CodeArts Req

Getting Started

Issue 01

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HUAWEI CLOUD COMPUTING TECHNOLOGIES CO., LTD.

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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 shows you how to create work items in a Scrum project, helping you quickly get an overall picture of Scrum projects in CodeArts Req.

Prerequisites

- You have signed up for a **Huawei Cloud account**.
- You have enabled CodeArts Free Edition or purchased CodeArts Req Basic Edition.
  - You have purchased CodeArts Free Edition. If not, purchase it by referring to **Purchasing a CodeArts Package**.
- You have the permission to create a project (either of the following conditions is met):
  - **Tenant Administrator**. For details about how to grant the **Tenant Administrator** role to a user, see **Creating a User Group and Assigning Permissions**.
  - CodeArts project creator. For details about how to grant the project creator role to a user, see **Setting a CodeArts Project Creator**.

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 Req** from under **All Services**.

Step 3 Click **Go to CodeArts Req**. The CodeArts Req homepage is displayed.

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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 > 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

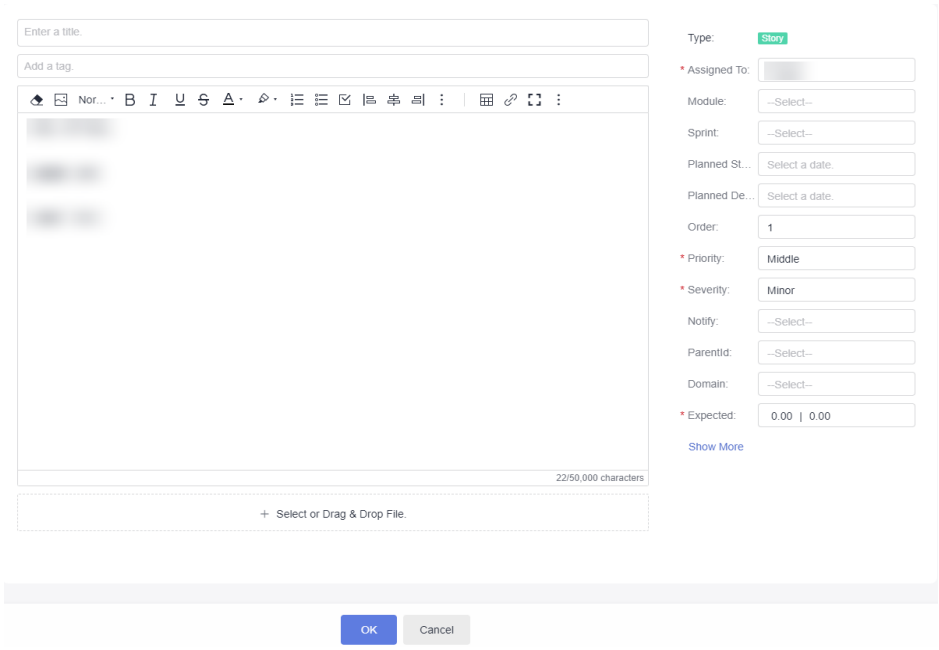


Table 1-1 Creating a story

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
Due Date	Expected time the story R&D ends.	Jul 24, 2024

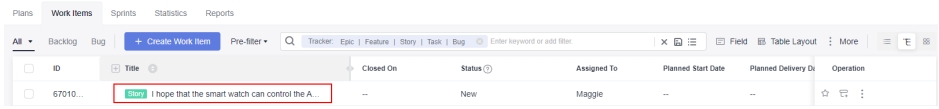
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Parameter	Description	Example Value
Assigned To	Expected story handler.	Chris
Priority	Priority of a story, which helps the handler determine whether to process the work item first. The options are **High**, **Middle**, and **Low**.	High
Severity	Importance 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 **OK**.

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

Figure 1-2 Work item list



----End

Related Information

For more information about Scrum projects, see **Managing Scrum Project Requirements** and **Best Practices of Scrum Projects**.

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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.

Constraints

IPD projects are available only in the AP-Singapore region.

