

蓝鲸CICDKit产品介绍

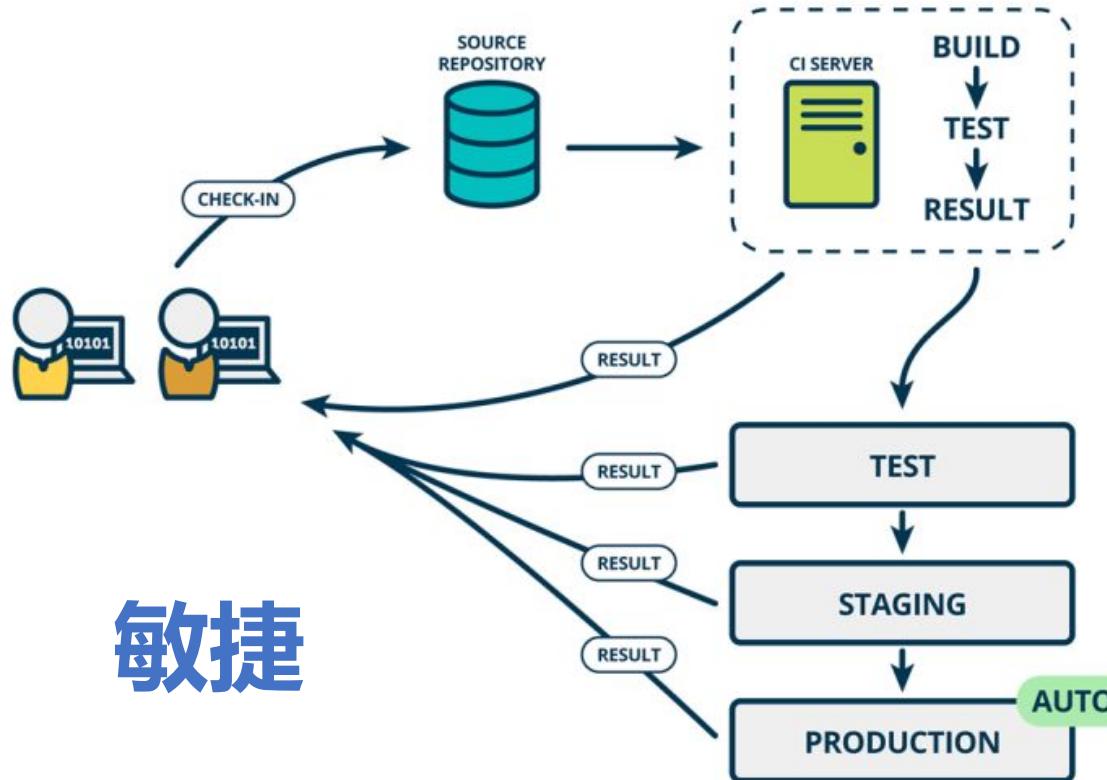


蓝鲸智云

Tencent 腾讯



Tencent BlueKing 腾讯 蓝鲸智云



敏捷

持续集成 CI

持续部署 CD

2 蓝鲸智云

II 产品功能架构



II 产品技术架构



maven

sonarqube



xUnit



Jenkins



标准运维



作业平台



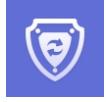
配置平台



管控平台



监控平台



故障自愈



日志检索

功能列表

The screenshot shows the CICDKIT dashboard with the following key elements:

- Top Metrics:**
 - 流水线 (Pipeline): 141次 (Scheduled: 41, Manual: 97, Automatic: 3)
 - 构件仓库 (Components): 7个 (Components: 6, Images: 1)
 - 部署 (Deployment): 115次 (Not Executed: 3, Building: 17, Completed: 95)
 - 代码质量 (Code Quality): 48.3k行 (Bugs: 69, Leaks: 150, Smells: 1442)
- 常用任务:** A section for common tasks.
- 业务动态 (Business Activity):** A list of recent pipeline executions by user "admin".
 - [2018-07-19 14:00:01] 微信公众号管理系统 #64, 耗时87秒
 - [2018-07-19 13:00:01] 微信公众号管理系统 #63, 耗时64秒
 - [2018-07-19 12:00:01] 微信公众号管理系统 #62, 耗时71秒
 - [2018-07-19 11:00:01] 微信公众号管理系统 #61, 耗时66秒
- 任务类型占比 (Task Type Distribution):** A pie chart showing the distribution of tasks between Deployment (部署) and Pipeline (流水线). The Deployment slice is labeled "部署" and the Pipeline slice is labeled "流水线".
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- 流水线
- 构件仓库
- 部署
- 报表
- 构建机管理
- 度量数据

// 功能介绍—流水线

流水线页面默认显示流水线列表，可快捷启动、停止已经设计好的流水线，也可点击对应链接进入编辑、执行历史等功能页面。

The screenshot shows the CicdKit Pipeline management interface. At the top, there is a navigation bar with the CicdKit logo, followed by tabs for Overview, Pipeline (selected), Component Management, Deployment, Report, Build Machine Management, and Metric Data. On the right side of the header, it shows '蓝鲸[2]' and 'admin'. Below the header, a search bar contains the text '流水线'.

