first.
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- 2. Click Create Integration Architecture and complete the configuration.
 - Architecture Name: The system automatically uses the solution name and version number entered during solution registration as the architecture name.
 - **Architecture Template**: Generally, select **No template** and select components to customize the architecture design.
 - i. **No template**: No template is used.
 - ii. Architecture template for solution acceleration field: provides reference architecture templates for secondary editing, accelerating architecture design. For example, you can search for a template by keyword I want to find a template for the supply chain collaboration scenario in the manufacturing industry.
 - iii. **Existing architecture**: If another workspace has been created before this workspace and the architecture diagram have been drawn, you can copy the architecture diagram to this workspace. The deployment architecture will be copied synchronously.
 - Deployment Environment: indicates the environment to be deployed in this solution. Only the deployment environment specified during solution creation can be selected. In the following figure, Huawei Cloud is selected during solution design. Therefore, only Huawei Cloud can be selected.
 - **Architecture Description**: You can describe the architecture diagram.

Figure 1-8 Creating an integration architecture 1

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Create Integration Architecture	* Architecture Name xx solution(V1.0)			
Create Integration Architecture	Achtel-dare Teneplate			
	62,889			

3. Click **OK**. You can click **Operation** to modify or perform other operations on the integration architecture information.

Figure 1-9 Creating an integration architecture 2

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<u>⊕</u> •€	Search Diagram Element Q			
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	Polyline 13 Polyline 14 Polyline 15			

4. Complete the architecture design based on the certification test requirements.

Figure 1-10 Creating an integration architecture 3



5. Click the save icon in the upper right corner and select items from **Remarks** as required.

Figure 1-11 Completing the reliability requirement configuration of the integration architecture



6. Create a deployment architecture in the integration architecture and complete the configurations.

NOTE

The solution acceleration field of HaydnCSF provides a large number of **architecture templates** for architecture design reference and secondary editing. For details, see **Architecture Templates**.

Designing an Architecture and Configuring Cloud Resources

- 1. Click **Create deployment architecture** and specify the deployment architecture information.
 - Architecture Name: By default, this value is automatically generated in the format of Solution name + Version number.
 - Architecture Type: Manual deployment and Manual deployment (graphical mode) are available.
 - i. **Manual deployment**: You need to manually create and search for cloud services in the architecture diagram to configure specifications.
 - ii. **Manual deployment (graphical mode)** (recommended): Click the cloud icon on the architecture to select the required cloud service specifications.
 - Deployment Environment: You can select only the deployment environment specified in the solution creation phase.
 - **Architecture Description**: You can describe the deployment architecture. This parameter is optional.

© (Q (B) ± (< +) ⊲ 0 -6 Create Deployment Architecture 0 Aa (!) ↔ **-**- 🔘 Cancel t_ 1 Ċ Ľ, ٦ ٦ ſ 0

Figure 1-12 Creating a deployment architecture 1

2. After specifying the information, click **OK**.





3. Click **Graphic Configuration**. In the configuration diagram, click the cloud service to be configured and select the specifications of the cloud service.

NOTE

Icons of cloud services whose specifications have not been configured are highlighted in pink.



Figure 1-14 Configuring the cloud service specifications 1





4. After all cloud services are configured, the background color of all icons in the architecture diagram changes to white. Save the settings to synchronize them to the configuration list of the deployment architecture.



Figure 1-16 Completing the cloud service specifications

5. Click **List Preview** to view the configured resource list.

Figure 1-17 Viewing the configured resource list 1

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100	Please enter an archite Q	80% • Q Q	Auto Save													
٥	Create Technical Architecture		HURVIEI CLOUD		> List Preview	No.	Cloud Service	Name	Region	Specifications	Qua	Charging M	Charging Period	Reference	Description	
0000	★ acc solution(V1.0) Operation →			integrated powertion system Service Service Service		1	Service appl	Elastic Clou		Type: x88 General composit ng-plus c3 Jarge 2 2 vCP Us 4GB Image: CentOS CentOS 8. 2 64at System Disk: General Purp ose SSD 40GB	1	Yearly/Monthly	1Month(5)	\$54.98		
© &		< ~ + + + + + + + + + + + + + + + + + +	Ender scores	52	Data Access to CSS Cloud Sear Service	2	Service appl	Elastic Cicu		Type: x86 General computi ng-plus c3 large 2 2 vCP Us 4G8 Image: CentOS CentOS 8. 2 64bit System Disk: General Purp ose SSD 40G8	1	YearlyMoethly	1Month(s)	\$54.93		
		Balance	Ngirs 2			з	Service appl	Elastic Ciou		Type: x06 General computi ng-plus c3 Jarge 2 2 vCP Us 4GB Image: CentOS CentOS 8. 2 64at System Disk: General Purp ose SSD 40GB	1	YearlyMonthly	1Month(s)	\$54.98		
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				Court Eastern Host		5	Ngits: 1	Elastic Clou		Type: x06 General computi ng-plus c3 large 2 2 vCP Us 4G8 Image: CentOS CentOS 8. 2 64bit System Disk: General Purp ose SSD 40G8	1	Yearlyfilloethly	1Month(s)	\$54.98		

6. Click **Configuration List** to view the configured cloud service resource list.

5			5	5							
< Design Center										Export Solution	Submit for Review Transfer
xx solution(V1.0) Configuration Graphic Configuration Configuration List Add Configuration Rem () Export									1		
Please enter an archite Q	No.	* Cloud Service	* Name	* Specifications (2)	* Quan	* Charging Mode	* Charging Period	* Reference Price	Description	Auto Generate	Operation
Create Integration Architecture Transition (V1.0) Operation •	8	Distributed Cache	Distributed Cache	Version: 5.0 Master/Standby X86 DRAM 2 128 MB	1	YearlyMonthly	1Month(s)	\$1.92	- 🖉	Yes	Modify Specifications Delete
🕲 📧 xx solutio Operation 🔹	7	Cloud Search Service	Cloud Search Service	CPU Architecture: x86 Disk-intensiv e	1	YearlyMonthly	1Month(s)	\$1,001.28	- 2	Yes	Modify Specifications Delete
	6	RDS for MySQL	RDS for MySQL	Type: MySQL 8.0 PrimaryStandby General-purpose 2xCPUs, 4G8 Storage: Cloud SSD 40G8	1	YearlyMonthly	1Month(s)	555.69	- 2	Yes	Modify Specifications Delete
	5	Elastic Cloud Server	Nginx 2	Type: x88 General computing-plus c3.large 2 2 vCPUs 4G8 mage: CentOS CentOS 8.2 64bit System Disk: General Purpose SSD 40GB	1	YearlyMonthly	1Month(s)	554.90	- l	Yes	Motily Specifications Delete
	4	Elastic Cloud Server	Nginx 1	Type: x88 General computing-plus c3.large.2. 2.vCPUs 4G8 Image: CentOS CentOS 8.2.64bit System Disk: General Purpose SSD 40GB	1	YearlyMonthly	1Month(s)	554.95	- 2	Yes	Modily Specifications Delete
	3	Elastic Cloud Server	Service application n	Type: x86 General computing-plus c3.trge.2. 2 vCPUs 4G8 Image: CentOS CentOS 8.2.64bit System Disk: General Purpose SSD 40GB	1	YearlyMonthly	1Month(s)	554.98	- 2	Yes	Modily Specifications Delete
	2	Elastic Cloud Server	Service application 3	Type: x88 General computing-plus c3.large 2 2 vCPUs 4G8 Image: CentOS CentOS 8.2 64bit System Disk: General Purpose SSD 40GB	1	YearlyMonthly	1Month(s)	554.90	- l	Yes	Motity Specifications Delete
	1	Elastic Cloud Server	Service application 2	Type: x88 General computing-plus c3.large.2 2 vCPUs 4G8 mage: CentOS CentOS & 2 64bit Swatem Disc: General Burrose SSD	1	YearlyMonthly	1Month(s)	554.98	- 2	Yes	Modify Specifications Delete

Figure 1-18 Viewing the configured resource list 2

NOTE

You can select cloud service specifications based on the graphical cloud service specification configuration diagram to ensure that the type, quantity, and specifications of the cloud services in the deployment architecture design are consistent with those of the cloud services used in the deployment environment on Huawei Cloud.

Submitting for Review

After the architecture design is complete, submit it for review.

- 1. Submit for Review: Submit the solution and design to Huawei test engineers.
 - **Framework**: Select the name of the target architecture.
 - Solution Review Owner: Generally, select Huawei test engineers.

Figure 1-19 Submitting the solution design for review

< Design Center			Export Solutio	n Submit for Review Transfer
xx solution(V1.0) •	Granhie Conferention List			0
⊕ •€	Add Configuration litern ② Export	Submit for Review		
Please enter an archite Q B	No. * Cloud Service * Name * Spr	ecifications	* Reference Price Description Aut	o Operation
v xx solution(V1.0) Operation *	8 Distributed Cache Distributed Cache Versic DRAM	on: 50 Made	51.92 🖉 Yes	Modify Specifications Delete
Internation - Operation - O	7 Cloud Search Senice Cloud Search Senice e	Architecture > Remarks Please enformmarks.	51,001.28 - 🖉 Yes	Modify Specifications Delete
	6 RDS for MySQL RDS for MySQL Gen Store	MySQL (8 0 ercl-pupper ger. Cloud SSI	565.69 - L Yes	Modily Specifications Delete
	Type C last 5 Elastic Cloud Server Ngiriv 2 Image Syste 4006	JB) (Garce) pr 2 2 CAR c control (Sellindo B 2 Debit) 1 YearlyMonthy Monthy) m thic Second Purpose SSD 2	564.96 - 🖉 Yes	Modity Specifications Delete
	Type: 23 Jan 4. Elastic Cloud Server Ngiro: 1 Image Synthe 4006	:381 (Decensi computingsius) gez 2 -2 -Ch (1, 4-0) gez 2 - Ch (1, 4-0) e - Chrol (C - General 5 - 2 - Ch + 1 m C - Chemist Purpose 550) 5	554.96 - 🖉 Ves	Modify Specifications Delete
	Type: c3 lastic Cloud Server Service application n Image Synthe 4008	:361 (Decensi computingplus) gr.2 2 - CFU, 1 - 408 G. Carlos (Carlos 5 2 - 644) m. Dak. General Puscole 5 20 - 1 m. Dak. General Puscole 5 20 5	354.96 <i> ℓ</i> Yes	Modify Specifications Delete
	Type: c3 km 2 Elastic Cloud Server Service application 3 Image Syste 400B	.x81 (General computing plus) gr.2 (2 x CPU) 400 6 x chrols (Cencil S 2 x Geta 1 VearlyMonthly Monthly) m (bit: Cencel Puppos 550) 7	554.36 - L Yes	Modily Specifications Delete
	Type: CS las 1 Elastic Cloud Server Service application 2 Image	x86 (General consulting-plus) ge 2 (2 vCPUs) (468 e: CentOS CentOS 8 2 64bit 1 YearlyMonthly 1Month(s)		Modify Specifications Delete

2. After the solution is submitted, Huawei test engineers review the solution. If the solution passes the review, the solution design is complete. Otherwise, modify the solution based on the review comments and submit it again.

