The future of observability won't be one proprietary AI agent. It will be thousands built by you.



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ClickHouse

Every team has a different root cause workflow

DB SRE

01 Establish database context

02 Inspect errors, memory, merges

03 Investigate queries and replication

04 Correlate with C++ source code

05 **Verify root cause**

Application

01 Identify affected user journey

02 Inspect browser errors and sessions

03 Trace failing API requests

04 Identify regression or dependency

05 **Validate user-facing fix**

Data plane

01 Assess customer impact

02 Review deployments and configs

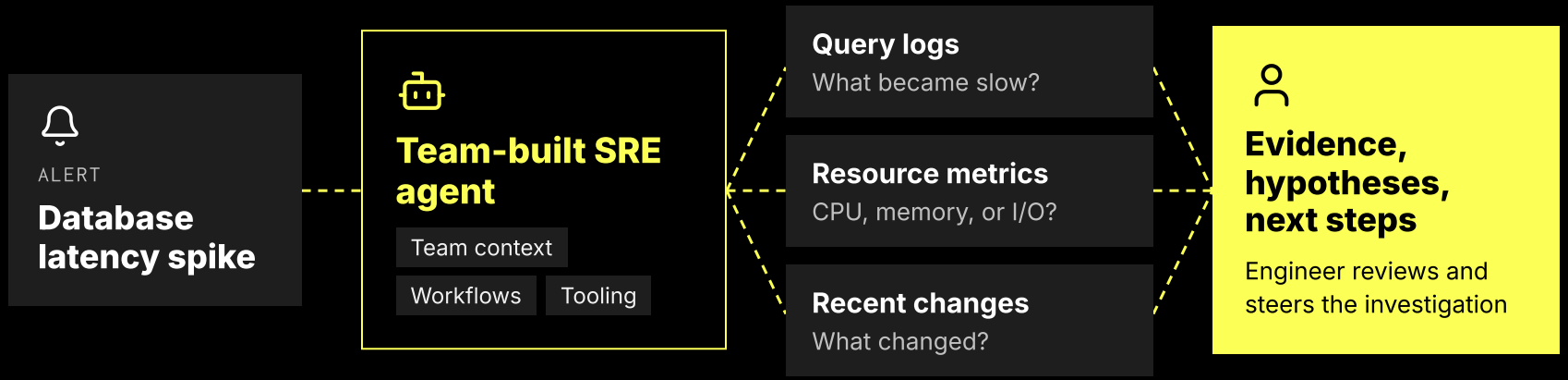
03 Inspect pods, nodes, and networking

04 Restore availability

05 **Root cause and handoff**

Teams should build agents around their own workflows

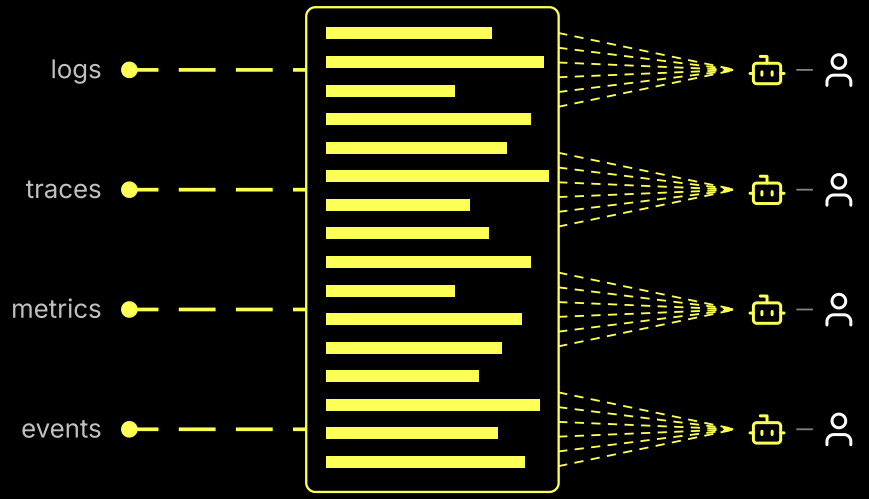
Observability is personal to each team, so the agents triaging its issues should be too.



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Thousands of agents change the workload

- **Full-fidelity data.** Agents cannot diagnose what was sampled away, and they have no intuition to fill the gaps.
- **Long-term context.** Agents have no memory of how the system behaved last quarter, so history has to be in the data.
- **Far more queries.** Every hypothesis becomes many queries, so throttling stalls the investigation.
- **Fast, concurrent execution.** Dozens of investigations run at once, and each is only as fast as its slowest query.



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The platform must help agents investigate reliably

Specialized tools, team context, evidence, and evaluation.

01

Investigation tools

Semantic tools over MCP for log patterns, trace outliers and correlation. SQL for everything else.

02

Operational context

Source code, deployments, ownership, runbooks and past incidents, kept accurate.

03

Inspectable investigations

Queries, evidence and ruled-out hypotheses in notebooks engineers can review and steer.

04

Evaluations

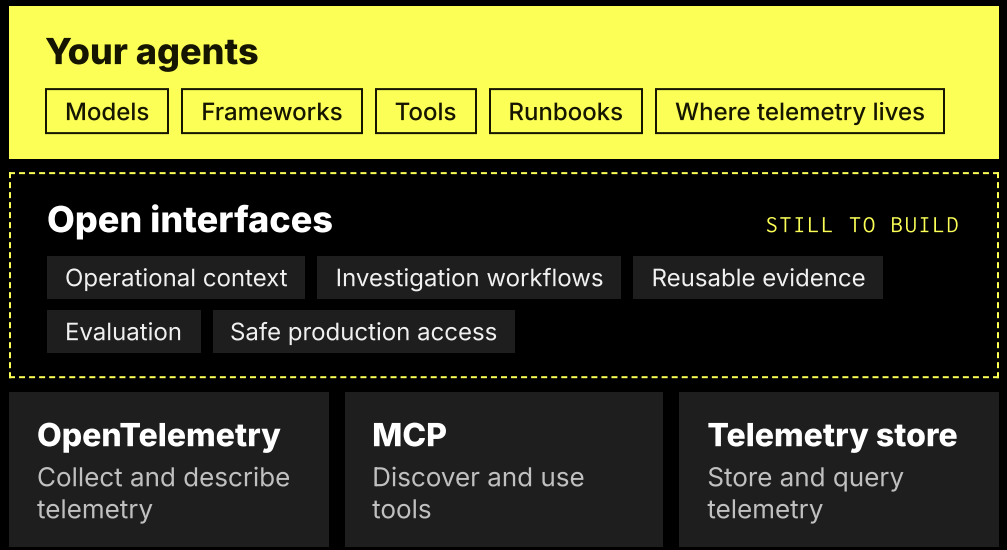
Replay incidents with point-in-time evidence. Measure correctness, cost and interventions.

Security and agent-level permissions

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Let’s build these foundations in the open

Open source, open interfaces, with your custom agents.



Building an AI SRE agent?

Small personal tool or org-wide platform, we’d like to see what you’re working on.

Find us at the ClickHouse Booth Outside

Or later this week at #108 near the entrance at the expo hall

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