



服务器监控系统使用指南

系统概述

基于Web的服务器监控平台，通过SSH连接远程服务器，实时监控CPU和内存使用情况，提供可视化界面和智能告警。

快速开始

1. 访问系统

打开浏览器访问监控系统地址（如：<http://localhost:5000>）

The screenshot shows the main dashboard of the server monitoring system. At the top, there's a navigation bar with links for '监控大屏', '告警中心', '历史数据', and '统计分析'. The main area has a summary section with counts for online, offline, and total servers. Below that are sections for '资源使用概览' (Resource Usage Overview) showing 0% CPU and memory usage, and '实时监控数据' (Real-time Monitoring Data) which is currently empty. On the left, there's a form for adding a new host, with fields for IP address (192.168.1.100), username (root), password, and SSH port (22), followed by a '添加主机' (Add Host) button.

2. 添加监控主机

方法一：Web界面添加

- 在首页找到"添加被监控主机"表单
- 填写服务器信息：
 - IP地址（必填）
 - 用户名（必填）
 - 密码（必填）
 - SSH端口（可选，默认22）
- 点击"添加主机"按钮

The image shows a close-up of the 'Add Monitored Host' form. The 'IP地址' (IP Address) field is highlighted with a blue border, indicating it is the active input field. The other fields ('用户名' (Username), '密码' (Password), 'SSH端口' (SSH Port)) are shown with their respective placeholder values ('root', 'root', '22'). A '添加主机' (Add Host) button is visible at the bottom right of the form.

监控查看

1. 实时监控大屏

状态概览

- 在线服务器 ● - 正常连接的服务器数量
- 离线服务器 ● - 连接失败的服务器数量
- 资源使用率 - 平均CPU和内存使用率

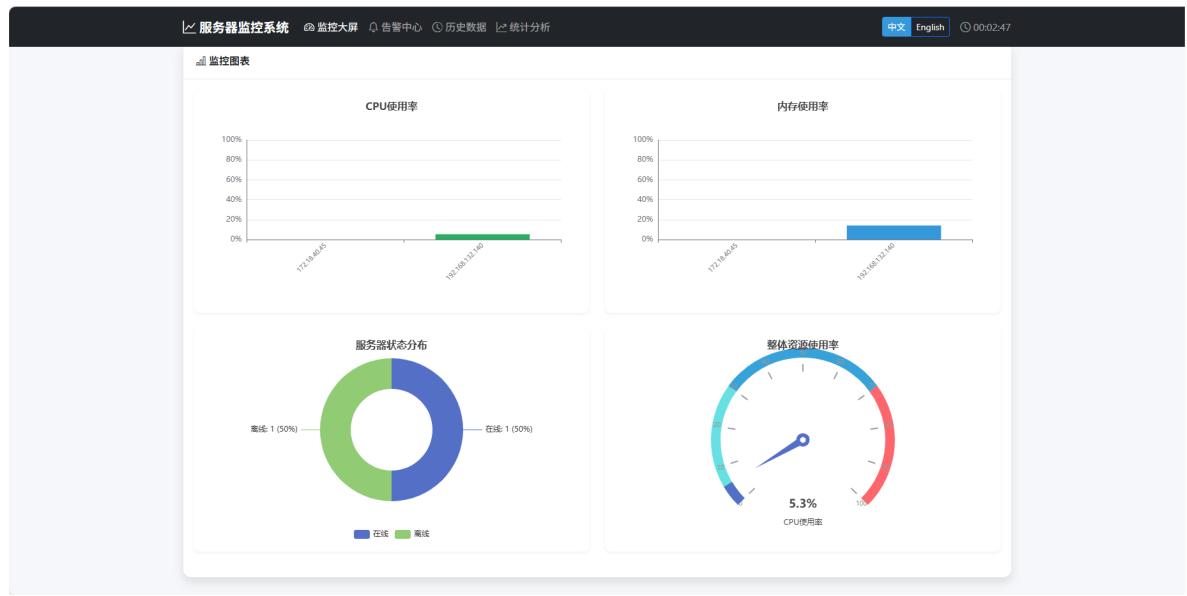


2. 数据刷新

- 自动刷新: 每30秒自动更新
- 手动刷新: 点击"刷新"按钮
- 单个刷新: 点击服务器操作栏的刷新按钮

The interface includes the following sections:

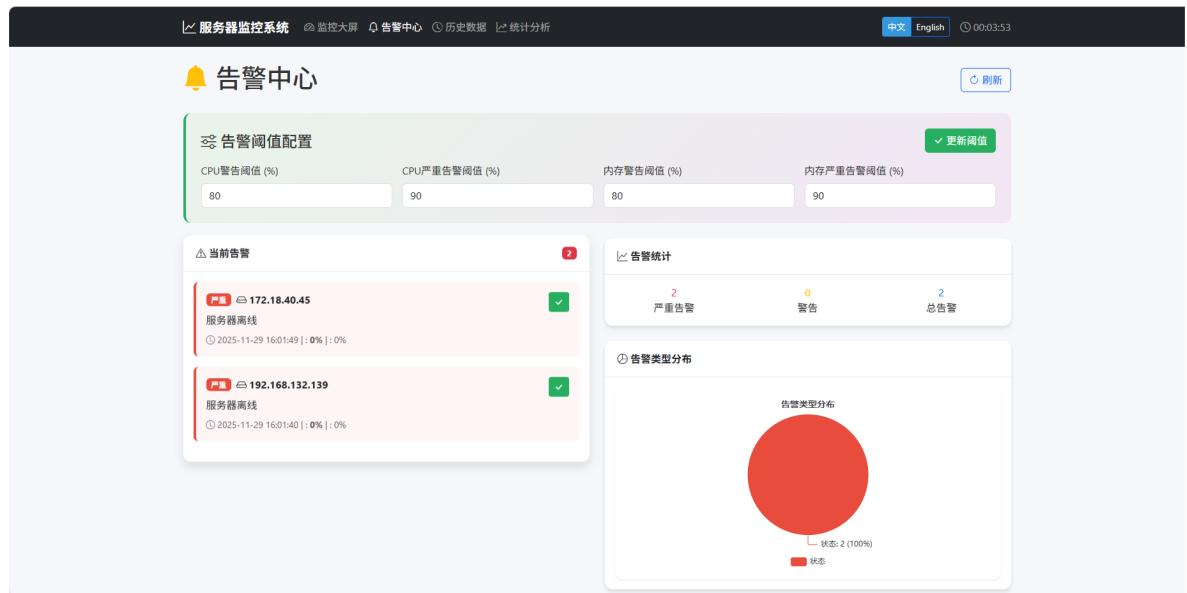
- 告警中心**: Shows 2 severe alerts and 1 warning, last updated at 2025/11/30 00:02:44. Includes "详细数据" (Detailed Data) and "刷新" (Refresh) buttons.
- 主机列表**: Lists three hosts: 192.168.1.100, 192.168.132.140, and 172.18.40.45, each with IP address, username (root), password, and SSH port (22).
- 服务器状态概览**: Summary of 1 online server, 1 offline server, and 2 total servers.
- 资源使用概览**: Average CPU usage at 5.3% and average memory usage at 14.1%.
- 实时监控数据**: Real-time monitoring data table for the host 192.168.132.140, showing CPU usage, memory usage, status, and last update.



告警管理

1. 告警阈值配置

- 进入"告警中心"页面
- 在"告警阈值配置"区域设置：
 - CPU警告阈值 (默认80%)
 - CPU严重阈值 (默认90%)
 - 内存警告阈值 (默认80%)
 - 内存严重阈值 (默认90%)
- 点击"更新阈值"保存



数据分析

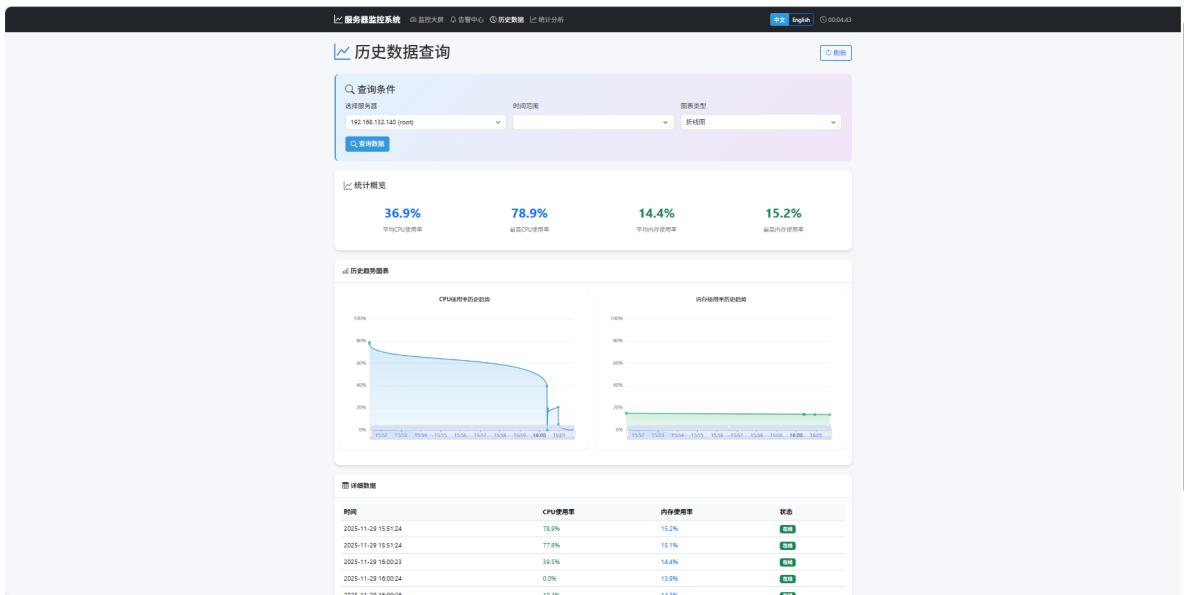
1. 历史数据查询

1. 进入"历史数据"页面

2. 设置查询条件:

- 选择服务器 (必选)
- 时间范围 (1小时到7天)
- 图表类型 (折线图/柱状图/面积图)

3. 点击"查询数据"



2. 统计分析

1. 进入"统计分析"页面

2. 设置分析条件:

- 选择服务器
- 分析周期 (1天到30天)
- 指标类型 (CPU/内存/两者)

3. 点击"生成分析报告"