=	(ind)	Solution Management							
6	HaydnCSF	Create Using Template						Solution Name • Enter a solution	on name. Q C
-		Solution Name (Solution Version)	Source	Applicable Industries	Deployment Environment	Solution Phase ③ 🔽	Created By	Created	Operation
.00.	XX Compa	 xx solution (V1.0) 	Inside Haydn	Retail, Manufacturing	Huawei Cloud	Design completion	ye	Aug 24, 2023 16:45:45 GMT+	Edit More 💌
0	Workspace Anagement								
0	Solutions								
6	Members								
Ô	Reports								
4	To-Dos								
ø	Recycle								
8	Bins	<							
	Design Center								
	Verification . Center								

Figure 1-20 Completing the solution design

The review mainly checks whether the submitted materials meet the requirements, whether the integration architecture diagram is standard, and whether the deployment resource list is correct. To improve the review efficiency, perform self-check before submission.

Reviewing a Registration Solution

Huawei Cloud test engineers go to the to-do list and review the solution and architecture submitted by the partner.

Procedure

1. Huawei test engineers log in to the HaydnCSF console, click **To-Dos**, find the corresponding solution, and click **Handle** to review the solution.

Figure 1-21 To-Dos page



2. If the Huawei test engineers want to transfer the solution to other personnel to review, select **Transfer**. If the materials submitted by the partner do not meet the requirements, the engineers reject the solution to the partner for modification.

Applications suppor	CBR or CSBS cold backup.	•			
Applications use HS	s	O HSS is required on each cloud server.			
Applications use An	i-DDoS for traffic cleaning.	٥	The lest environment cars use The entry version, but the production environment must use the st		
Applications use W/	F standard edition.	The test environment can use the entry version, bit			
Applications use CE	H bastion hosts for unified O&M.	٥	On-premises bastion hosts are used. Resources are deployed on the client side without the need for CBH bastion ho		
Applications can pro	vide system logs and audit logs.	•	Operation logs, login logs, and system management logs are provided.		
< Solution Review		_			
< Solution Review					
Solution Review Review Result	Approve Reject Transfer				
< Solution Review Review Result Review Opinion	Approve Reject Transfer Please enter the processing description.				
C Solution Review Review Result Review Opinion	Approve Reject Transfer				
Solution Review Review Result Review Opinion	Againing Rejact Transfer				
Colution Review	Again Read Transfer		82,905		

Figure 1-22 Solution review page

1.2.4 Creating Test Requirements

After a solution is approved, a requirement is automatically created on the **Requirement Management** page. A partner test engineer can go to the workspace and choose **Requirements** in the navigation pane to edit the requirement or create a requirement. Tests on the function, performance, security, reliability, and integration are required for the Huawei Cloud certification test. For details about test requirements, see **Huawei Cloud Certification Test and Requirements**.

Procedure

1. Go to the requirement management page.

	Figure 1-23	Entry to	the requirement	management page
--	-------------	----------	-----------------	-----------------

(Trank	Req	uirement M	anagement					
HaydnCSF		Create					Test Requirement Name	Enter a requirement name. Q
			Test Requirement Name (?)	Solution Name 7	Requirement Phased (?)	Created by 7	Creating Time ↓	Operation
XX Compa		~	xx solution-Joint operations products	xx solution(V1.0)		ws. I	Aug 28, 2023 11:45:49 GMT+08:00	Edit Review More 👻
Workspace Management								
Design Center								
Verification . Center								
Requirements								
Plans								
Cases	<							
Resources								
Issues								

The following describes how to edit an automatically created requirement.

- 2. Edit the requirement information.
 - **Solution Name**: The name of the created solution is automatically associated.
 - Verification Process: Select a process based on the solution type.
 - Select the owner of the corresponding phase as shown in the following flowchart.

	Solution Information —	O Verification Policy ③	Test Requirements (4) Test Plan	
HaydnCSF	Solution Name	xx solution(V1.0)		
Compa	Verification Process	Joint Operations Certification	Customize Flowcharts	
Workspace Management	When the main handle	er of the test case design is Huawel, the automatic te	st cases generated using the requirement template canno	ot be used by partner users. X
Design Center		Create Workspace	 Design Solution 	Verify Solution Return joint venture report
Center Requirements	Partner project manager	commit Joint-Ope Seller center Members		
Cases <	Partner architect		Solution registration Solution design Solution management ys	
Issues Reports	Partner test engineer		[Test Coster and Test Coster an
	Huawei test engineer		Solution review	Test requirement r Test case review

Figure 1-24 Solution information page

3. Click Save and Next.

Figure 1-25 Verifying the policy 1

HaydnCSF	Tingarement Management / xx solution-Joint operations products Solution Internation • Weitlaction Policy Verification Policy • Text Requirements	
Management	Huarve Cloud Integration Architecture Colleges A	
Verification		
Center Requirements	xx solution(V1.0)	
Pans Cases Resources Isroes Reports		
		Thigh server Terreported

4. Select the corresponding deployment architecture information and the account of the corresponding resource provisioning process.

Cancel Save a

Figure 1-26 Verifying the policy 2

HaydnCSF	Huawei Cloud	Deployment Architecture Colla xx solution(V1.0)	ore < ⑦						
XX Compa I				xx sol	ution(V1.0)				
Workspace	No.	Cloud Service	Specifications	Quantity	Deployment Environ	Billing Mode	Required Duration	Total Price	Description
Management Design Center Verification	1	Service application 1	Type: x88 General computing-plus c3.large.2 2 vCPUs 4GB Image: CentOS CentOS 8.2 84bit System Disi: General Purpose SSD 40GB	1	Huawei Cloud	Yearly/Monthly	1 Month(s)	¥ 54.98	
Center Requirements	2	Service application 2	Type: x86 General computing-plus c3.large 2 2 vCPUs 4GB Image: CentOS CentOS 8 2 84bil System Disk: General Purpose SSD 40GB	1	Huawei Cloud	Yearly/Monthly	1 Month(s)	¥ 54.98	
Plans Cases	3	Service application 3	Type: x86 General computing-plus c3.large 2 2 vCPUs 4GB Image: CentOS CentOS & 2 64bt System Disk: General Purpose SSD 400B	1	Huawel Cloud	Yearly/Monthly	1 Month(s)	¥ 54.98	
Issues	4	Service application n	Type: x88 General computing-blus c3.large 2 2 vCPUs 4GB Image: CentOS CentOS 8 2 64bt System Disk: General Purpose SSD 40GB	1	Huawel Cloud	Yearly/Monthly	1 Month(s)	¥ 54.98	
	5	Ngino 1	Type: x86 General computing-plus c3.large.2 2 vCPUs 4G8 Image: CentOS CentOS & 2 64bt System Disi: General Purpose SSD 40G8	1	Huawei Cloud	YearlyiMonthly	1 Month(s)	¥ 54.98	
	6	Nginx 2	Type: x86 General computing-plus c3.large 2 2 vCPUs 4GB Image: CentOS CentOS & 2 64bit System Disk: General Purpose SSD 40GB	1	Huawei Cloud	YearlyiMonthiy	1 Month(s)	¥ 54.98	
	7	RDS for MySQL	Type: MySQL 8.0 Primary/Standby General-purpose 2vCPUs, 4 GB Storage: Cloud SSD 40GB	1	Huawei Cloud	Yearly/Monthly	1 Month(s)	¥ 83.69	
	8	Cloud Search Service	CPU Architecture: x86 Disk-Intensive	1	Huawei Cloud	Yearly/Monthly	1 Month(s)	¥ 1,001.28	
									Previous Save and

5. Click Save and Next.

Specify the requirement name, start and end time, and test requirement type. The subsequent test cases will be classified based on the requirement type. Test requirements can be loaded from a template, imported, and exported, and requirements and cases can be generated in wizard mode.

- Test Requirement Name: This value is user-defined.
- **Requirement Start and End Date**: Specify the start and end date.
- Load Template: Load a requirement template to generate test requirements in one-click.
- **Wizard** (recommended): Quickly create requirements and generate corresponding function, integration, and reliability cases.

Figure 1-27 Test requirements

	Risgumment Management / xx solution-Joint operations products Solution Information	
HaydhCSF	Test Requirements	
XX Compa	+ Test Requirement Name vs salutes-Jaret operations products X	
Workspace Management	* Regularment Start and End Data Avg 20, 2023 – 549 20, 2021	
Design Center		
Verification	Load Templete Witzerd Export Test Requirement Import Test Requirement	
Requirements	No. • Test Requirement Type • Test Requirement Description Tag Operation	
Plans	😑 1 - Speciel-	
Cases	04.000 0.04	
Resources	Add	
Issues		
Reports	Attuchments Upload Attuchment	
	Max, algachments, R. Max, algachments, R. Max, and and algachments, R. Max, and A. Bart, Ador, doc, vin, vinx, pdf.	
	Ensure that the attachment does not contain non-palie information assets (including but not initiated to key source code, and full set of product/pathem source code), and the set both that is not individual to the set of the source for the source code, source code, that set of product/pathem source code).	
	contract of lands area that an advances of our right names, who reveal strategypter nees.	
		Ā
	Previous Save and Nod	

Wizard

1. Click **Wizard** and click **Download Function Cases Template** in the displayed dialog box.

Figure 1-28 Wizard

	Requirement Management / 🗴	solution-Joint operations products			
	Solution Information -	Verification Policy 3 Te	st Requirements (4) Test Plan		
HaydnCSF	Test Requirements		Wizard		×
XX Compa	* Test Requirement Name	xx solution-Joint operations products		_	
Workspace Management	* Requirement Start and E	End Date Start Date - End Date	Generating FunctionCases	(2) Generating Reliability Cases	(3) Generating Integration Cases
Design Center	Load Template	Wizard Export Test Requirement Imped	Function Cases Upload Download Function Cases Tempi	iato	
Requirements	No. * Test Requ	irement Type * Test Requir	Max 1 xis or xisx file not exceed Ensure that the attachment does	ting 50 MB and contain non-oublic information assets (including but not limited to key source code. Builty code :	and full set of product/blatform source code), software or
Plans	= 1 -Select-	▼ Enter at leas	tools that are not authorized by th	he right holder, and RMS encrypted files.	
Cases Resources				Next Cancel	
Issues					
Reports	Attachments	Upload Attachment Max. attachments: 4; Attachment format: zip, rar, tar, ppt, ppb;, doc, d Attachment ster: 50 MB.	ocx, .xls, .xlsx, .pdf;		
		Ensure that the attachment does not contain non-put	blic information assets (including but not limited to key source	e code, faulty code, and full set of product/platform source code),	
		soloware or tools that are not authorized by the right	nonder, and Kwis encrypted lifes.		
					<u>••</u>
					Previous Save and Next

2. Open the downloaded function case template and complete the table information based on the template requirements.

Figure 1-29 Function case template

A	2 * 1 × √ £ F	load system										v
4	A	в	с	D	E	F	G	н	1	j	к	2
1	Product	Solution Module	Level-1 Function	Level-2 Function	Feature Description	Huawei Public Cloud	Huawei Cloud Stack	Huawei Cloud Stack Online	Intelligent EdgeSite	Test Case Priority	Prerequisites	D
2	Road system	Road navigation	Walking navigation	Walking navigation	Complete walking navigation on the park map.	v						
3	Road system	Road navigation	Walking simulation navigation	Walking navigation	Complete walking simulation navigation on the park map.	v						
4	Road system	Road navigation	Vehicle navigation	Walking navigation	Complete vehicle navigation on the campus map.	v						
					Complete walking or vehicle simulation navigation on the							
5	Road system	Road navigation	Analog navigation	Walking navigation	campus map.	V						-
7	Description of the function list of partners with joint certification: 1. Functions are described to the botton function level and briefly describe the button functions and features: 1. The deployment environment base is marked with (1) for confirmation. You can select at least one item.) 3. Items marked in red are mandatory. A The description is deleted during uploading.											

