

CodeArts Req

Getting Start

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Huawei Cloud Computing Technologies Co., Ltd.

Address: Huawei Cloud Data Center Jiaoxinggong Road
Qianzhong Avenue
Gui'an New District
Gui Zhou 550029
People's Republic of China

Website: <https://www.huaweicloud.com/intl/en-us/>

Contents

1 Creating a Scrum Project and a Work Item.....	1
2 Creating an IPD-System Device Project and a Work Item.....	4
3 Getting Started with CodeArts Req.....	7

1 Creating a Scrum Project and a Work Item

It is always a challenge for efficient team collaboration when developers are located in different offices and use different tools and environments. Enterprises also need to tackle rapidly changing customer requirements and frequent reworks with fast responses. CodeArts Req enables simple but efficient collaboration and offers cloud-based file hosting where documents can be centrally managed, so enterprises can enhance team collaboration, sharing, and consistency management.


This introductory tutorial will guide you through the process of creating a work item for a Scrum project in CodeArts Req, and provide a quick and comprehensive overview of managing Scrum projects.

Prerequisites

- You have registered with Huawei Cloud and completed real-name authentication. If you do not have a HUAWEI ID yet, follow these steps to create one:
 - a. Visit [official Huawei Cloud website](#).
 - b. Click **Sign Up** and create your account as instructed.
Once your account is created, the system automatically redirects you to your personal information page.
 - c. Complete individual or enterprise real-name authentication. For details, see [Real-Name Authentication](#).
- You have enabled CodeArts Free Edition or purchased CodeArts Req Basic Edition.
 - You have enabled CodeArts Free Edition. If not, enable it by referring to [Purchasing a CodeArts Package](#).

Creating a Scrum Project

Step 1 [Log in to the Huawei Cloud console](#) with your Huawei Cloud account.

Step 2 Click  in the upper left corner and choose **Developer Services > CodeArts** from the service list.

Step 3 Click **Access Service**. Access the CodeArts homepage.

Step 4 Click **Create Project**. Select the **Scrum** project template and click **Select**. The **Create Project** page is displayed.

Step 5 Set **Project Name** to **Scrum01** and retain the default values for other parameters.

Step 6 Click **OK** to access the project.

----End

Creating a Work Item

Step 1 Go to the **Scrum01** project homepage and choose **Work > Req > Work Items**.

Step 2 Click **Create Work Item** and select **Story**. On the story creation page, set parameters by referring to the following table.

Figure 1-1 Creating a story

The screenshot shows the 'Create Story' form in CodeArts Req. The form is divided into a main content area and a right-hand sidebar. The main content area has a title field, a tag field, and a rich text editor with a toolbar. The sidebar contains various parameters for the story, including 'Type' (set to 'Story'), 'Assigned To', 'Module', 'Sprint', 'Planned Start', 'Planned End', 'Order' (set to 1), 'Priority' (set to Middle), 'Severity' (set to Minor), 'Notify', 'Parent ID', 'Domain', and 'Expected' (set to 0.00 | 0.00). There is also a 'Show More' link at the bottom of the sidebar. At the bottom of the form, there are 'OK' and 'Cancel' buttons.

Table 1-1 Creating a story

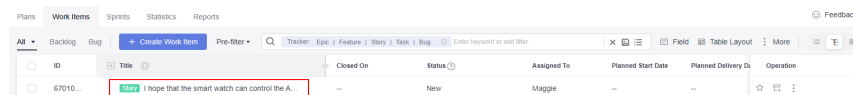
Parameter	Description	Example Value
Title	Title of a story.	Using a Smart Watch to Remotely Control iPhones for Taking Photos
Description	Description of a story.	As an iPhone user, I want my smart watch to remotely control my iPhone to take photos so that I can quickly take photos.
Start Date	Expected time the story R&D starts.	Jul 20, 2024

Parameter	Description	Example Value
Due Date	Expected time the story R&D ends.	Jul 24, 2024
Assigned To	Expected story handler.	Chris
Priority	Priority of a story, which helps the handler determine whether to process the work item first. The options are High, Middle, and Low.	High
Severity	Importance of a story, which helps the handler determine whether to process the work item first. The options are Critical, Major, Minor, and Trivial.	Major
Expected	Estimated workloads required for a story. Enter a value in person-hours or person-days.	1.5 person-days

Step 3 After setting the parameters, click **Save**.

The created work item is displayed in the work item list.

Figure 1-2 Work item list



ID	Title	Closed On	Status	Assigned To	Planned Start Date	Planned Delivery D	Operation
67010...	I hope that the smart watch can control the A...	--	New	Maggie	--	--	☆ ⌵ ⋮

----End

2 Creating an IPD-System Device Project and a Work Item

Large-scale, complex product development requires substantial R&D teams and extensive collaboration across projects and regions. It presents enterprises with challenges such as stringent product quality demands, rigorous process control, numerous decision-making points, and extended delivery periods. In response, CodeArts Req IPD projects offer valuable features, including efficient cross-organizational collaboration, comprehensive requirement tracking, and contractual R&D, and implement high-quality and efficient management through structured processes.

This introductory tutorial demonstrates how to create a work item in an IPD system device project, providing a rapid and comprehensive overview of IPD system device projects in CodeArts Req.

