



AP-Guard

The Autonomous AI Agent Stopping Invoice Duplicates

The "Hidden 1%" Problem

Accounts Payable departments are a major source of financial leakage. But the problem isn't obvious—it's hidden in "fuzzy" errors that basic software can't catch.



Manual Typos

INV123 vs. 1NV123 slip through traditional systems



Vendor Variations

ABC Inc. vs. ABC, Inc. appear as different entities



Process Gaps

Vendors email invoices, then mail paper copies—creating doubles

These aren't simple duplicates; they are **complex human errors** that bypass standard checks and cost you real money.

The Staggering Cost

This Isn't a Small Problem

Industry benchmarks show that companies lose **1.29% to 1.47%** of all invoice payments to these "fuzzy" duplicates.

Best-in-class performers use automation to drive this rate down to **0.08%**. We built that automation.

\$690K

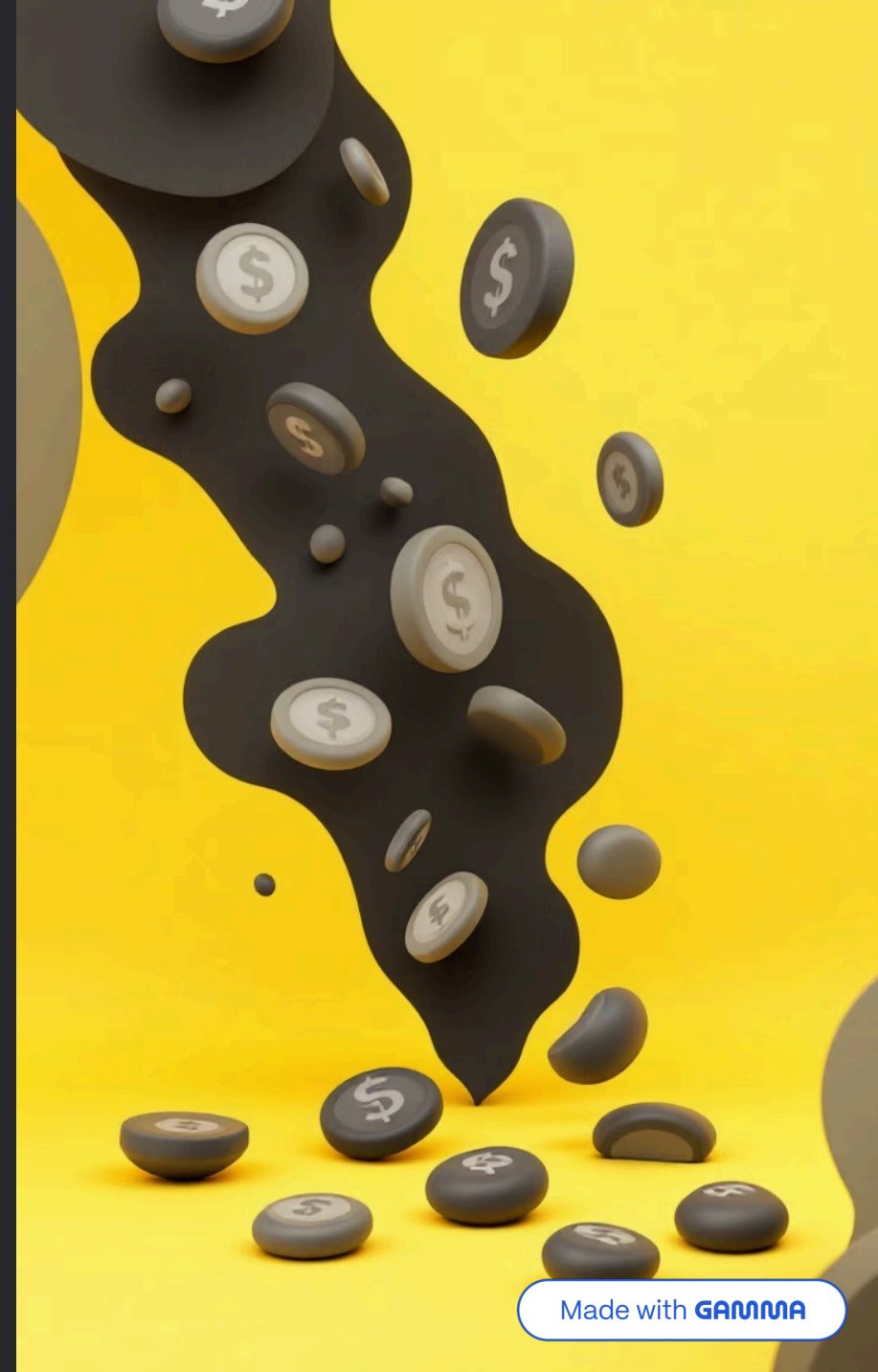
Annual Loss

For a company processing
\$50M in invoices

1.38%

Average Loss Rate

Direct, unrecoverable losses
every year





Our Solution: The "AP-Guard" Agent

We built an **Autonomous Agent** in Copilot Studio that intelligently intercepts these advanced duplicates *before* they are processed.

01

Monitors

Autonomously watches the 'New Invoices' SharePoint folder 24/7

02

Thinks

Uses Generative AI (RAG) to read the new invoice and semantically search its entire knowledge base of past paid invoice files

03

Alerts

When a high-confidence match is found, it instantly posts an Adaptive Card in Teams for human review and one-click rejection

It's not just a bot; it's an augmented **team member** for your AP department.

How It Works: The 30-Second Flow

Ingest. Analyze. Alert.



INGEST

An employee drops a new invoice (Contoso_INV-100_1500.pdf) into the 'New Invoices' folder. The **Autonomous Agent (MCS7)** instantly activates.



ANALYZE

The agent parses the new file and uses **RAG (MCS8)** to search its knowledge base. It finds a "fuzzy" match: Contoso-Inc_INV-100_1500.pdf—same amount, slight name variation.



ALERT

The agent calls a **Tool (MCS3)** to post a rich Adaptive Card in Teams. The AP team sees both files side-by-side with the agent's reasoning. Problem solved.



The Tech Stack

Built with the Future of Copilot Studio

Autonomous Agents

This is the "brain." We used a **native SharePoint trigger**, eliminating all complex plumbing. It's a true "no-code" autonomous process that just works.

RAG for Knowledge

This is the "magic." The agent isn't just checking a database; it's *reading* your entire archive of past invoice PDFs. This allows it to catch the human errors and typos that other systems miss.

Actionable Tools

The agent doesn't just "talk"; it *does*. By calling a Power Automate flow, it delivers a rich, actionable alert right where the team works: in Microsoft Teams.



The Impact & ROI

Direct, Measurable, & Immediate ROI

Hard-Dollar Savings

Directly reduces the 1.29% average loss rate, providing an immediate, **six-figure ROI** for a mid-sized company.

Increased Productivity

Frees the AP team from manual, error-prone "treasure hunts" for duplicates, letting them focus on high-value work.

Compliance & Control

Provides a **100% auditable**, automated control point, catching errors *before* the money leaves the building.



Thank You

Team Phoenix (Anjali, Alok & Rahul)

AP-Guard

Stop the leaks. Start the savings.