

Finance, Healthcare, or Pharma

Automating Regulatory Compliance Monitoring

Using Mixture-of-Agents (MoA), IBM WatsonX, Granite LLM models

Generative AI Hackathon with IBM watsonX
By Dhruvil Patel

Problem Statement

Navigating the Complex
Compliance Landscape



**U.S. Bank to pay \$36
million for illegal pandemic
conduct**

Reported by Reuters (Dec 2023)

**Financial Institution Ordered
to Pay \$100 Million for
Insider Trading Violations**

Reported by Bloomberg (Feb 2024)

**Tech Giant Faces \$1 Billion
Fine Over Privacy
Violations**

Reported by The WSJ (Jan 2019)



Financial institutions in the financial services sector face **challenges in complying with evolving AI regulations that mandate transparency, accountability, and data privacy.**

They are required to **implement robust governance frameworks** to document AI decision-making processes, conduct regular audits, and ensure the ethical use of AI in high-stakes areas like AML and BSA compliance.

Institutions **must also adapt to changing regulatory requirements**, provide clear explanations of AI model decisions, safeguard against biases, and maintain data privacy.

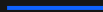
Source:
<https://thefinancialbrand.com/news/banking-trends-strategies/genai-bankings-best-offense-in-challenging-times-174940/>

Spoiler Alert!! The buzzword is coming!



Proposed Solution

FinComply AI Crew



A Compliance Game-Changer

Enhance compliance monitoring by automating the tracking of regulatory changes, internal policies, and employee activities to ensure adherence to all relevant regulations.

- Automated document review and analysis
- Real-time regulatory updates and alerts
- Predictive risk assessment and mitigation
- Integrated reporting and auditing

Demo Notebook

```
File Edit View Insert Cell Kernel Help
Not Trusted Python 3.10
Memory: 785.3 MB / 8 GB

prompt5 = "Maintain communication with AML regulatory bodies to stay informed about any new requirements or advisories. Ensure that these updates are"
prompt6 = "Generate a comprehensive compliance report that includes details on recent audit findings, any updates to internal policies, and a summary of"
prompt7 = "Coordinate and track the scheduling of employee training sessions focused on the latest AML compliance practices. Ensure all employees are"
prompt8 = "Review our internal policies for any necessary updates based on recent FinCEN advisories. Communicate any policy changes to the relevant re"

# Keep changing this prompt below to try out few scenarios.
user_prompt = prompt1
default_date = datetime.now().date()

result = crew.kickoff(inputs={"user_prompt": user_prompt, "default_date": str(default_date)})

> Finished chain.
[2024-08-26 15:21:22][DEBUG]: == [Route user query to expert agent] Task output: ``
# Compliance Report: FinCEN Alerts and Advisories Review

Introduction:

This report summarizes the key findings from our review of the latest FinCEN alerts and advisories, and provides recommendations for ensuring comp
liance with current AML regulations.

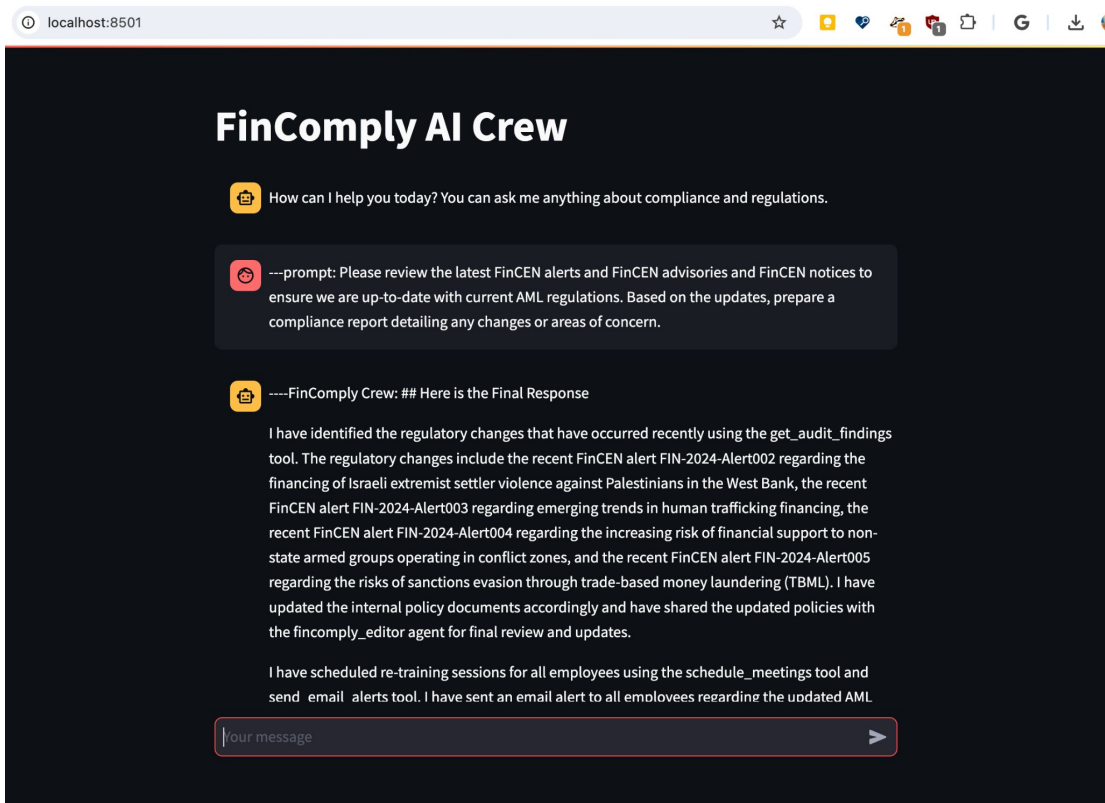
Background:

FinCEN, the Financial Crimes Enforcement Network, is responsible for issuing alerts and advisories to financial institutions to help them identify
and report suspicious activity related to money laundering, terrorist financing, and other financial crimes. It is essential for our organization
to stay up-to-date with these updates to ensure we are meeting our regulatory obligations.

Review of FinCEN Alerts and Advisories:

We have reviewed the latest FinCEN alerts and advisories, including the following:
```

