AGENTICS DAY: MCP + AGENTS · KubeCon NA 2026

From alert to pull request in *minutes*

Wiring NeuBird to coding agents like GitHub Copilot via MCP

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AGENDA

What we'll *cover*

1	**The 2am page**	Why incident response is still a manual race against the clock
2	**Agents, wired together**	A production ops agent and a coding agent, connected with MCP
3	**Live demo**	From a traffic surge to a merged pull request on PelicanPay
4	**Putting it into practice**	What to take back to your own platform

THE MOTIVATION

The 2am *page*

Escalations, outages, and on calls

An alert fires. An on-call engineer spends hours correlating signals across observability tools, drafts a quick fix under pressure, and hopes it clears review before the SLA clock runs out.

And it's not just downtime. It's lost revenue, SLA penalties, and disruption that cascades across every dependent service.

$400B

lost to downtime each year across the world's 2,000 largest companies

Splunk & Oxford Economics, 2024

$2M

median cost per hour of a high-impact IT outage

New Relic Observability Forecast, 2025

$76M

median yearly cost of high-impact IT outages per organization

New Relic Observability Forecast, 2025

THE MOTIVATION

A manual race against the *clock*

1

On-call alert

Alert fires. On-call engineer paged. Incident response initiated.

2

Hours to analysis

Manually correlate signals across observability tools.

3

Under pressure fix

Engineer drafts a fix solo, racing the clock.

4

Hope

Submit for review and hope it clears before the SLA deadline.



Elapsed time: hours, under pressure, with no guarantee of a clean audit trail

THE GOAL

An automated pipeline, agents working *for you*

PRODUCTION OPS AGENT

NeuBird

- Watches alerts as they fire
- Correlates telemetry across observability tools
- Produces a root-cause analysis with evidence, before a human opens a dashboard

MCP

CODING AGENT

e.g. GitHub Copilot

- Takes the RCA as context
- Drives a targeted code fix
- Runs it through security scans and test pipelines
- Opens the PR, starting the standard SDLC and agentic code review

MCP hands the root cause from one agent to the other, with no copy-paste in between.

THE INVESTIGATION

How the agent builds an evidence-based *RCA*

1

Gather

Pulls metrics, logs, traces, Kubernetes events and recent deploys around the alert.

→

2

Correlate

Lines the signals up on one timeline and across service dependencies.

→

3

Test hypotheses

Checks likely causes against the data and rules out the ones it doesn't support.