3. After filling in the template, click **Upload** to upload the template and click **Next**.



(Invo)	Requirement Management / xx solution-Joint operations products Solution Information Solution Policy	Test Requirements ④ Test Plan		
HaydnCSF	Test Requirements	Wizard		×
XX Compa	Tort Requirement Name x solution-Joint operations products x Requirement Start and End Date Start Date — End Date	Generating FunctionCases	(2) Generating Relability Cases	(3) Generating Integration Cases
Verification Center	Load Tempiate Wizard Export Test Requirement Imp No. * Test Requirement Type * Test Req	Function Cases Upload Function List Template view Gui Download Function Cases Template	•	ŵ
Plans Cases	= 1 Enter at la	Max 1 .xts or .xtsx file not exceedin eas Ensure that the attachment does n tools that are not authorized by the	g 50 MB of contain non-public information assets (including but not limited to key source code, faulty code right holder, and RMS encrypted files.	, and full set of productiplatform source code), software or
Resources			Next Cancel	
Reports	Altachments Upped Altachment Max stachment 4 Altachment formal op, rar, tar, ppt, ppt, doc Altachment formal op, so Alta opt, ppt, doc Altachment formal op, so Alta	, docx, xis, xisx, pdf, -public information assets (including but not imited to key source in -builder and Other assets)	code, faulty code, and full set of product/splatform source code).	
	under af bolt hat de not aufforded by the n	printenen, and reva fina point		8 9
				Previous Save and Next

- 4. Confirm reliability-related cloud services.
 - **gPaaS & AI DaaS Services**: HaydnCSF automatically synchronizes the cloud service type used in the architecture diagram.
 - **Self-built service**: Select a self-built service. **Nginx** is used as an example.

Figure 1-31 Generating reliability cases

	Requirement Management / xx solution Joint operations products Solution Information Solution Policy Image: The solution of the soluti	nt Requirements () Tert Plan	
Haydnush	Test Requirements	Wizard	×
XX Compa I	* Test Requirement Name x solution-Joint operations products * Requirement Start and End Date Start Date — End Date	Orderstating Function Orderstating Cases Reliability Cases	3 Generating Integration Cases
Design Center Verification Center	Load Template Wizard Export Test Requirement Impo	* Delivery Mode Saas	
Requirements	No. * Test Requirement Type * Test Requ	Reliability ⑦ Medium Level	
Plans Cases Resources	= 1 -Select-	9PusS & A/l + DauS Services	
Issues Reports	Allachments Upload Atlachment Max, atlachments 4, Atlachment format, zip, rar, tar, ppt, ppt, doc, , Atlachment taxe, 50 MB	Self built service Ngmc	
	Ensue had he aductment den not contain many solkware of toot that are not authorized by the right	die information anexis (including but not limited to lary source code, faulty code, and full and of productipatitions source code).	a
			Previous Save and Next

5. Click **Next**. HaydnCSF automatically generates integration test cases based on the used advanced cloud services.

Figure 1-32	Generating	integration	cases
-------------	------------	-------------	-------

rkspace 🗸	Test Requireme	WIZdi	1														
nagement sign Center	* Test Requiremen	\odot	Generating Function Cases				⊘	Generating Reliat Cases	ility				Generating Integration Co	ases			
iffication 🔺	* Requirement Sta	0	Modify the placehold	ir data in the case		×											
Requirements	Load Template	No.	Case Name	* Case D	* Prereq	* Test Pr	* Expect	* Test Pr	* Expect	* Test Pr	* Expect	* Test Pr	* Expect	Opera			
Plans	No. * Te:	1	Verify the integ	Reference:	Reference:	You have	The cloud	Go to the x	The xxx ba	Enter the n	The syste	Save the n	Check wh	~		Operation	
Cases		2	Verify the integ	Reference:	Reference:	You have	The cloud	Go to the x	The xxx ba	Enter the n	The syste	Save the n	Check wh	~	otional		
Resources N	= 1	3	Verify the integ	Reference:	Reference:	You have	The cloud	Go to the x	The xxx ba	Enter the n	The syste	Save the n	Check wh	~		Insert Up Delete	
Reports		4	Verify the integ	Reference	Reference:	You have	The cloud	Go to the x	The xxx ba	Enter the n	The syste	Save the n	Check wh	~			
		5	Verify the integ	Reference:	Reference:	You have	The cloud	Go to the x	The xxx ba	Enter the n	The syste	Save the n	Check wh	~			
	Attachments	6	Verify the integ	Reference:	Reference	You have	The cloud	Go to the $\times \dots$	The xxx ba	Enter the n	The syste	Save the n	Check wh	~			
							ОК	Previous	Cancel					-			
									Canot.								

6. Click the drop-down button in the **Operation** column, modify the placeholder content of the case content, and click **OK**.

Figure 1-33 Editing integration cases

Compa		Wizard									>	<		
Workspace Management Design Center	Test Requireme * Test Requiremen * Requirement Sta	Generating Functi Cases	ion		Ger Cas	nerating Reliability				Generating Integration	Cases			
Center		Modify the placeh	older data in the case.	×										
Requirements	Load Template	No. * Case Name	* Case D * Prereq	* Test Pr	* Expect	* Test Pr * Expect	* Test Pr	* Expect	* Test Pr	* Expect	Ope			
Plans	No. * Te	1 Verify the integ	Reference: Reference:	You have	The cloud	Go to the x The xxx ba	Enter the n	The syste	Save the n	Check wh	~0		Operation	
Resources <	∃ 1Se	* Case Name	Verify the integration between th HUAWEI CLOUD RDS(for MySC	EXXX module, XXX s L) cloud service.	ystem, and	* Case Description	Reference: requiremen service flow standard of	This document d it, and test case in and data flow de the verification to	lescribes the solut lame. The source escription, and res rail must be descri	ion scenario, data source det ult verification ibed in detail. Te	alis, mplate:	ptional.	Insert Up Delete	
Reports		* Prerequisites	Reference: The prerequisites for test case are required. Generally involved, including cloud resource name, database name, and perm	executing the integral resource preparation e information (such as ission name), platforr	tion verification n information is s the instance m information									
	Attachments	★ Test Procedure1	You have purchased the RDS(for RDS(for MySQL) cloud service of	MySQL) cloud servic onsole to view the clo	ce. Click the ud service.	* Expected Result1	The cloud s system.	service has been	enabled and inter	connected with I	he			
		* Test Procedure2	Go to the xxx backpround offerin	a list and click Add.		* Expected Result2	The xxx bar	ckaround is displa	aved. The page fo	r adding an offe	rina list is			
					ОК Р	revious Cancel								

7. Requirements and test cases are successfully created using the wizard mode.

Figure 1-34 Loading requirements

HaydnCSF⊘	Requirement Management / xx solution(V1.0) Joint operations product certification test requirement		Joint operations test requirements and cases are auto- generated,
XX Compa	Test Requirements		
Management	Test Requirement Name xx solution(V1.0)-Joint operations product certification ×		
Design Center	* Requirement Start and End Date Start Date - End Date		
Center			
Plans	Load Template Wizard Export Test Requirement Import Test Requirement		
Cases	No. * Test Requirement Type * Test Requirement Description	Tag	Operation
Resources <	1 Function Test Completed the function test of the Road system solution. Th navigation), 4 level-1 sub-functions, and 4 level-2 sub-function findings, (1) The samelia let classes must correspond to the &	a Road system solution contains 1 functional modules (Road one. The requirements for function test and certification are as unificin list. and 100% of the test cases must cover the level-2	ion Test Insert Up More +
Issues Reports		545(4,000	21/64
Toporo	2 Function Test Test Function Test Test Test sovice control of the system. The sets requirements are 1. A notification is sent when the license is about to expire. 2. The system is unavailable when the license expires.	as follows:	20/44
	To ensure the stable and reliable running of the product on t	he customer's live network and improve customer satisfaction, the Maintainability	vTest
	S Function Test V basic maintainability test is performed on the product.	1824,000	20/64
	4 Integration Test	Ivity tests on integration paths of HUAWEI CLOUD services I forus in core service scenarios and dependent HUAWEI CLOUD , I thenarion test cases need to Adeisined to cover all involved.	st Insert Up More 💌
		401/4,000	16/64
	Reliability Test Reliability Test Point Point	. test requirements, complete reliability tests such as data HA, at each fault point.	Insert Up More +
	L	2064,000	100.04
			Previous Save and Next

 After the test requirement phase is complete, click Save and Next.
 Click Add to complete the plan. You can also click Load Template or Import Test Plan to generate a test plan.

Figure 1-35 Generating test plans

HaydriCSF KX Compa	Requ	irement Ma Solution Test Plan * Test Plan * Planned ! * Work Tas	Managament / xx solution Joint operations products tain Information	
Requirements Plans Cases Resources Issues Reports	<	Load Ter No.	Tampati Import Tampati + Work Bane Name Work Bane Description + Start and End Date + Owner Related Process Banes + Work Bane States Operation Service function bet Macdate Met of the x Start and End Date + Owner Import Tampation Train Case execution + Work Bane States Operation Service function bet Macdate Met of the x Start and End Date + Owner Import Tampation Train Case execution + Work Bane States Operation 201728 Services + Owner Import Tampation Train Case execution + Work Bane States Operation	
		Email Se	See 15 O	

9. After a test plan is created, you can click **Previous** to edit the previous content. You can also click **Save** to archive the edited content for future editing.

Figure 1-36 Submitting the requirement for review

	Requirement Management / xx solution-Joint operations products Obdition Information ·························	
HaydnCSF	Test Plan	
XX Compa	Test Plan Name x solution-Joint operators products-Test Plan X	
Workspace Management	• Planned Start and End Date Aug 28, 2023 – Sep 28, 2023	
Design Center	* Work Test Desitoren	
Verification Center	Lost Template Import Test Plan	
Plans	No. + Work Item Name Work Item Description + Start and End Date + Owner 🕐 Related Process Items + Work Item Status Operation	
Cases Resources	< t 1 Service function text 2011/0 Service uncode text 4 Service 1	
Reports	© Add	
	Email Sensi To 🕐 y y y y	
	Providus Same Salam	

10. Click **Submit** to submit the requirement to Huawei test engineers for review.

Figure 1-37 Submitting the test requirement

(Trans	Requ	uirement N	lanagement				Se Use	r w generates a requirement review to-do	×
HaydnCSF		Create					Test Ro	, you can and the report on the requirement sagement page and review it.	
			Test Requirement Name	Solution Name 7	Requirement Phased (2)	Created by 🐺	Creating Time JE	mission succeeded.	
XX Compa		×	xx solution-Joint operations products	:xx solution(V1.0)	Design test case y Subscribe to test resource ye Execute test case yo Review test requirem	w	Aug 28, 2023 11:45:49 GMT+08:00	Edit Review More 🗸	
Design Center Verification Plans Cases Resources Issues Reports	<								

1. Wizard: allows you to quickly import function, reliability, and integration cases.

2. **Test Plan**: You need to clarify the plan time and owner of each phase and submit the plan to Huawei test engineers for review.