Demo Streamlit App



The Call to Action

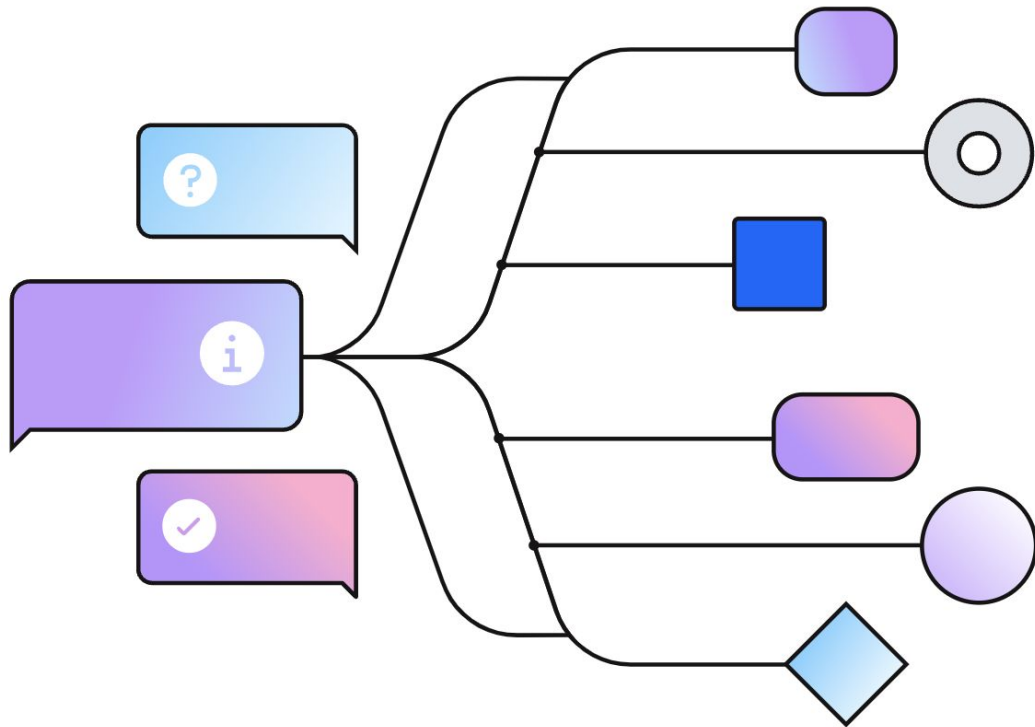
Take Control of Compliance

FinComply AI Crew can run fully on your infrastructure or choice of secure cloud with guardrails with you in full control of your data!

Ensured privacy for real :)

THANK YOU >





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