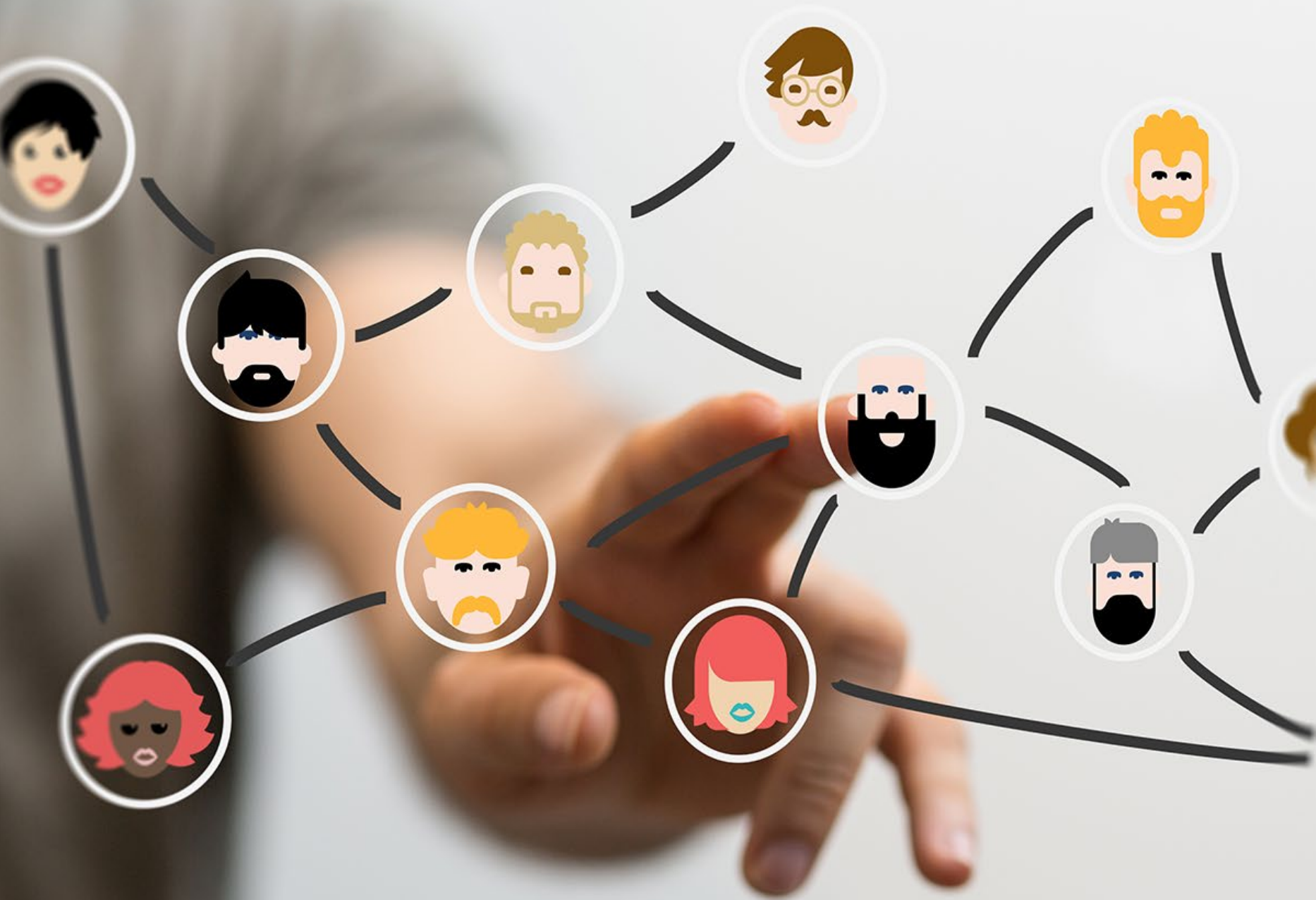




**July
2026**



COLD FUSION
user group **Seattle**



Agenda

- Welcome
- ColdFusion 2023 – Update 22 and ColdFusion 2025 – Update 11
- New AI-enabling features in ColdFusion 2025 Update 8
- ColdFusion Builder for VS Code Update 5
- Adobe ColdFusion Summit 2026 Recap
- Securing Your ColdFusion Data Sources
- New ColdFusion Training Available
- Questions/Answers/Help Needed
- Next Meeting



ColdFusion 2023 – Update 22 & ColdFusion 2025 – Update 11

- **Release Date:** July 14, 2026
- **What does it resolve?** Critical, important, and moderate vulnerabilities that could lead to arbitrary code execution, privilege escalation, arbitrary file system read, and security feature bypass.