→

4

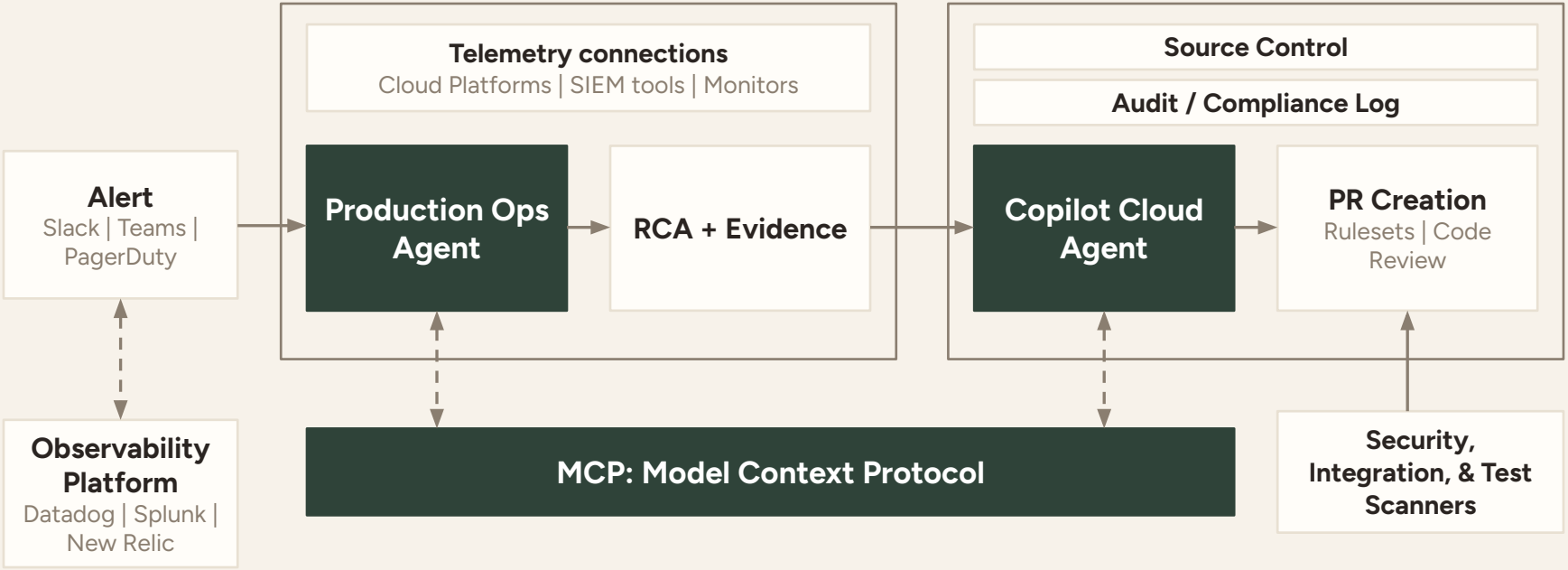
Summarize

Writes the root cause, links to the supporting evidence, a confidence level and a recommended fix.

Every claim in the RCA points back to the data it came from.

THE GOAL

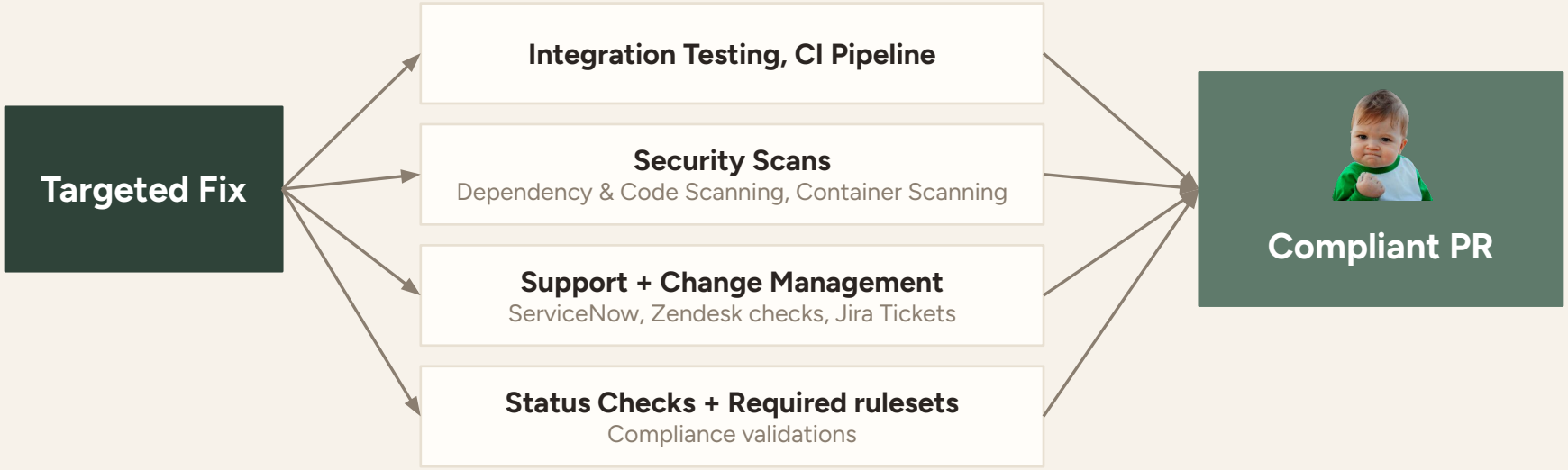
Blueprint for the *orchestration*



Dark green: updated agentic capabilities to the flow

THE GOAL

Consistent standards: The same gates, every *time*



Gates run automatically and in parallel. Speed never means skipping a scan.

GUARDRAILS

What needs *care*

1	**Evidence and test coverage**	The fix is only as good as the RCA evidence and the tests that check it.
2	**MCP credentials**	Give MCP servers scoped, least-privilege tokens.
3	**The agent's sandbox**	Allowlist only the network access the agent needs.
4	**Untrusted input**	Issue and RCA text become agent input. Watch for prompt injection.
5	**Human ownership**	The merge, infrastructure changes, and rollbacks stay with your team.

WHY IT MATTERS

Faster, more auditable, built for *scale*

FASTER

Minutes, not hours

Alert to tested PR in minutes, while the on-call engineer reviews instead of digging.

MORE AUDITABLE

Evidence by default

Every incident leaves an RCA, its evidence, and a linked PR with scan and test results.

BUILT FOR SCALE

Every service, every team

The same agents, MCP wiring, and gates run for every incident, so response doesn't depend on one hero at 2am.

THE PATTERN

Wiring agents together with *MCP*

ANY STACK



IN THIS DEMO

Azure Monitor + Slack	NeuBird	NeuBird MCP server	Copilot cloud agent	GitHub Actions + rulesets	You

Swap any box. The contract is the RCA, passed over MCP.