Prerequisites

- You have signed up for a **Huawei Cloud account**.
- 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**.
- You have the permission to create a project (either of the following conditions is met):
  - **Tenant Administrator**. For details about how to grant the **Tenant Administrator** role to a user, see **Creating a User Group and Assigning Permissions**.
  - CodeArts project creator. For details about how to grant the project creator role to a user, see **Setting a CodeArts Project Creator**.

Creating an IPD-System Device Project

Step 1 **Log in to the Huawei Cloud console** with your Huawei Cloud account.

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Step 2 Click  in the upper left corner and choose **Developer Services** > **CodeArts Req** from under **All Services**.

Step 3 Click **Go to CodeArts Req**. The CodeArts Req homepage is displayed.

Step 4 Click **Create Project**.

Step 5 Hover your pointer over **IPD-System Device** and click **Select**. The project creation page is displayed.

Step 6 Set the project name to **IPD-System Device 01** and retain the default values for other parameters.

Step 7 Click **OK**.

----End

Creating a Work Item

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

Step 2 Click **IR**. On the displayed page, set parameters by referring to the following table. For more information about IRs, see **Initial Requirements**.

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 images are supported.	Take photos remotely with voice commands through a smartwatch.
Raised By	Person who raises an IR. Multiple choices are supported.	Maggie, Frank
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.

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Figure 2-1 R&D requirement list



----End

Related Information

For more information about IPD-system device projects, see **Managing IPD-System Device Project Requirements** and **Best Practices of IPD-System Device Projects**.

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3 Getting Started with CodeArts Req

Table 3-1 Common best practices of CodeArts Req

Practice	Description
Using an IPD-System Device Project to Manage RRs of a Smart Watch R&D Project	A hallmark of a successful product lies in its ability to meet customer requirements. CodeArts Req breaks free from the limits of traditional requirement management tools that function only during the R&D stage. By spanning both customer and market requirements, it offers a complete workflow covering customer requirement collection, value evaluation and decision-making, delivery, and acceptance, making requirement progress transparent in real time and accelerating requirement movement through each stage by 70%. In the raw requirement (RR) management module of CodeArts Req, you can submit customer demands to target organizations. The target organizations gain end-to-end real-time visibility into requirement analysis, decision-making, delivery, and acceptance, thereby boosting delivery efficiency and strengthening the products' market competitiveness.
Using an IPD-System Device Project to Manage Defects of a Smart Watch R&D Project	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 operations management, we have developed a set of effective defect management practices. We provide teams with a unified, efficient, and risk-visible defect tracking platform to ensure that every defect is closed with high quality and efficiency. A company plans to launch a smartwatch. Its long R&D cycle involves cross-department, multi-team collaboration. How can the company ensure that defects handed over between multiple organizations are ultimately closed? This practice describes how to manage defects in a simulated smart watch R&D project using an IPD-system device project.

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Practice	Description
Using an IPD-System Device Project to Review Baselines of a Smart Watch R&D Project	A product goes through a complex R&D process from planning to release. CodeArts Req helps to manage 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. A company plans to launch a smart watch, which requires collaboration of multiple departments and teams. The company has completed multiple rounds of requirement communication and clarification, and has assigned R&D requirements to each R&D team. To ensure that the project is delivered on schedule and with high quality, each team must carry out R&D strictly according to the established requirements. Therefore, baseline control for requirements is necessary and baselined requirements cannot be modified randomly. This practice describes how to manage baseline reviews in a simulated smart watch R&D project using an IPD-system device project.
Using an IPD-System Device Project to Manage Feature Trees of a Smart Watch R&D Project	System features (SFs) are the core assets of a product and keep evolving after the product is launched. CodeArts Req provides full-scale management for them, including a feature tree that keeps SFs organized, prevents asset loss, and speeds up feature inheritance and development across product generations.
Using an IPD-System Device Project to Review Changes to a Smart Watch R&D Project	Bringing a product from planning to market involves a complex development cycle. CodeArts Req provides baseline control and change management for work items, streamlining the entire process from change request and review to implementation. It enforces strict change controls, maintains baseline integrity, and enables full auditability of approvals, decisions, and accountability.
Best Practices of CodeArts Req Permission Management	CodeArts Req provides **role-based access control (RBAC)** and **attribute-based access control (ABAC)**. This practice describes how to configure permissions based on roles and implement more refined permissions control in custom workflows in an IPD-system device project.

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