More Info: [CF 2025 – Update 11](#) | [CF 2023 – Update 22](#)



New AI-enabling features in ColdFusion 2025 Update 8

ColdFusion 2025 – Update 8 update introduces the following AI-enabling features:

- Native AI and LLM integration
- Model Context Protocol (MCP) support
- Vector stores and Retrieval Augmented Generation (RAG)
- AI guardrails in agent() to filter LLM inputs and outputs via CFC-based validators
- AI Development Support in ColdFusion Builder for Visual Studio Code
- AI services monitoring in PMT (Performance Management Tool)

More Info: [What's New in ColdFusion 2025 – Update 8](#)



New AI-enabling features in ColdFusion 2025 Update 8

Native AI and LLM integration

You can choose the LLM of your choice from:

OpenAI, Anthropic, Mistral, Google Gemini, and Ollama

More info: [Introduction to models in ColdFusion](#)



New AI-enabling features in ColdFusion 2025 Update 8

Model Text Protocol (MCP) Support

Model Context Protocol (MCP) is an open standard for connecting AI models to external systems. It provides a controlled interface layer between an AI agent and your application, giving agents the ability to discover and use tools without unrestricted access to your codebase.

ColdFusion 2025 update 8 supports MCP in both directions as client and server.

More info: [MCPs in ColdFusion](#)



New AI-enabling features in ColdFusion 2025 Update 8

Vector Stores and Retrieval Augmented Generation (RAG)

ColdFusion 2025 update 8 adds a native RAG pipeline that grounds AI responses in your own content.

It supports five vector stores (InMemory, Pinecone, Milvus, Qdrant, Chroma) and offers three approaches: `simpleRAG()` for quick setup, `agent()` with `INGESTION` for full pipeline control in production, and `documentService()` for scheduled or shared ingestion jobs.

More info: [RAG in ColdFusion](#) | [Vector Stores and Embedding](#)



New AI-enabling features in ColdFusion 2025 Update 8

Embedding Models

An embedding model is a specialized machine learning component in Retrieval-Augmented Generation (RAG) that translates natural language into numerical arrays called vectors. It acts as a bridge between human text and a database, capturing the core semantic meaning and context of words and paragraphs.

ColdFusion 2025 – Update 8 (and beyond) offers the following Embedding Model options:

OpenAI, Azure Open AI Service, Mistral AI, Ollama, Gemini, and All-MiniLM (local)



New AI-enabling features in ColdFusion 2025 Update 8

AI guardrails in `agent()` to filter LLM inputs and outputs via CFC-based validators

Large Language Models (LLMs) can produce harmful, insecure, or non-compliant outputs if left ungoverned.

- Shoppers could enter a prompt to apply a 100% discount to an order
- Users can attempt to override your system instructions (for example, “ignore previous instructions” or “reveal your internal rules”) and change how the model behaves
- Users may submit, or the model may generate, content involving self-harm, hate speech, violence, criminal instructions, or other violative material. policy-violating material.



New AI-enabling features in ColdFusion 2025 Update 8

AI guardrails in `agent()` to filter LLM inputs and outputs via CFC-based validators

ColdFusion introduces guardrails: developer-defined validation components that run before and after LLM calls.

Guardrails allow ColdFusion applications to enforce security, safety, and AI ethics policies in a way that is explicit, testable, and under your control.

More info: [Guardrails for AI Ethics and Safety](#)



New AI-enabling features in ColdFusion 2025 Update 8

AI guardrails in `agent()` to filter LLM inputs and outputs via CFC-based validators

ColdFusion introduces guardrails: developer-defined validation components that run before and after LLM calls.