Reviewing Test Requirements

Huawei Cloud test engineers review test requirements submitted by partners and assign a partner test engineer as the case designer to import and edit test cases.

Figure 1-38 Reviewing test requirements

Verdia Registments Review Regist Taste Parts Cases Results Penterenter the processing descrution Resources Cases Cases Rosones Cases Cases <													
Parts Remains Parts ender the processing discription. Coreer 02.000 Resonance 02.000 Resonance 00.0000 Resonance 00.0000 Resonance 00.0000 Resonance 00.0000 Resonance 00.00000 Resonance 00.00000 Resonance 00.00000 Resonance 00.000000 Resonance 00.000000	Verification Center		Requirements Review	Approve	Reject Tr	ansfer							
Process Record Process Record Description Description	Plans Cases Resources	<	Remarks	Please enter the process	sing description.			0/	2,000				
Phase Operated By Operated Review Result Description Test requirement roview Crigons Crigons Image: Crigons Image: Crigons Test case design Crigons Crigons Image: Crigons Image: Crigons Image: Crigons Test case design Crigons Crigons Image: Crigons Image: Crigons Image: Crigons Test case design Crigons Crigons Image: Crigons Image: Crigons Image: Crigons Test case design Crigons Crigons Image: Crigons Image: Crigons Image: Crigons Test case design V Aug 28, 2023 18:52:5 GMT+08:09 Completed Image: Crigons Image: Crigons	Issues Reports		Process Record										
Fest requirement review Chigong Test resource subscription Ongoing Test resource design Ongoing Test resource subscription Ongoing Test resource subscription Ongoing Test resource subscription Ongoing Test resource subscription Ongoing Test requirement submission Aug 28, 2023 18,523 cbMT-68 20			Phase		Operated By		Operated		Review Result	Description			
Text resource subordition Ongoing Text case design Ongoing			Test requirement review		v				Ongoing				
Test case design > Ongoing Test case design > Ongoing Test requirement submission > Aug 28, 2023 16:52:35 GMT+88:00			Test resource subscription		у – О				Ongoing				E
Test case encodion > Originary Test requirement submission > Aug 28, 2023 16:52:35 GMT+88 00 Completed			Test case design		у				Ongoing				Ā
Test requirement submission y Aug 20, 2023 16 52:35 GMT-108:00 Completed			Test case execution		у 1				Ongoing				
			Test requirement submission	1	у		Aug 28, 2023 16:52:35 GMT+	00.80	Completed				
											Cancel	Suba	-

1.2.5 Designing Test Cases

A partner test engineer goes to the to-do list and handles the test case design items. Click the test case management module to create and import test cases. After the test cases are created, submit them to Huawei test engineers for review.

Procedure

1. Click **To-Dos** and click **Handle** in the row containing the target item.

Figure 1-39 Handling a test case

☐ HaydnCSF ⑦		Homepage Workspac	s To-Dos	Operations Center		Documentati	ion User Guide Current workb	ench Solution design
	My To-Dos	3			My Applications	2		
	Completed 4	Total 7			Completed 3		Total 5	
						We	xkspace v Enter a	workspace name. Q
Workspace	Service Name	To-Do	8	Created ↓≣		Retention Duration 1	Operation	
XX Company - XX Solution - As	sociated Commodity C xx solution-Joint operat	ions products Test re	source subscription	Aug 28, 2023 16:52:3	4 GMT+08:00	16 hours and 57 minutes	s Handle Yew Handling	History
XX Company - XX Solution - As	sociated Commodity C xx solution-Joint operat	ions products Test c	se design	Aug 28, 2023 16:52:3	4 GMT+08:00	16 hours and 57 minutes	s Handle View Handling	History

2. Click **Function Test**. The test cases in the following figure are generated by using the **Wizard** mode.

Figure 1-40 Case management page

x Compa	Test Requirements Custom Cases	Manual Tex® Derformance Automation Case 6	verview Dervrie Rin	Workhe	how
Workspace Management	You can enter a requirement name, sol	Create Import More •		Case Name v Enter a case name. Q C	8
Design Center	- + xx solution(V1.0)-Joint operations IN	No. Case Name	Case Type \overline{V} Requirement Review Status \overline{V} E	ixecution Sta 😨 Text Result 😨 Created by 😨 Recent Perfor Operation	
Center *	Function Test Service Function Test Comple	2 Watting simulation navigation Watting	Punction Test Completed line Prending review	Pending Edit Execute Mo Pending Edit Execute Mo	tore +
Plana	Service Control Test Test servi	3 Vehicle nevigation-Walking nevigation	Punction Test Completed line Pending review	Prending Edit Execute Mo	tore 👻
Resources <	Integration Test Relability Test	Analog navigation-Walking navigation	Function Test Completed the Pending review	Pending Edit Execute Mo	lore 👻
Issues	Security Test Reformance Test	-			
Reports					
					?
					6-0
					C8
			Transfer Case to Other for Design Chan	rge Case Designer Change Case Executor Report Preview Submit Case Design	

NOTICE

To add a case designer, click **Change Case Designer** in the lower right corner of the case management page. (Prerequisite: The handler to be added must be in this workspace.)

In addition to the **Wizard** mode, you can also use either of the two methods to create cases.

Method 1: Importing Cases Using a Template

Creating test cases by importing a test case template is mainly used for function test cases.

Procedure

- 1. Download a function test case template. Each test requirement requires a case template. The requirements and description of each test case must be the same as those automatically generated by the template.
- 2. Compile test cases in the test case template, and then click **Select File** to upload the test cases.
- 3. Click **Import** to import function test cases using the test case template.

Figure 1-41 Importing function cases 1

or company and	Test Requirements Custom Cases	Manual Tes	Performance Automation Case O	verview Recycl	e Bin							Vorkflow History
Workspace Management	You can enter a requirement name, sol	Create	mport More +					Case Name	Ψ	Enter a case name.	a	CO
Design Center		No.	Case Name	Case Type 📅	Requirement	Review Status 😨	Execution Sta 😨	Test Result 😨	Created by 😨	Recent Perfor	Operation	
Verification +			Walking navigation-Walking navigation	Function Test	Completed the	 Pending review 	Pending				Edt Executi	e i More +
Requirements	Service Function Test Comple		Waking simulation navigation-Waking	Function Test	Completed the	Pending review	Pending				Edt Execute	ie More +
Plano	Service Control Test Test pervi		Vehicle navigation-Walking navigation	Function Test	Completed the	 Pending review 	Pending				Edt Execute	ie i More +
Cases	Integration Test	2	Analog navigation-Walking navigation	Punction Test	Completed the	Pending review	Pending				Edit Execute	o I More +
Resources <	+ Reliability Test	*										
Issues .	Security Test Performance Test											
Reports	+ e xx solution-Joint operations produ 🔤											
												(7
												Trefs
												6-

- 4. Click Import. The Import Case dialog box is displayed.
 - **Check for identical names**: The name of a test case must be unique. This option is selected by default.
 - **Download Case Template**: To import cases successfully, use the downloaded template.

- **Select File**: After completing the case template, select the case template file and import the test cases written in the file.

Figure 1-42	Importing	function	cases 2
-------------	-----------	----------	---------

(interest		Case N	lanage	ment								
HaydnCSF		Manua	Tes	P	erformance Automation Case Overview	Recycle Bin					-	
XX Compa		Crea	te	Im	port More 💌			Case Name	¥.	Enter a case name.	Q His	story
Workspace Management	-		No		Case Name		Case	Import Case	×	Recent Performer	Operatio	on
Design Center				1	Walking navigation-Walking navigation		Func				Edit Mo	ore 💌
Verification				2	Walking simulation navigation-Walking navigation		Func	File Import			Edit Ma	ore 💌
Center				3	Vehicle navigation-Walking navigation		Func	If you want to import the file format update test case, note that if the test case already has execution results, the actual results of the modified best case will be reset			Edit Ma	ore 🕶
Plans	3			4	Analog navigation-Walking navigation		Func	Check for identical names ⑦			Edit Ma	ore 💌
Cases								Select File The file format needs to be filled in according to the template Download Case Template				
Resources		>						Ensure that the attachment does not contain non-public information assets (including but not limited to key source code, faulty code, and full set o product/publicm source code), software or tools that are not authorized by the right holder, and RMS encrypted files.	a a			
Issues												
Reports								Close				

Method 2: Creating a Test Case

1. Click **Create**.

Figure 1-43 Creating a test case

HaydnCSF	Case Management	~ ~
xx Compa	Test Requirements Custom Cases Manual Test® Performance Automation Case Overview Recycle Din	
Workspace - Management -	Vol can white it representation and Carlos moort Area - Errer a care name	
Design Center	No. Cese Name Case Type 🐺 Requirement Review Status 🐺 Execution Sta 🐺 Test Result 🐺 Created by 🐺 Recent Perfor Operation	
Verification .	O xs subtent/10 by-lent equesters (m) O F indiang analyzition Yushing nangzition	• •
Requirements	🗈 Service Function Test Comple 📄 🚊 2 Walking simulation nuvigation-Walking Function Test Completed the In Prending review In Pending Review International Sector Secto	10 w 01
Plans	Discussion that Test leave and a state of the test leave and the test leave and the test leave and the test leave and the test leaves and	• •
Cases	Integration Test C Analog navgation - Walking navgation - Walking navgation Walking navgation - Walking navg	- 0
Resources	< a Relationty test #	
Issues	Security Test	
Reports	Performance Test	
	A contrant-stem operation in the state of	
		0
		help
		9
		05
	Transfer Cate to Other for Design Change Case Designer Change Case Executor Hepliti Preview Butent Case Designer	

- 2. Input the case information.
 - **Requirement Description**: Create a case under the corresponding requirement.
 - Case Name: name of a test case. The format is xx (level-1 function name)-xx (level-2 function name)-xx (button name).
 - Deployment Environment: Only the deployment environment specified during solution creation can be selected from the drop-down list.
 - **Priority**: Select **High**, **Medium**, or **Low** from the drop-down list box.
 - Description: Describe the case. This parameter is optional.
 - **Prerequisites**: Enter the previous steps for executing the case.
 - **Step Description**: Enter the test procedure of the case.
 - **Expected Result**: Enter the expected result of the corresponding step.
 - Add: If there are many test steps, click Add to add steps and expected results.
 - Attachments: optional.

