

# **CODING Code Repositories**

## **Introduction**

### **Product Documentation**



Tencent Cloud

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# Introduction

## Overview

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## What is CODING Code Repositories?

As a sub-product of [CODING DevOps](#), CODING Code Repositories (CODING-CR) is a convenient cloud-based collaborative R&D tool. It aims to deliver a simple and efficient development experience to more developers and supports Git and SVN version control systems. Its cloud-based high-availability environments guarantee the security of your data. CODING-CR offers various features such as code hosting, code review, and branch management.

## Scenarios

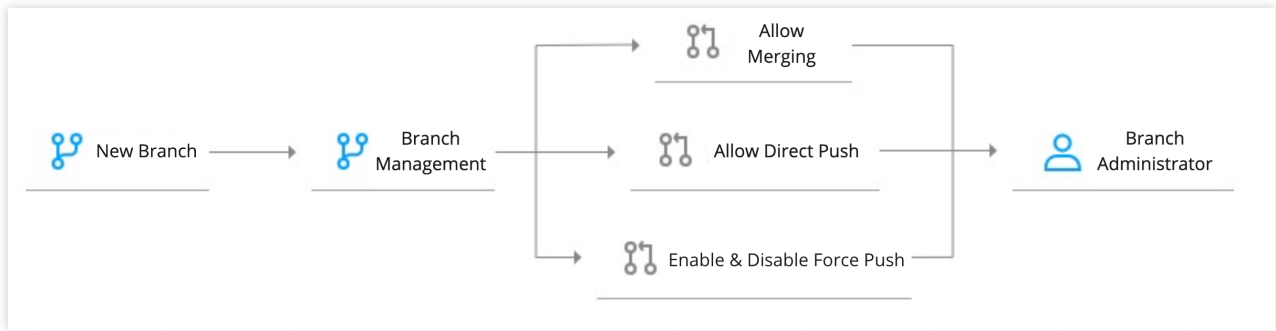
### Code management

CODING-CR supports code management based on Git and SVN, allowing R&D teams to efficiently manage code resources. Git supports commit history, code comparison, branch protection, and public key deployment. But SVN only supports code browsing.



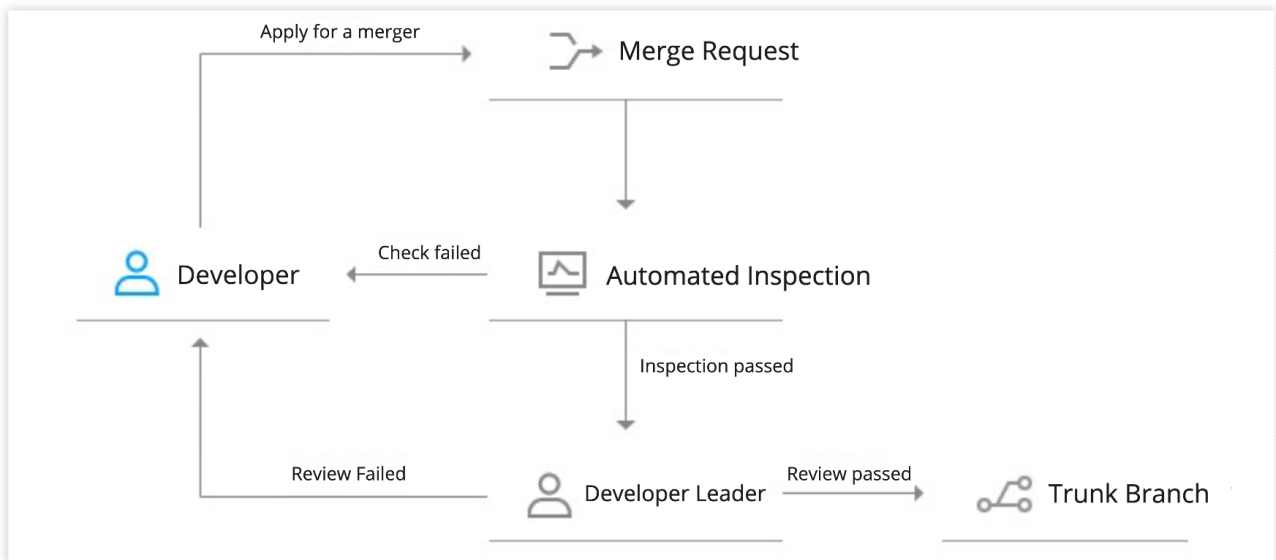
### Branch management

With CODING-CR, you can view the permissions of each branch during team collaboration, set branch operation permissions for each member, and perform accurate and effective management for enhanced security and seamless collaboration.



### Code review

Written codes can be reviewed and approved by team members before being merged into the master branch. You can configure automated tools such as continuous integration to check the code style and quality for supplementary review.



# Benefits

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CODING Code Repositories (CODING-CR) is a convenient cloud-based collaborative R&D tool powered by Tencent Cloud. It boasts the following benefits:

## High-availability repositories

CODING-CR provides high-performance remote code repositories and unlimited distributed cloud computing and storage resources that can be managed in both Git and SVN modes. Its cloud-based high-availability environments guarantee the security of your data, and its local services deliver a faster user experience and support upload and download at unlimited speed.

## Code review

CODING-CR allows developers to create a merge request after writing codes in order to invite other developers for code review. Codes can be reviewed line by line, which delivers better code reading and review experience and helps establish an all-around code review mechanism to minimize code errors and improve code quality.

## Release management

CODING-CR enables Git-based version management. Specifically, it allows you to package and release codes at a certain node, with each version corresponding to a tag. You can select the latest code of a branch to release a version with an automatically generated changelog and standard version number, and associate it with tasks and milestones, which makes source code release and delivery more standardized and efficient.

## Code browsing

CODING-CR delivers a great code browsing experience in which codes can be browsed side by side in a vertical and horizontal manner. In this way, you can see the code lines before and after each modification, understand how many lines of code are modified, and comment on each modified line. This gives a clear and complete picture of every code change made.

## Branch protection

CODING-CR supports the granular management of code branches and the refined permission management for team members. It allows configuring branch admins so that only authorized members can make changes and specific branches can be protected from being tampered with by unauthorized members, making team collaboration more standardized and orderly.

# Scenarios

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CODING Code Repository (CODING-CR) provides code management, branch management, and code review functions.

## Code management

CODING-CR supports Git and SVN modes for code management and features commit history, code comparison, branch protection, and public key deployment to assist R&D teams in efficiently managing code resources.

## Branch management

With CODING-CR, you can view the permissions of each branch during team collaboration, set branch operation permissions for each member, and perform accurate and effective management for enhanced security and seamless collaboration.

## Code review

Written codes can be reviewed and approved by team members before being merged into the master branch. You can configure automated tools such as continuous integration to check the code style and quality for supplementary review.