Guardrails allow ColdFusion applications to enforce security, safety, and AI ethics policies in a way that is explicit, testable, and under your control.

More info: [Guardrails for AI Ethics and Safety](#)



New AI-enabling features in ColdFusion 2025 Update 8

AI services monitoring in PMT (Performance Management Tool)

PMT now includes an AI Services dashboard (enabled via Settings > Monitoring > Advanced) with seven tabs covering every layer of the AI stack; LLMs, Agents, RAG, MCP Clients, MCP Servers, Vector Stores, and a Trace Viewer that shows a full flamegraph of each AI request to pinpoint pipeline bottlenecks.

More info: [AI Services Monitoring in PMT](#)



ColdFusion Builder Updates

CF Builder Extension for VS Code Updated for ColdFusion 2025 – Update 8

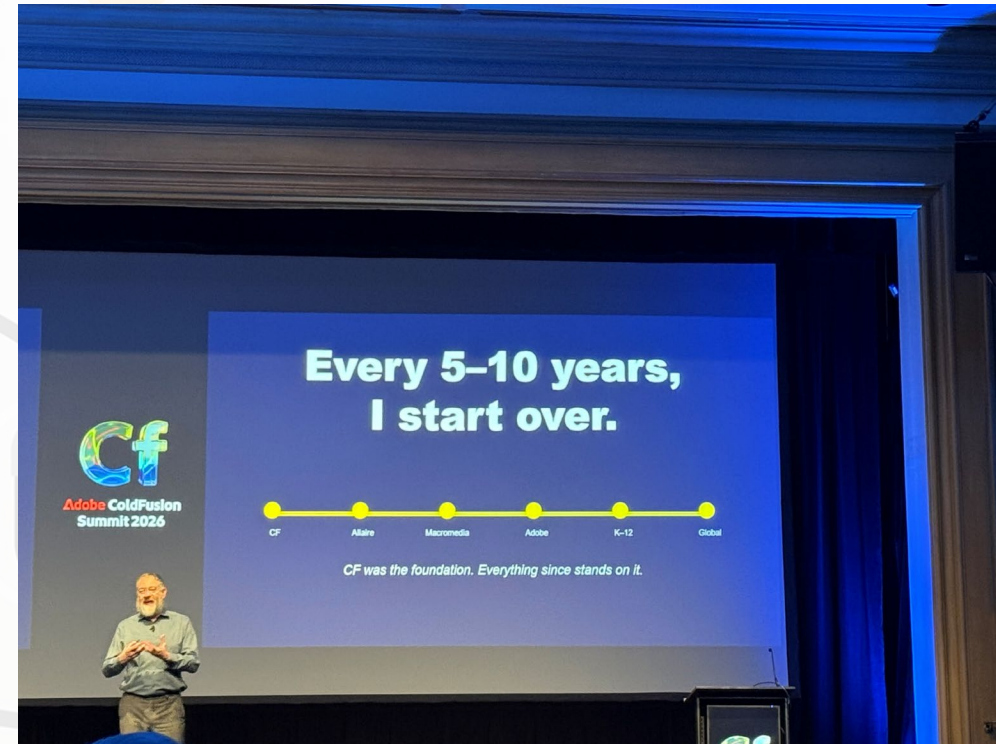
- Now supports Linux and Docker (as a first-class server target with full RDS/debugger support)
- Rebuilt context-aware CFML grammar that no longer breaks syntax highlighting on mixed-language files
- Code completions for AI, Cloud, and MongoDB services with deprecation warnings
- Improved Security Analyzer with new rules, better performance on large codebases, and PDF/CSV export.