HaydnCSF	Case Management New	r Cases X					~
XX Compa	Basic Information						
Workspace Management	Requirement	xx solution(V1.0)-Joint operations product requirement		★ Сазе Туре	Function Test		
Design Center	* Requirement Description	Function Test Completed the function test of the Road system solution. The Road system	tem solution contains 1 functi +	* Case Name	Function Test-Service Function Test-New		
Verification A Center	* Deployment Environment	Hussvei Cloud	•	* Priority	Medium		*
Requirements	Description	This use case demonstrates how to create a test case using the New feature.					
Cases							77/1,000
Resources	Prerequisites	Log in to the Haydn platform, access the space of the xx solution, and choose Case M	anagement > Function Test > Service Function Test.				
Reports							135/2,000
	Test Procedure ③						
	No. *	Step Description 🛞	* Expected Re	sult		Operation	
	∃ 1	Click New to complete the test case information and procedure.	64/2,010	is created successfully.		Insert Up Delete	
	Atlachments () Atlachment Max, atta Max, atta Atlachme	tead	⊙ Add]			Prop. Co.
	Ensure th	hat the attachment does not contain non-public information assets (including but not limited	to key source code, faulty code, and full set of productiplatfor	m source code), software or t	tools that are not authorized by the right holder, and RMS of	ancrypted files.	_

Figure 1-44 Inputting the case information

3. Click OK.

Figure 1-45 Successful creation

HaydnCSF	Case Management							Created succ	oostully.		×
XX Compa	Test Requirements Custom Cases	Manual Test Performance Automation Case Overview	Recycle Bin							Workfor	7
Management -	You can enter a requirement name, solution n: Q	Create Import More +					Case Nam		Enter a caso name.	QC	8
Design Center		No. Case Name	Case Type 👕	Requirement De	Review Status 12	Execution Status 🐨	Test Result 🐨	Created by 🐨	Recent Performer	Operation	
Verification A		1 Walking navigation. Walking navigation	Punction Test	Completed the No	Pending review	• Pending				Edit Execute Mo	- **
Requirements	Service Function Test Completed the	2 Walking simulation navigation-Walking navigation	Function Test	Completed the fu	Pending review	Pending				Edit Execute Mo	ore +
Plana	Service Control Test Test service cont Manufamability Test To ensure the stat	3 Vehicle navgation. Viabling navgation	Punction Test	Completed the N	 Pending review 	Pending				Refit Researche Ma	- 440
Cases	+ Integration Test	4 Analog navigation-Walking navigation	Function Test	Completed the fu	Pending review	Pending				Edit Execute Mo	ore v
Resources	Reliability Test Security Test	S Function Test-Genvice Function Test-New	Function Test	Completed the fu	 Pending review 	 Pending 				Edit Execute Mo	ore -
Reports	 Performance Yeal a scalable Joint specificities probability 	•)									(B) 20
				Trans	fer Case to Other for Deeig	n Change Case De	signer Change Co	ee Executor	Report Preview	Submit Cana Design	

Editing a Performance Case

The names and descriptions of automatically generated performance test cases need to be modified based on the product pressure test scenario.

1. Click **Edit** to edit the case content.

Figure 1-46 Editing a performance case 1

HaydnOSF	Case Management			~
XX Compa	Test Requirements Custom Cases	Manual Test Performance Automation® Case Overview	Recycle Bin	Workflow
Workspace • Management	You can enter a mourreneet name, solution is	Create View Indicator Parameters More +		Case Name + Enter a case name. Q. C
Design Center		No. Case Name	Case Type 🖓 Requirement Do Review Status 🖓 Execution Status 🖓 Test Result 🖓	Created by 😨 Recent Performer Operation
Verification .	e xx solution(v1.0)-Joint operations produc Function Test	1 Xugfundion_Pressure	Performance Test Select Tiree to tv Pending review Pending	Ridt Roscate More +
Requirements	integration Test	2 zon_Punction_Pressure	Performance Test Select Bree to fiv Painding raview Perioding	Edit Everyte : More +
Piero		3 xcoc_Function_Pressur	Performance Teat Select three to fiv • Pending review • Pending	Edit Execute More -
Cases	Performance Test	4 In Discussion	Performance Test Zeleci a hyteril se • Pending review • Pending	Edd Rescale Mare +
Resources	Pressure lesi far lasis function points Pressure test in future congress	K S Multerante	Performance Test Zetect a hybrid se • Pending review • Pending	Edd Execute Mare v
Garante	Comprehensive service fatigue test 5	5 F 6 Falgue_Test	Performance Test Select a scenario Pending review Pending	Edit Execute More +
				(B) = Q 3
			Transfer Case to Other for Design Change Case Designer Chan	or Case Executor Report Preview Solerel Case Device

- 2. Modify the placeholder data in the case name and description. You only need to modify the case name and description.
 - **Case Name**: Use the name of the scenario API to be tested.

Description: Change the number of concurrent requests. The following figure uses 50 as an example (the number of concurrent requests is evaluated based on the specifications of the selected cloud service) and the name of the scenario API to be tested.

Figure 1-47 Editing a performance case 2

HaydnCSF⊘	Case Management Edit	Case-Fatig ×					~
XX Compa	Basic Information						
Workspace + Management	Requirement	xx solution(V1.0)-Joint operations product requirement		* Case Type	Performance Test		
Design Center	* Requirement Description	Performance Test Select a scenario to perform a fatigue pressure	e test (4 to 6 hours). The service metric requireme	Case No.	TC2023100701119		
Verification . Center	* Case Name	Add_Cart_Fatigue_Test		* Deployment Environment	Huzwei Cloud		
Requirements	* Priority	Medium	¥				
Plans	Description	Adding a shopping cart Service Faligue Test 50 users concurrent	ly use Adding a shopping cart service for 4 hours.				
Cases							
Resources						1	15/1,000
Reports	Prerequisites	The CES Agent has been installed on the ECS where the service	is deployed.				
							74/2,000
	Test Procedure						
	CPTS Cases ⑦	Status	Expected Result (7)	Sync Execution Result Synchronize Co	odeArts Perf Consume VUM	Operation	
	Falique Test	Pending execution	Success Rate (%) >= 99.80 RT (ms) <= 3.000.00			Edit Script	0
	Manual Test Procedure	D					help
	No. *	Step Description (?)		* Expected Result		Operation	CS
	≣ 1	Use Huavei Cloud CPTS to complie a script. After the script is debugg	ped, perform a GPTS pressure lest and view the test report. $$\sspace{-5}$$	Average response time x3s; success rate $\gtrsim 9$	3.8%	Insert Up Delete	
						Cancel Save	ок

3. The performance test case is edited. The performance test case name in the following figure is only for reference. Select the actual pressure test scenario name based on your system functions.



HaydnCSF		Case	Management												\sim
CX Compa			Test Requirements	Custom Cases	Manual Te	м	Performance Automation	Recycle Bin						Work	\$flow ebory
Management				nt name, solution n: Q	Create		Anv Indicator Parameters More v					Case Name	Enter a case r	same. Q	C
Design Center			-			No.	Case Name	Сане Туре 🖓	Requirement De	Review Status 🖓	Execution Status T/ Test Result T/	Created by 🐺	Recent Performer	Operation	
Verification .			Exception(V1.03-38 Exception(V1.03-38	ent operations produce		1	xx_Punction_Pressure	Performance Test	Select three to fiv	Pending review	Pending			Edit Execute I	More v
Requirements			+ Integration Test			2	xxx_Punction_Pressure	Performance Test	Select three to fiv	Pending review	Pending			Edit Execute 1	More +
Plane			Plekability Test Security Test			э	xccc_Punction_Pressur	Performance Teat	Select three to fiv	Pending review	 Pending 			Edit Execute I	More +
Cases			Performance Test			4	In_De_cc_Doesano	Performance Test	Select a hybrid se	 Pending review 	· Pending			Bill Doesstell	Mare +
Presources		Ŧ	 xx setution-Jest op 	erations products [57]			In_the_coc_Roenano	Performance Test	Select a hybrid se	Pending review	· Pending			Ball Boscule 7	More +
Issues	<				÷ 🗆		Ash_Cart_Palgor_Test	Performance Test	Release a scenario	Pending review	· Panding			Ball Bornade 7	Mare +
															 ● 2 (0) 2 (0) 2 (0) 2 (0) 3 (0) 3 (0) 3 (0) 4 (
									Transf	er Case to Other for Design	Change Case Designer Cr	ange Case Executor	Report Preview	Submit Case Desig	20

Editing a Reliability Case

Currently, the imported case template contains all cases. The types of cloud services used by each partner are different. Therefore, you need to delete the cases that are not involved. (To avoid deletion by mistake, confirm with Huawei test engineers first.) If the cases to be executed are not in the case template, you can also create reliability cases.

The following figure shows the reliability test cases generated by using the **Wizard** mode.

5		5		,	5				
HaydnCSF⊜	Case Management								~
XX Compa	Test Requirements Custom Cases	Manual Tes Performance Automation Case Overview	Recycle Bin						Workflow History
Workspace * Management	You can enter a requirement name, solution n: Q	Create Import More +					Case Name	Enter a case na	m. Q C @
Design Center		No. Case Name	Case Type 🍞	Requirement De	Review Status 🖓	Execution Status 😨 Test Res	uit 🎖 Cre	eated by 🚏 Recent Perform	ner Operation
Verification * Center	wx solution(V1.0)-Joint operations produc Punction Test	📄 📄 1 Cluster HA Mechanism Check	Reliability Test	Deploy the HA tes	Pending review	Pending			Edit Execute More +
Requirements	+ Integration Test	2 Data HA Check	Reliability Test	Deploy the HA tea	Pending review	Pending			Edit Execute More +
Plans	Reliability Test Reliability Test Deploy the HA test en	3 Database Cold Backup Check	Reliability Test	Deploy the HA tes	Pending review	Pending			Edit Execute More +
Cases	+ Security Test	4 DCS for Redis HA Check	Reliability Test	Deploy the HA tes	Pending review	Pending			Edit Execute More +
Resources	Performance Test ex solution-Joint operations products	CSS HA Check	Reliability Test	Deploy the HA tes	• Pending review	Pending			Edit Execute More +
133963	<	F G Host Security Service (HSS) Check	Reliability Test	Deploy the HA tes	Pending review	Pending			Edit Execute More +
Reports		T Anti-DDoS Check	Reliability Test	Deploy the HA tes	• Pending review	Pending			Edit Execute More +
		B Web Application Firewall (WAF) Check	Reliability Test	Deploy the HA tes	Pending review	Pending			Edit Execute More +
		9 Cloud Bastion Host (CBH) Check	Reliability Test	Deploy the HA tes	Pending review	Pending			Edit Execute More +
		10 System OSM Log Check	Reliability Test	Deploy the HA tes	Pending review	Pending			Edit Execute More +
		10 • Total Records: 17 < 1 2 >							
									(?
									help
									Q.
				Transfe	er Case to Other for Desig	n Change Case Designer	Change Case Ex	recutor Report Preview	Submit Case Design

Figure 1-49 Reliability test cases generated by using the Wizard mode

Editing an Integration Test Case

Currently, only one template integration case is imported for reference. The types of cloud services used by each partner are different, and the number of cloud services that require integration tests is also different. You are advised to contact Huawei test engineers to determine the cloud services that require integration tests.