The main content area displays a grid of pipeline cards. Each card includes a green '+' button for creating new pipelines. The pipelines listed are:

- 定时windows构建机 (Created by admin, Last run: 2018-06-04 12:40:00)
- windows构建机_copy (Created by admin, Last run: 2018-06-04 13:24:43)
- windows构建机 (Created by admin, Last run: 2018-06-04 11:26:57)
- 构建机01 (Created by admin, Last run: 2018-06-04 09:48:24)
- 新建流水线152810075... (Created by admin, Last run: 2018-06-04 08:27:00)
- 新建流水线152809952... (Created by admin, Last run: 2018-06-04 08:05:53)
- t1 (Created by admin, Last run: 2018-06-04 14:10:39)
- 新建流水线152809676... (Created by admin, Last run: 2018-06-04 07:18:08)
- 新建流水线152809656... (Created by admin, Last run: 2018-06-04 07:18:08)
- ddfdfdfdfdfddffdfdfdf... (Created by admin, Last run: 2018-06-04 02:17:15)
- 新建流水线152807859... (Created by admin, Last run: 2018-06-04 02:17:15)

Each pipeline card has three action buttons: 编辑 (Edit), 停止 (Stop), and 历史 (History).

II 功能介绍—流水线编排

流水线编辑页面包括全局参数设置、阶段设计、原子节点编排等功能，可根据团队需求自定义符合需求的流水线。

The screenshot shows the CICDKIT流水线编辑 interface for a Java project. The top navigation bar includes links for Total View, Pipeline (highlighted in green), Component Management, Deployment, Reports, Build Machine Management, and Metric Data. The user is logged in as admin.

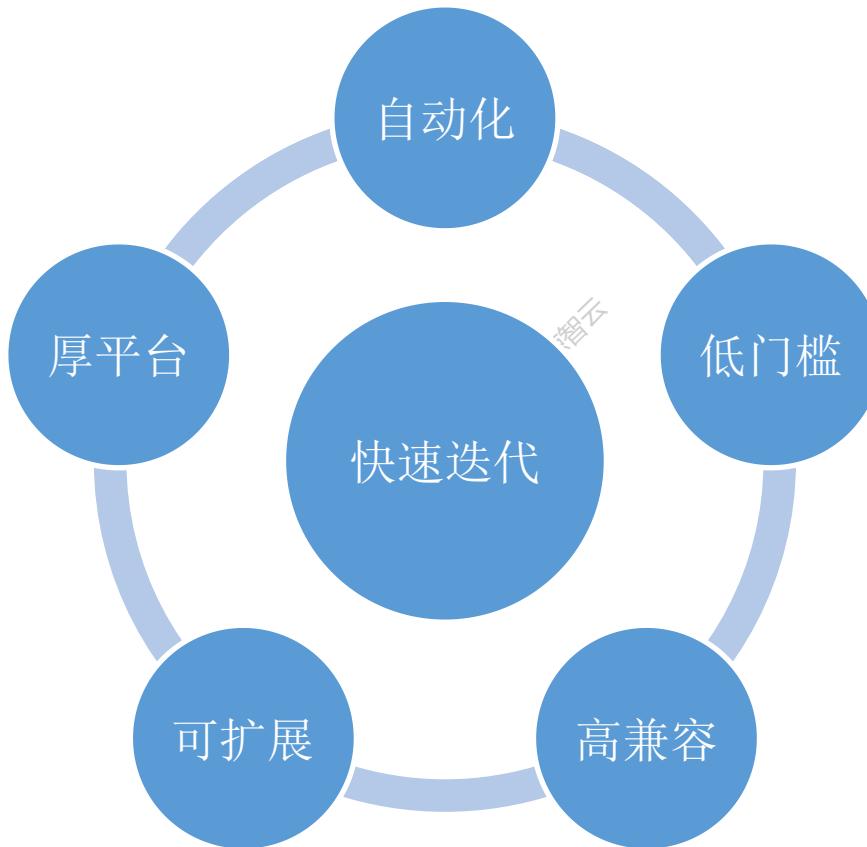
The main area displays a four-stage pipeline structure:

- 1 开始 (0个参数)**: Contains a "全局设置" (Global Configuration) node and a "+ 添加全局参数" (Add Global Parameters) button.
- 2 开发阶段 (7个任务)**: Contains nodes for "拉取源代码" (Pull Source Code), "编译构建" (Compile Build), "单元测试" (Unit Testing), "代码检查" (Code Review), "归档" (Archiving), "构建镜像" (Build Image), and "推送镜像" (Push Image). A "+ 添加任务" (Add Task) button is also present.
- 3 运维阶段 (2个任务)**: Contains nodes for "人工审核" (Manual Audit) and "部署" (Deployment).
- 4 结束 (2个阶段)**: Shows summary statistics: "本流水线共有:" (Total pipeline has:), "2个阶段" (2 stages), "0个参数" (0 parameters), and "9个任务" (9 tasks).

At the bottom, there are four action buttons: 保存 (Save), 保存并执行 (Save and Execute), 另存 (Save As), and 取消 (Cancel).



II 产品特点



CICDKit vs Jenkins

无需学习Pipeline脚本，入门简单

无需研究插件整合，拿来即用

无缝整合蓝鲸体系，快速复用平台能力

统计报表、度量数据支持



<https://bk.tencent.com>