Prerequisites

- You have registered with Huawei Cloud and completed real-name authentication. If you do not have a HUAWEI ID yet, follow these steps to create one:
 - a. Visit [official Huawei Cloud website](#).
 - b. Click **Sign Up** and create your account as instructed.
Once your account is created, the system automatically redirects you to your personal information page.
 - c. Complete individual or enterprise real-name authentication. For details, see [Real-Name Authentication](#).
- You have purchased the CodeArts Pro Edition or CodeArts Req Pro Edition.
 - You have purchased CodeArts Pro Edition. If not, purchase it by referring to [Purchasing a CodeArts Package](#).

Creating an IPD-System Device Project

Step 1 Click **Create Project**.

Step 2 Hover your pointer over **IPD-System Device** and click **Select**. The project creation page is displayed.

Step 3 Set the project name to **IPD-System Device 01** and retain the default values for other parameters.

Step 4 Click **OK**.

----End

Creating a Work Item

Step 1 Access the **IPD-System Device 01** project home page. Choose **Work > Req > R&D Requirements**.

Step 2 Click **IR**. On the displayed page, set parameters by referring to the following table.

Figure 2-1 Creating an IR

Table 2-1 Creating an IR

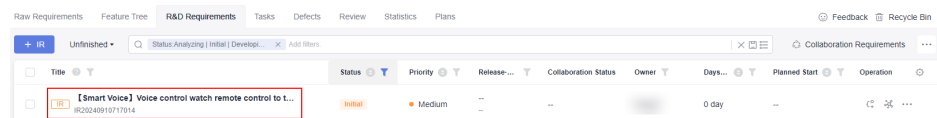
Parameter	Description	Example Value
Title	Title of an IR.	[Smart Voice] Photo Shooting with Voice Control over a Watch
Description	Detailed description of an IR. Letters, rich text, and image are supported.	Take photos remotely with voice commands through a smartwatch.
Raised By	Person who raises an IR. Multiple choices are supported.	Maggie, Frank

Parameter	Description	Example Value
Owner	IR owner, who is expected to handle the IR. You can select only one IR owner.	Chris
Priority	Priority of an IR, which helps the handler determine whether to process the work item first. The options are High, Medium, and Low.	High

Step 3 After setting the parameters, click **OK**.

The created work item is displayed in the work item list.

Figure 2-2 R&D requirement list



----End

3 Getting Started with CodeArts Req

Table 3-1 Common best practices of CodeArts Req

Practice	Description
Managing Raw Requirements of an IPD-System Device Project (Smart Watch R&D)	<p>A hallmark of a successful product lies in its ability to meet customer requirements. Unlike traditional requirement management tools that only play a role in the R&D phase, CodeArts Req covers both customer and market requirements by providing a complete process from customer requirement collection, high-value requirement decision-making, to delivery and acceptance. It makes real-time requirement progress transparent and improves market requirement flow by 70%.</p> <p>In CodeArts Req's raw requirement management, you can submit customer requirements to the target organization. This organization can then make decisions, conduct analysis, and manage delivery and acceptance of these requirements in real time. This process accelerates the delivery of customer requirements and enhances the market competitiveness of your products.</p>
Managing Defects of an IPD-System Device Project (Smart Watch R&D)	<p>Defect management is a critical part in product lifecycle management. Both hardware and software development will encounter countless defects. Poor defect management will affect the product quality. Based on years of experience in quality and operation management, Huawei has developed a set of effective defect best practices. It provides a unified, efficient, and visualized defect tracking platform to ensure that each defect can be closed with high quality and efficiency.</p> <p>A company plans to launch a smart watch. However, the R&D will take a long period, and requires collaboration of multiple departments and teams. How can the company transfer defects among organizations and ensure that the defects can be finally closed? Now, let's look at some defect lifecycle management practices.</p>

Practice	Description
Reviewing Baselines of an IPD-System Device Project (Smart Watch R&D)	<p>A product goes through a complex R&D process from planning to release. CodeArts Req manages these processes by requirement baselines, change requests of controlled fields, change reviews, and change management. Baseline changes must reach specified gate thresholds before going to the next stage to keep teams on the right track.</p> <p>A company plans to launch a smart watch, which requires collaboration across departments and teams. R&D requirements have been assigned to each production and research team after rounds of communication and clarification on requirements. To ensure that products are delivered on time and with high quality, all R&D and production teams need to devotedly carry out tasks based on specified requirements. Therefore, baseline control for requirements is necessary and baselined requirements cannot be modified randomly. The following uses this company as an example to describe how to implement requirement baseline control.</p>
Managing the Feature Tree for an IPD-System Device Project (Smart Watch R&D)	<p>Kanban in CodeArts Req is a lightweight, flexible, and simple team collaboration method widely used in the industry. It visualizes project requirements, defects, and tasks, so that everyone can clearly understand the status of each task. The team can update the work progress by moving work cards to expose risks and issues in a timely manner.</p> <p>You can create a Kanban project to plan requirements for the project. You can create, assign, and process work items to plan and deliver project requirements. This sector describes how to use a Kanban project for planning. A mall management project is used as an example.</p>