AGENTICS DAY · LIVE DEMO

From alert to pull request in *minutes*

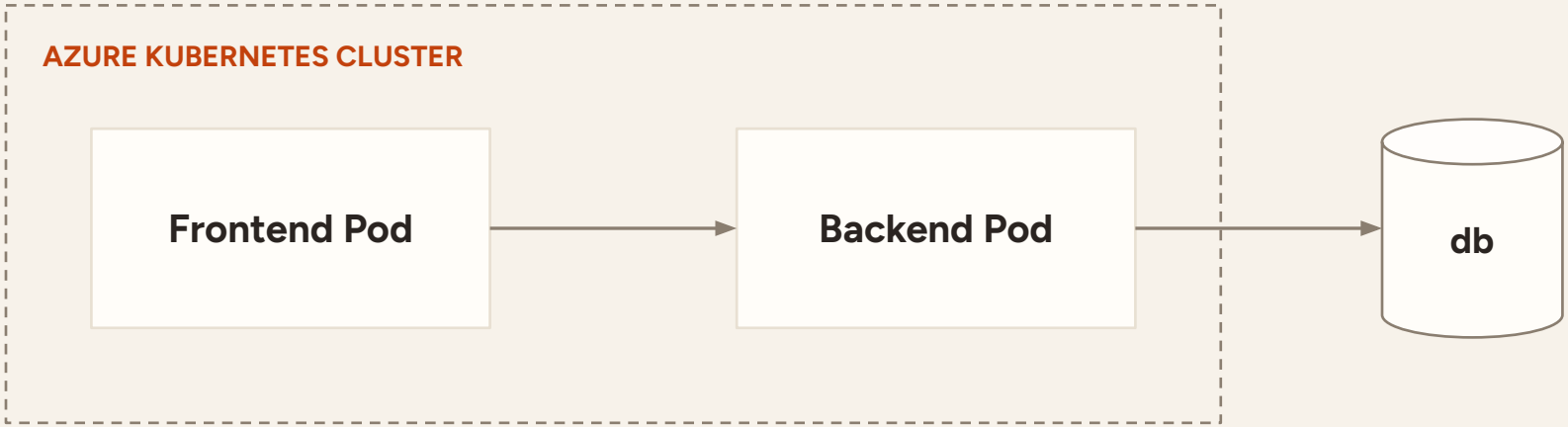
Wiring NeuBird and GitHub Copilot via MCP, on a real payments app

1. **Demo site traffic surges**
2. **Alert fires**
3. **NeuBird investigates**
4. **Copilot takes the issue**
5. **You review and merge**

Grant Griffiths · Founding Engineer, NeuBird AI

THE DEMO APP

PelicanPay *Demo*



THE DEMO

PelicanPay's incident response *flow*

DETECT AND INVESTIGATE

Azure Monitor alert → **Slack alert** via webhook → **NeuBird analysis** Azure Monitor, AKS logs, GitHub audit → **RCA + fix recommendation** in minutes

FIX AND SHIP

Remediation → **Skill calls MCP** Opens an issue with the RCA, assigns Copilot → **Copilot Cloud Agent** Writes the fix, opens the PR → **PR flow** Agentic review, required rulesets, human approver or automerge

AUDIT TRAIL GitHub audit log, PR comments, Actions and Copilot session data, git history

Dark green: agentic steps

THE RESULT

What's in the PR: built for *audit*

✓	**RCA narrative + supporting evidence**	Logs, metrics, and traces, not just a one-line summary.
✓	**Linked alert & incident timeline**	The full chain from page to PR, preserved automatically.
✓	**A diff scoped to the root cause**	A targeted change driven by evidence, not a guess made under pressure.
✓	**Security & test results, attached**	Pass/fail status inline, nothing to chase down later.
✓	**A reviewer-ready summary**	Audit trail by default, not bolted on after the fact.

KEY TAKEAWAYS

Putting it into *practice*

01

Treat incident response as a pipeline, not a hero effort

Wire agents together with MCP so context (alerts, code, evidence) flows automatically.

02

Let the RCA drive the fix

A targeted, evidence-backed change beats a guess made under pressure.

03

Keep every existing security and compliance gate in the loop

Speed should never mean skipping a scan.

04

Auditability is a byproduct of the architecture

Not an afterthought bolted on after the incident is closed.

TAKEAWAYS

From 2am page to reviewed PR in *minutes*

NEUBIRD INVESTIGATES

- Reads your telemetry
- Finds the root cause
- Backs it with evidence

MCP HANDS IT OFF

- RCA flows to Copilot
- No copy-paste handoff
- Any MCP client works

COPILOT FIXES IT

- Writes a targeted fix
- Opens a PR with a test
- You review and merge

CONNECT NEUBIRD TO COPILOT

`npx -y @neubirdai/mcp-server-neubird` · docs.neubird.ai/mcp/overview

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