The following table lists the integration test cases generated by using the **Wizard** mode. You can click **Edit** to modify the case name and placeholder data.

Market Text Dragmands Case Dragmands	ydnCSF(A)	Case Management						
1 1 </th <th>Sompo</th> <th>Test Requirements Custom Cases</th> <th>Manual Tes Performance Automation Case Overview</th> <th>Recycle Bin</th> <th></th> <th></th> <th></th> <th>Work</th>	Sompo	Test Requirements Custom Cases	Manual Tes Performance Automation Case Overview	Recycle Bin				Work
Control of a second secon	Jorkspace . Ionagement	You can enter a requirement name, solution n: Q	Greate Import More v			Case Name	Enter a case norme.	Q C
 I Dente M I Dente M	esign Center	📼 👄 xx solution(V1.0).Joint operations produce 💿	No. Case Name	Case Type 😨 Requirement De	Review Status T Execution Status T	Test Result 🏆 Cr	vested by "2" Recent Performer	Operation
Image: Second	and an	Function Test	Verify the integration between the XXX module, XX	Interpretion Text	Product (State) Product Product			Fold Formula 1
All Description of the state	Plans	Integration Test Based on the solution	3 Verify the integration between the XXX module, XX	integration Test Based on the solu	Pending review Pending			Edit Execute 1
Antonixe National State Sta	Cases	Beliobility Test Becurity Test	4 Verify the integration between the XXX module, XX	Integration Test Dased on the solu	Pending review Pending			Edit Execute 1
en e	Resources	Performance Test So solution. Joint operations products	S Verify the integration between the XXX module, XX	Integration Test Based on the solu	Pending review Pending			Edit Execute 1
	Reports <		O Verify the integration between the XXX module, XX	Integration Test Based on the solu	Pending review Pending			Edit Execute
				Trans	efer Case to Other for Design Change Case Des	signer Change Case Ex	xecutor Report Preview	Submit Case Desi

Figure 1-50 Integration test cases

NOTE

- Performance, reliability, and integration test cases can be automatically generated by using the **Wizard** mode. The generated test cases can be edited based on the actual product scenario.
- The service control test, maintainability test, and security test cases do not need to be modified.

Submitting Test Cases for Review

1. After creating test cases, submit them to Huawei test engineers for review.

Figure 1-51 Submitting a test case design

XX Corp. 1 To the Registerior S Catero Case The Registerior S The Case State The Case Stat	```
This cannel a subdort 16 back ground some some 30 back some 30 ba	Workflow History
Case Name Case Name Case Name Requirement Out Rever Natabas Decodes Natabas Test Result Case Name Pace Nam Pace Name Pace Name <t< td=""><td>CO</td></t<>	CO
Image: State (State	à
Programming Programming Proprogramming Proprogramming	cute More +
Prime Implementation Implementation Provide model Completed to bit. Implementation	cute More +
CARR Implementance Text Implementance Text Implementance Text Predicting stockers Implementance Text Implementance Text <td>cute More +</td>	cute More +
Rassours hand Dynh	cute More +
Instant Image: Construction	cute More +
Bage/B 2 7 Verify the integration between the XXX module. XXX Integration Test Exact on the volu. 0 Pending modern 0 Pending Exact on the volu. 0 Pending modern 0 Pending Exact on the volu. 0 Pending modern 0 Pending Exact on the volu. 0 Pending modern 0 Pending Exact on the volu. 0 Pending Exact on the vo	cute More +
Image: B Veryly the subgrades balances the XXX module, XXX, Insignation Test Estand on the solur, Image: Provide system Image: Provide system <td>cute More +</td>	cute More +
Ext Ext Ext Ext Ext Ext Ext Ext Ext	cute More +
	cute More +
🗌 🗮 10 Verlý he integráfion between he XXX. module, XX. Integráfion Text Based on the solu 🛛 e Pending review e Panding	cute More +
10 * Table Records 75 < 1 2 3 4 5 6 7 8 >	
	?
	help
	G CS
la contra de la contr	

- 2. Select a reviewer.
 - Reviewer: Select a Huawei test engineer.
 - Remarks: Optional.

Figure 1-52 Submitting a test case design for review

HaydnCSF		4	Performance Test	The service metri 1. Continuous co 2. Fatigue pressu 3. The CPU usag 4. The memory u	in_the_xx	Automatic Perfor	Use Huawei Cloud CPTS to compile a script View server resource usage on the Huawei C View the RPS line chart on the CPTS console.	Average response time ≤3s; success rate ≥ 98.8%. CPU unage ≤ 89%; memory unage ≤ 85% The RPS trend is stable.	Pending sever	
Workspace Management Design Center Ventication		5	Performance Test	Select a hybrid se The service metri 1. Continuous co 2. Fatigue pressu 3. The CPU usag 4. The memory u	in_the_xxx	Automatic Perfor	Use Huawel Cloud CPTS to compile a script View server resource usage on the Huawel C View the RPS line chart on the CPTS console.	Average response time #3s; success rate ¥ 99.8% CPU usage < 80%; memory usage < 85% The RPS trend is stable.	© Funding moins	
Center Requirements Plans		6	Security Test	Perform security t	Web vulne	Manual Test	Web vulnerability scanning Take OWASP ZA	1. The scanning result does not contain high-risk	Proding review	
Cases Resources		7	Security Test	Perform security t	Host and c	Manual Test	Host scan 1. Log in to the Huavei Cloud con	1. The scanning result does not contain high-risk	Pending review	
Reports		8	Security Test	Perform security t	Unauthoriz	Manual Test	1. Interview developers and designers. 2. Vie	1. The system does not use any unsufficized or	Pending seview	
		9	Security Test	Perform security t	An idle tim	Manual Test	1. Interview designers and developers or vie	1. The session has the idle timeout mechanism	Pending review	
		10	Security Test	Perform security t	Insecure cr	Manual Test	1. Communicate with developers about encry	1. Use industry-recognized encryption algorithms	Pending seview	
	10 +	Total Reco	nds: 81 < 1 2	3 4 5 … 9 >						?
	Submit fo	r Review		9	×					help CS
	Remarks		The test case d	esign is complete. Please	e review it.					_
									Cancel 0	ĸ

Test Case Requirements

- 1. Function test cases (including tests on the service function, service control, and maintainability)
 - a. Service function test requirements:
 - Test cases must cover all level-2 functions in the function list.
 - Operation steps are required for test cases.
 - End to end test cases are required for main scenarios.
 - If hardware products are involved, provide the function description and quality test report of the hardware products.

b. Service control test, including the following three test cases:

- A notification is sent when the license is about to expire.
- The system is unavailable when the license expires.
- After the license is renewed, the system can be used normally and the original data is not deleted.

c. Maintainability test, including the following four test cases:

- Centralized event management platform check
- Log management system check
- Product monitoring and alarm management system check
- SSL certificate expiration alarm check
- 2. Performance test requirements for the following scenarios:
 - Basic core scenario (three to five test cases, 5 to 10 minutes pressure test for each test case)
 - Hybrid scenario (two to four test cases, 0.5 to 2 hours pressure test for each test case)
 - Fatigue pressure test scenario (one test case, four to six hours pressure test a test case)
- 3. Security test requirements:

34 manual security test cases

Three tool scanning cases: VSS-web scanning test, VSS-host scanning, and VSS-binary scanning.

- 4. Reliability test cases: Analyze the solution integration architecture, create reliability test requirements, and test the service HA at each fault point of the product.
- 5. Integration test: Based on the solution architecture diagram, test the connectivity of the integration path of Huawei Cloud services involved in the solution to ensure that the service flows and data flows in core service scenarios can be streamlined with the dependent Huawei Cloud services in an end-to-end manner.

Reviewing Test Cases

- 1. Huawei test engineers review the test cases imported by partners. If the test cases meet the requirements, the test cases are passed. Otherwise, the test cases are rejected.
- 2. **Transfer to Others**: The current reviewer can transfer the review task to another person in the workspace.

Figure 1-53 Reviewing test cases

HaydnCSF													
												Test case design review passed 💌	
AX Compa jae				9	Reliability Test	Deploy the HA	Security	Manual Test	1. O&M users log in to the bastion ho	1. The server operation logs are displayed.	Pending		
Workspace Management										~			
Design Center												Test case design review passed	
Verification				9	Reliability Test	Deploy the HA	DR Drill	Manual Test	1. Run commands on different nodes	1. The screenshot of processes on differ	Pending		
Center													
Requirements											·		
Plans												Test case design review passed +	
				10	Punction Test	Completed th	Punction	Manual Test	Click New to complete the test case in	The test case is created successfully.	Pending		
Cases	<												
Resources													
Insues		1	• •	Total Re	cords: 81 < 1	2 3 4 5	9 >						
Reports													
		Re	view Ca	50									
		Acti	on		Approve	Ptoject	Trent	ster					1
													0
		Rer	narks		Please enter	the processing descr	tplion.						
													0-9 C2
										0/2,000			

1.2.6 Enabling Test Resources

Currently, the main function of enabling test resources is to enter the application information and technology stack information on the **Resource Management** page. This process does not enable the actual resources.

Procedure

1. Go to the **To-Dos** list and click **Handle** to enable resources and deploy applications.

Figure 1-54 Enabling resources

∰ HaydnCSF ⊚		Homepage Workspaces	To-Dos ² Operations Center		Documentation User Guide	Current workbench Solution design
	My To-Dos	2		My Applications	2	
	Completed 4	Total 6		Completed 4	Total 6	
					Workspace	Enter a workspace name. Q
Workspace	Service Name	To-Dos 🖓	Created	I ↓≣ Reten	ntion Duration ↓ Opera	ion
XX Company - XX Solution - Ass	sociated Commodity C xx solution-Joint operat	tions products Test resource	subscription Aug 28, 2	2023 16:52:34 GMT+08:00 22 ho	urs and 39 minutes Handle	View Handling History

2. After enabling resources, fill in **Application Information** (including the application name, application description, and version number) and **Technology stack information** (including the technology stack name, technology stack description, and version number).

Figure	1-55	Com	oleting	resource	inform	ation

	Application	Information ③								
HavdoCSE	No.	 Application Name 	 Application Description 	* Version Number	Remarks	Operation				
	1	e.g. digital office system	For example, one-stop intelligent OA, meeting daily office an management requirements.	d		Delete				
X Compa		0/50	0	500	0/50	0/500				
Workspace Management		© Add								
Design Center										
Verification										
Center	Technology	stack information ⑦								
Requirements	No.	* Technology Stack Name	* Technology Stack Description	* Version Number	Remarks	Operation				
Plans	1	e.g. zookeeper	For example, the distributed coordination service is used to							
Cases	1		encapsulate backend management interfaces in this annification			Delete				
Resources	L	050	0 0	500	0.50	0/500				
Issues				⊕ Add						
Reports										
	Operation Attachmen	ts Upload Attachment Attachment name cannot contain a com Max. attachments 5: Max.attachment size, 56 MB; Attachment format zip, rar, tar, ppl. Foruum Patt the attachment does not con	mas, ptr, dec, docr, xts, xter, pdf function one calific information arouter (inclusion but not limited in law s	surce code (suff) code and fail set of code	chibilitium source code) software of took that	Even on a photomore the first model and Exits excerned them				
	Action	Approve Transfer	nnen men poere minimusen azocu (MARANG VALINA INTER IV NY S	once cone, namy could, dilû full bet til plûte	expression source cood), summale of tools that	and the assessment way on a region interest, which field third (1914) (1915).				

