ZABBIX

Zabbix + SUSE Rancher: Observability and Auto-Remediation in Kubernetes

Enterprise open source solution

SUSE

Each tool has a distinct role. Together, they close the full loop, from alert to fix, avoiding manual intervention.

SUSE Rancher

Centralized management

Unified control of all Kubernetes clusters, regardless of the provider

Fleet

Standardization via GitOps

Configuration as code, applied automatically to all clusters

Zabbix

Monitoring and alerting

Telemetry collection, failure detection and historical incident data

AI agent

Diagnosis and remediation

Identifies the root cause, proposes a fix and closes the ticket automatically

The role of each technology

SUSE Rancher	Control layer: unifies access policies, identity and visibility across heterogeneous environments. Eliminates manual cluster-by-cluster access.
Fleet (GitOps)	Continuous delivery: monitors Git repositories and automatically reconciles any drift between the declared and the actual state, including installing Zabbix on new clusters.
Zabbix	Observability: monitors all clusters registered in Rancher, fires alerts via triggers and serves as the source of historical incident data for the AI agent via MCP.
AI agent	Closing the loop: receives the Zabbix alert, queries the incident history, analyzes logs and the Git repository, proposes a fix via PR and closes the ticket after approval.

How an incident is resolved

1. **Zabbix detects the failure.** A trigger fires an alert, such as a pod not starting due to a container image error.
2. **The AI agent assesses the context.** It queries the incident history database and collects logs via Rancher.
3. **Root cause identified in the Git repository.** The agent goes through the files and proposes a fix via pull request.
4. **Human validation.** The fix is applied only after approval by the responsible engineer.
5. **Fleet reconciles the state.** It applies the change to all affected clusters. Zabbix closes the ticket via MCP and records the incident.

Platform teams become more strategic with enterprise open source

By using the Zabbix and SUSE Rancher platforms together to monitor Kubernetes clusters, platform teams stop working reactively, spending much of their time fighting incidents, and focus their efforts on evolving the infrastructure, innovation and delivering more value to the business.

Talk to the Zabbix team and learn how to elevate your operation with **open source**

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