More info: [What's New/Changed in CF Builder Update 5](#)



Adobe ColdFusion Summit 2026 Recap Takeaways

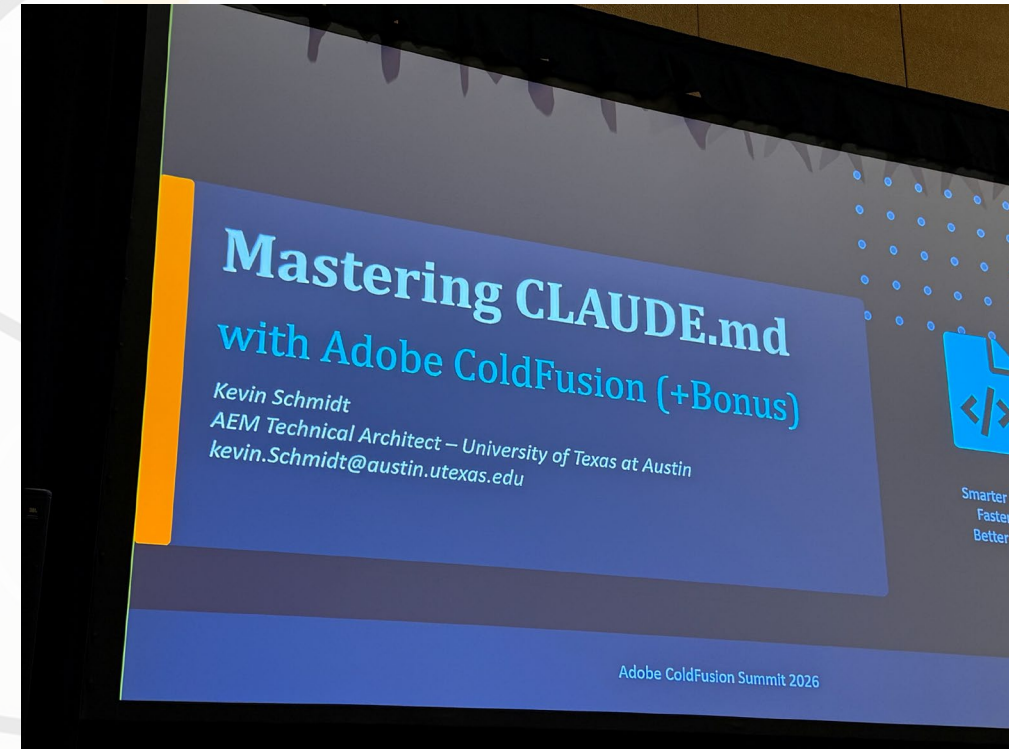
- Ben Forta Keynote!
- Decide if your application really needs AI before making it AI-enabled
- AI Workshop was terrific – 2 sessions – each a day long
- The Bellagio was a great host for CF Summit
- *Magic Links, and Passkeys, and SSO, oh my!* session – none of these are a silver bullet (but they are better than passwords)





Adobe ColdFusion Summit 2026 Recap Takeaways

- Update your ColdFusion Builder Extension! but also now available on Cursor, not just VSCode
<https://coldfusion.adobe.com/2026/06/now-live-adobe-coldfusion-builder-is-now-available-on-cursor/>
- Nolan Erck and others came out with lightweight MVC for CFML called Ziggy MVC <https://ziggymvc.github.io/>
- Using Claude or KIRO, create a ColdFusion Steering file!





Adobe ColdFusion Summit 2026 Recap

- Users received:
 - Free 1 year license to Adobe ColdFusion 2025 Standard



Securing Your ColdFusion Data Sources

Presenter:

William Frankhouser

Senior Web Application Developer

Boeing Commercial Airplanes Digital Engineering



New ColdFusion Training Available

- [ColdFusion Community Portal – Getting Started](#)
- [Adobe ColdFusion YouTube Channel](#)
- [Adobe ColdFusion – Learn and Support](#)
- [Adobe ColdFusion User Guides](#)
- [Adobe ColdFusion Learning Hub](#)



Questions/Answers/ Help Needed

This is your opportunity to ask any ColdFusion question or request help for a ColdFusion-related issue.



Next Meeting

July 16, 2025 – 5:00 PM PDT (online via Zoom).

Using Cloudflare turnstile and Managed Firewall Rules to secure your login pages and reduce contact form SPAM

Leon O'Daniel – The Boeing Company/O'Daniel Creative

- How to implement CloudFlare turnstile to reduce Contact Form SPAM and prevent BOTS from submitting your login pages
- How to use Managed Firewall Rules in Cloudflare to implement managed challenges

ColdFusion Tag/Function O' Month

Will Frankhouser – The Boeing Company/Wilz DeSign