3. After filling in the information, click **Submit**.

1.2.7 Performing the Certification Test

Partner test engineers perform the test by referring to the test cases on the HaydnCSF console, record the test results on the HaydnCSF console, and resolve all known issues before submitting the report for review.

Executing the Test

Procedure

 Log in to the HaydnCSF console as a partner test engineer, click the name of the workspace automatically created in the seller center to enter the workspace, and choose Verification Center > Cases. In the displayed page, choose More > Execute in the Operation column of the target test case to execute the test case.

Figure 1-56	Entrance	for	executing	test	cases
-------------	----------	-----	-----------	------	-------

		Case Mar	nagement												`
HaydnCSF		Test Re	quirements Custo	om Test Cases	Manual	Tes	Performance Automation Case O	iverview Recycle Bin							
XX Compa		Search	by requirement, solution	on, caser Q	Creat	•	Import More +					Case Name	▼ Enter	a case name. C	Handling History
Workspace						No.	Case Name	Case Type 🛛	Requirement	Review Status 🖓	Execution Sta	₽ Test Result ₽	Created by 7	Recent Perfor	Operation
Design Center			xx solution-Joint operat	tions produ 😑		. ≡. 1	Walking navigation-Walking navigation	Function Test	完成Road syst	Test case desig	Pending		У		Edt More 🔻
Verification		-	🖹 业务功能限武	完成Road sys		= 2	Walking simulation navigation-Walking nav	vigat Function Test	完成Road syst	• Test case desig	Pending		У		Edit More •
Center			🖹 服务控制制法	针对系统完成		3 ع	Vehicle navigation-Walking navigation	Function Test	完成Road syst	• Test case desig	Pending		у		Edt More +
Requirements			可增护性测试	为保障伙伴严		= 4	Analos navigation-Walking navigation	Exection Test	来成Road syst	Test case desig	Pendina				Edt More v
Plans		(Ŧ)	Reliability Test										_		
Cases	<	Ŧ	Security Test			= •	Function test-Service Function Test-New	Function Test	売収Koad syst	Test case desig	 Pending 		У		Edi More A
Resources		+	Performance Test		<										slete
Issues														0	reate Issue
Reports													2	_	

NOTICE

To change or add a case executor, click **Change Case Executor** in the lower right corner of the case management page. (Prerequisite: The added handler must be in the workspace.)

- 2. Execute a test case. The following uses the service function test case as an example.
 - Actual Result: To prove the result, a screenshot and text description are required. Generally, the text describes the screenshot, which helps the report reviewer understand the screenshot. You can directly paste the screenshot in the Actual Result text box. Provide the corresponding screenshot according to your test case procedure.
 - Remarks: Description of the step execution result. This parameter is optional.
 - **Attachments**: Upload the file that describes the execution result. If there are multiple screenshots of the execution result, save all the screenshots in a single document and upload it as an attachment.
 - Case Status: Select Pending, Executing, or Completed as required.
 - **Execution Result**: Select **Passed**, **Failed**, **N/A**, and **Pass conditionally** as required.

- **Result Remarks**: Enter the description of the test case execution result. This parameter is optional.

Figure 1-57 Service function test execution example

omoa 🖂								
unpa jar	Search by case nar	me and execu Q	Test Procedure				Report Previe	w If you find a problem, click Create
inagement	xx solution/V1 (Indiat operations product a	No.	Test Procedure	Expected Result	* Actual Result (Click the full scree	en button of the text editor to enter the full screen .	Remarks
sign Center	- Function Te	est						
rification	- E Compl	leted the function test of the		Click New to complete the test case information and procedure.	The test case is created successfully.	<u>A</u> × B I U S		
nter	Per	iding Walking navigation-Wa				Passed, consistent with the ex	pected result	*
Requirements	- Per	iding Walking simulation nav	1					
Plans	- Per	iding Vehicle navigation-Wall				(9		
	- Per	iding Analog navigation-Walk						*
Cases	Per	iding Function Test-Service F				(,	
Resources <	- Test se	ervice control of the system						
Issues	- Per	iding Service Expiration Con	Attachments	Unload Attachment				
Reports	- Per	nding Service Expiration Noti	7	Attachment name cannot contain a	commas.			
	Per	iding Service Renewal and F		Max. attachments: 20; Max. attachment size: 50 MB;				
	- To ens	ure the stable and reliable i		Attachment format: .zip, .rar, .ppt, .	pptx, .doc, .docx, .pdf, .jpg, .png, .xlsx, .txt	(UTF-8), .trl, .xis, .msg		
	- Per	iding Centralized Event Man	★ Case Status	Completed	•			
	- Per	iding Log Management Syste		During 1				
	- Per	iding Product Monitoring and	* Execution	Passed	¥			
	Per	iding SSL Certificate Expirati	Noduk					
	- Integration	Test	Result					
	- Based	on the solution architecture	Remarks					
	- Per	iding Verify the integration be						
	- Per	iding. Verify the integration be					0/1,000	
	- Per	view Verity the Internation he						

3. Click **OK**. Return to the case list. You can see that the test result of the case is **Passed**.

Figure 1-58 Test case execution succeeded

HaydnCSF	Case Management				Executing the case succeeded	×
XX Compa (III) Workspace Management	Test Requirements Custom Cases	Manual Test Performance Automation Case (Create Import More +	Overview Recycle Bin	Ca	e Name 🔹 🖉 Enter a case name.	Workflow History Q C (2)
Design Center Verification	• xx solution(V1.0)-Joint operations	No. Case Name Image: Image and the second sec	Case Type 😨 Requirement Punction Test Completed the	Review Status 😨 Execution Sta 😨 Test Re	sult 😨 Created by 😨 Recent Perfor	Operation Edit Execute More +
Requirements Ptens	Service Function Test Comple Bervice Control Test Servi	2 Walking simulation navigation-Walking 2 Vehicle navigation-Walking navigation	Function Test Completed the Function Test Completed the	Test case desig Pending Test case desig Pending		Edit Execute More + Edit Execute More +
Cases Resources	Maintainability Text To ensure ensure ensure ensure ensure ensure	Analog navigation-Walking navigation Analog navigation Function Test-Service Function Test-New	Function Test Completed the	Test case desig Pending Test case desig Completed Per	ed.	Edit Execute More +
Reports	Security Test Performance Test Social Security Test Social Security Test Social Security Test					

4. For details about automatic operations of performance test cases, see **Performance Automation Test Cases**.

5.

The requirements for screenshots of execution results of different test case types are as follows:

- Function test case: Screenshots must be uploaded for all function test cases, and upload the latest required material.
- Performance automation test case: There are automatic test cases and manual test cases. After automatic test cases are executed, manual test cases are executed. Provide screenshots and text description by referring to the manual test procedure.
- Security test case: Upload a screenshot and fill in the screenshot description for each security case. For a case that is not involved, select N/A for the execution result, explain why the case is not involved in the result remarks, and upload an email as an attachment. The tool scanning must meet the security requirements.
- Reliability test case: Upload a screenshot of the actual result of each reliability test case and upload the latest reliability checklist.

Handling Test Case-Related Issues

 If any issue is found during case execution, choose More > Create Issue in the Operation column of the target test case to access the Issue Management page and create issues or requirements.

Figure 1-59 Entry for creating issues

HaydnCSF	Case Management				~
XX Compa	Test Requirements Custom Cases	Manual Text Performance Automation Case	Overview Recycle Bin		Workflow
Workspace Management	You can enter a requirement name, sol. Q	Create Import More v		Case Name	Enter a case name. Q C S
Design Center		No. Case Name	Case Type 😨 Requirement 1	Review Status 😨 Execution Sta 😨 Test Result 😨	Created by 😨 Recent Perfor Operation
Verification Center	wx solution(V1.0)-Joint operations Function Test	1 Waiking navigation-Waiking navigation	Punction Test Completed the	Test case desig Pending	2 Edit Execute More +
Requirements	B Service Function Test Comple	2 Walking simulation navigation-Walking	Function Test Completed the	Test case desig Pending	p Edit Execute More +
Plans	Service Control Test Test serv Maintainability Test To ensure	2 Vehicle navigation-Walking navigation	Function Test Completed the	• Test case desig • Pending	2 Edit Execute More +
Cases	Integration Test	Analog navigation-Walking navigation	Function Test Completed the	Test case desig Pending	Edit Execute More +
Resources	Restability Test Security Test	G Function Test-Service Function Test-Net	w Function Test Completed the	Test case desig Completed Palled	Edit Execute More A
	+ Performance Test				Delete
Poeports	🛨 🗢 🛪 solution-Joint operations produ 🚈				Create Issue
					help
					69
					cs
				Transfer Case to Other for Design Change Case D	esigner Change Case Executor Report Preview



			_
(Huyde	Issue Management Edit Issue X		~
HaydnCSF	Issue Management / New Issue		
XX Compa 3	Issue Description	Basic Information	
Workspace	* Issue Tile	* Issue Status 🛞 Submitted -	
Management Design Center	* Issue Description	* Associated xx solution(V1.0) Solution	
Verification		* Associated xx solution-Joint operations products	
Requirements	[Symptom] An error is reported when the new button is clicked.	Requirement	
Plans	[Procedure] When a user logs in to the system and chooses Function Test > Service Function Test > New, an error is reported when the user clicks New.	Requirement Type	
Cases	[Expected Result]The New page is displayed. [Actual Result]	Requirement @	
Resources	The New button is invalid. [Cause]	Associated Case Function Test-Service Function Test-New	
Issues	The interface is abnormal. [Suggestion]	Associated Cloud -Select an involved cloud service-	
11000010	Ask R&D engineers to locate interface problems.	Service	
	Solution and Progress	Service Ticket No. Please enter the service ticket number.	
	Solution Progress	* Sevenity Major	
		* Responsible) v	
	Edit the solution to the issue here	* Expected Aug 29, 2023	-d
		Rectification Date	
		Overdue Reminder ()	
		Cancel	

Figure 1-61 Issue list

(inver	Issue Management		Created successfully
HaydnCSF	Create Export		Statistics Dashbaard My Issue 🕥 Issue Ticks. • Enter an issue licket number Q C 0
XX Compa	No. Issue Ticket No. Issue Title	Associated Associated Re Associated Submitter 🍞	Responsible Middle Handlers Severity 🏹 Issue Status Creatied Time J 🗮 Last Processed Ti Tag 🏹 Operation
Workspace	1 BUG2023082901002 The service func	Function Test xx solution-Joint xx solution(V)	Major • Submitt Aug 29, 2023 16:30 Aug 29, 2023 16:30 Operation +
Management	-		
Design Center			
Verification A			
Requirements			
Plans			
Cases			
Resources			
Issues			

2. Handle issues or requirements during verification.

After an issue is resolved, partner test engineers go to the HaydnCSF console, choose **Workspace Management** > **Space Name** > **Verification Center** > **Issues** > **Edit**, and handle the issue or requirement.

Figure 1-62 Entry for handling issues

Huyde	Issue Management	~
()		
HaydnCSF	Create Eport Statistics Dashboard My Issue 🕥 Issue Ticke • Enter an Issue Icital number: Q	C
XX Compa	No. Issue Ticket No. Is	tion
Workspace	1 BUG3023082901002 The service func Function Test xx solution/V Major @ Submitt Aug 20, 2023 16.30 Aug 20, 2023 16.30	Son 🔺
Management	Julian States	əd
Design Center	Duiete	
Verification *	10	
Requirements		
Plans		
Cases		
Resources	×	
Issues		
Reports		

HaydnCSF [Symptom] An error is reported when B (Procedure) When a user logs in to be s (Expected Result) Actual Result) The New button is invalid. (Cause) The Interface is abnormal. Workspace Managemen Design Center Verification Center Plans Cases Resources Itasues Reports Req Service Aug 29, 2023 ~

Figure 1-63 Example of handling an issue

1.2.8 Submitting a Report for Review

After all test cases are executed and all issues are closed, the partner test engineer submits a report for review.

Procedure

Log in to the HaydnCSF console and choose Verification Center > Cases. On 1. the Case Management page that is displayed, click Report Preview in the lower right corner.

Figure	1-64 Entry fo	r subr	nitting a te	st rep	ort					
HaydnCSF众	Case Management									
XX Compa	Test Requirements Custom Cases	Manual Tes 💯	Performance Automation Case O	iverview Recy	le Bin					
Workspace Management	You can enter a requirement name, sol	Create	Import More *					Case Name	¥	Enter a case name.
Design Center		No.	Case Name	Case Type 🏼 🍟	Requirement	Review Status 💡	Execution Sta 7	Test Result 🏾	Created by 🏆	Recent Perfor
Verification A Center	• xx solution(V1.0)-Joint operations + Function Test		Walking navigation-Walking navigation	Function Test	Completed the	• Test case desig	 Completed 	Passed		
Requirements	+ Integration Test	□ Ξ 2	Walking simulation navigation-Walking	Function Test	Completed the	• Test case desig	 Completed 	Passed		
Plans	+ Reliability Test + Security Test		Vehicle navigation-Walking navigation	Function Test	Completed the	• Test case desig	Completed	Passed		
Cases	+ Performance Test		Analog navigation-Walking navigation	Function Test	Completed the	• Test case desig	 Completed 	Passed		
Resources	< 💿 🖈 🔹 xx solution-Joint operations produ 🔤	* _ = s	Verify the integration between the XXX	Integration Test	Based on the s	• Test case desig	Completed	Passed		
Reports			Verify the integration between the XXX	Integration Test	Based on the s	• Test case desig	Completed	Passed		
			Verify the integration between the XXX	Integration Test	Based on the s	• Test case desig	Completed	Passed		
			Verify the integration between the XXX	Integration Test	Based on the s	• Test case desig	Completed	Passed		
		□ = s	Verify the integration between the XXX	Integration Test	Based on the s	• Test case desig	 Completed 	Passed		
			0 Verify the integration between the XXX	Integration Test	Based on the s	• Test case desig	Completed	Passed		
		10 🔻 Total	Records: 75 < 1 2 3 4 5 6 3	78>						

- 2. Click **Report Preview** and scroll down to the report preview page shown in the following figure.
 - Test Report Name: This parameter is automatically generated by _ HaydnCSF.
 - Test Summary: Click Auto-Generate. The test summary is automatically generated. You can edit the test summary.

Transfer Case to Other for Design Change Case Designer Change Case Exe

QC®

- Generate Report: A test report is automatically generated, including the test summary. Click the generated report in Word or Excel to download and view the report.
- Attachment: The uploaded attachment will be placed in the generated report. This parameter is optional.
- Reviewer: Select a Huawei test engineer as the report reviewer according to the requirements of Huawei test engineers.
- **Submit**: The report will be submitted to the reviewer.

Figure 1-65 Report preview

HaydnCSF	* Test Report 🛞	xx Company-xx solution(V1.0)-Associated Commodity Ce	rific Standard					
XX Compa	Test Tool 💿	No. Tool Name	Tool Introduction	Vendor	Tool Version	Last Modified By	Last Modified Time	Operation
Workspace Management	* Test	Auto-Generale		⊕ Add				
Verification Conter Requirements Plans Cases Resources Itsues	Summary 🔾	▲ ∨ B I U ↔ F T u ↔ F T u ↔ Company provides xx solution(V1 0), and fund (1) This test contains xx solution(V1 0) & sender 0. detects are minor and 0 detects are warring s. 3 for major taxes, and 16 certifical taxes, M (2) Performance taxes inc), the response time of each transition can mance test is passed and can be released for co 0) Security test variation.	■ ■ ∨ → S → E × E × E ions such as xxx are texted. The function text cases, and 0 defacts are for defacts. The D1 value of total open defined the commercial quarks standards are the commercial quarks standards are the performance test. There are six test ext envice requirements. The CPU load mmercial use.	☑ 23 In test of xx solution(V1.0) of xxx is completed and. According to the defect savely), (defects again of is defect to 100-3.1 (the burdle is 0.1 for suggestion of d can be relaxed for commercial use. cases in three scenarios on the xx solution(V1.0) plat and memory usage of the server are stable. No excent and the server are stable. No excent	fical, 0 defects are maj			
Rapots C	Atlachment 🕥	Excellent 4() Bandual Recently Rec Cases, U Marine pa Company-or substancy(1:3)-Associated Commonity Cent Company-or substancy(1:3)-Associated Commonity Cent Company-or substancy(1:3)-Associated Commonity Cent Commention on OI (1:2): CEN (2:1)-CEN (2:1)-CEN Explant Attachment Machinement anno centers as common association and Access that the attachment does not contain ann public this Access that the attachment does not contain ann public this	sas, U Roma are not involved. U Roma fai Rostein Test Report docr Rostein Test Report als w madios assets (including lad not limited to key	and it makes pass with conditions. The vertication is	code), software or look that are not authorized	by the right holder, and RMS encrysted the	a	
	Report Submission	n Aegorovo Transfer						6 N
	* Reviewer 🕥	•	*					Cancel Submit

NOTE

Huawei will record the reviewed issues on HaydnCSF so that partners can handle them in a timely manner. The project manager can review and approve the report only after all issues are closed.

3. Huawei test engineers review the report.

A Huawei test engineer logs in to the HaydnCSF console and click the workspace name to enter the workspace. Choose **Verification Center** > **Reports**. On the report list, click **Review** in the **Operation** column of the target report. The test report review page is displayed.

inpa ;##					Report Name	 Enter a report name Q
	Report Name	Solution Name	Test Requirement Name	Generated Time ↓≣	Status 🖓	Operation
ipace gement	XX Company-xx solution(V1.0)-Associated Commodity Certifica.	xx solution(V1.0)	xx solution-Joint operations products	Aug 30, 2023 14:39:58 GMT+08:00	Reviewing	Submit Review Download
I Center						
ation						
aviramente						
qui en en en e						
<						
es						
sources						
Jes						
ports						

Figure 1-66 Entry for reviewing a test report



Haydn	Report Management / Test Report Review					
HaydnCSF	Test Result Case Exec	cution Result (Total 74)	Associated Issue Closure (Total 0)			
XX Compa (# Workspace Management Design Center Verification Center Plans Cases Resources Issues	<	ed 6 (0.1%) Passed 60 (01.9%)				
Reports	Test Case List Spec Chuck Function Test (Approved 12) (Republic 0) (Passed) 1, [(Passed) 3, (Passed) 4, (Passed) 4, (Passed) 5, (Passed) 6, (Passed) 7, (Passed	Regultment xx toldion-birl operations products Regultmenet Celer bins TC-2023082201926 Delphoment Haavee Cloud Case Sincolon Manual Test Type	Case Type Fundion Test Case Name Proofy Medium			
			Cancel Submit			

a. Find the report download link and download the test report for reviewing.





Figure 1-69 Example



b. After the review is complete, specify the review result and click **Submit** to complete the report review.

Figure 1-70 Reviewing a test report

HaydnCSF		Report Download	Cemerate Report © XC Cempany: os saladarsVI (8)-4sscalatel Commodity Centification Test Report docx XC Cempany: os saladarsVI (9)-4sscalatel Commodity Centification Test Report docx	
XX Compa			Generated on Aug 30, 2023 14.39.50 GMT+06.00	
Workspace Management	•	Cc of Case Execution Email		
Design Center		Report Review Email Co	c .	
Verification Center	•	Attachment		
Requirement				
Plans	<	Review		
Cases		Action	Approve Reject Transfer Passed conditionally	
Resources		L		
Issues		Email Send To (Select email recipients-	
Reports		Processing	$\underline{\mathbb{A}} \lor \ \mathbb{B} \ I \ \underline{\mathbb{U}} \ \mathfrak{S} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}} \ \overline{\underline{\mathbb{S}}}} \ \overline{\underline{\mathbb{S}}} \ \underline$	
		Description		
				E
				6-3
		Usedling Victory		
				Cancel Submit

c. After the report is approved, you can view the approval status of the report on the **Report Management** page. You can also click **Download** to download the approved report.

Figure 1-71 Viewing an approved report

-	Report management						
Ð	Report List Consolidated Report List	Custom Test Case Reports					
HaydhCSF	Merge Report				Report Name	Enter a report name	C
XX Compa	Report Name	Solution Name	Test Requirement Name	Generated Time ↓Ξ	Status 🖓	Operation	
Workspace Management	XX Company-xx solution(V1.0)-Associated	Commodity Certification Test Re xx solution(V1.0)	xx solution-Joint operations products	Aug 30, 2023 14:46:53 GMT+08:00	 Approved 	Submit Again Review Download	
Design Center							ł., .,
Verification Center							
Requiremen	da						
Plans							
Cases							
Resources	<						
Issues							
Reports							

1.3 FAQs

1. How long does it take to complete the project certification test?

Partners are responsible for the certification test, and Huawei test engineers are responsible for reviewing and supporting the solution. To complete the test as soon as possible, partners should assign at least one test engineer and two developers for a product. (Developers are mainly responsible for fixing vulnerabilities after security scanning.) With sufficient manpower, a task can be completed within 13 working days.

2. Can the known issues be handled after a product is released?

No. In principle, all test issues, especially security vulnerabilities that impact the Huawei product security baseline, must be closed before a product is released.

3. Can other types of Huawei test reports be reused?

Generally, if the function list and architecture diagram of the previous certification test report are consistent with those of the product to be released in this certification test, the report can be reused. If new functions are added or the contents that are not covered in the previous test report are involved, you need to perform supplementary tests. For details, contact Huawei test engineers.

4. The SSL certificate expiration notification needs to be configured for maintainability test cases. If the Cloud Certificate Manager (CCM) service of Huawei Cloud is used, how do I configure the SSL certificate expiration notification?

See How Do I Configure a Certificate Expiration Notification?