



Case Study

How Diné Development Corporation Built an AI-First Operating Model with StackAI

Overview

Diné Development Corporation (DDC) is a Navajo owned family of companies delivering federal technology solutions that accelerate secure, responsible modernization. With more than two decades of advancing proven cloud adoption, data enablement, digital transformation, modern software development, and cyber security, DDC empowers its customers — from the United States Cyber Command to the United States Air Force — to strengthen efficiency, resilience, and operational advantage.

As Executive Vice President of Innovation at DDC, Dale Ward is responsible for defining the company's long-term technology strategy. When generative AI began reshaping the enterprise landscape, his priority was to establish a foundational AI infrastructure that could scale across DDC's entire organization.

DDC identified StackAI as their partner to create a unified agent infrastructure that could support use cases across the enterprise, and to help accelerate AI adoption in federal agencies across the country.




"I was looking for a company designing systems and solutions based on the capabilities of generative AI, and that's what led me to StackAI. The StackAI team has been amazing, and having StackAI as a platform for DDC has opened the door for us to implement agentic AI across all of our departmental functions at a corporate level."



Dale Ward

Chief AI and Innovation Officer

Impact

-  Empowered AI agent builders, from every experience level
-  Hundreds of use cases across compliance, research, and RFPs
-  Mission-critical automation for the nation's most important federal agencies

Starting with Compliance

StackAI aligned closely with DDC’s vision. The platform provided a flexible foundation for building and deploying agents across multiple departments and workflows. Joe Snell, Sr. Principal Solutions Architect, was among the first to build workflows using StackAI.

Snell’s first project on StackAI was an IATT, IATT-C, and/or ATO Documentation Generator. In regulated environments, assembling accreditation packages requires collecting evidence, mapping controls, and validating implementations before systems can be connected to secure networks. The process is necessary but time-consuming. With StackAI, Snell built a workflow to handle the entire process from end to end.

“Building an accreditation package is tedious. StackAI speeds up that entire process. It helps us understand the controls, document implementations, and produce what we need to get authorization.”



Joe Snell
Sr. Principal Solutions Architect

The screenshot displays the StackAI workflow editor. The main workspace shows a flowchart with several nodes. A right-hand panel is open for the 'System Context Collector' node, showing a configuration window with a prompt and a list of selected nodes.

System Context Collector `llm-0`

and more. Keep the instructions short. Mention any tools here by typing "@@" and selecting the tool.

You are a System Context Collector. Merge system metadata, mission objectives, hardware/software inventories, data flows, and interconnection requirements into a structured JSON system context object for RMF/ATO workflows. Include FIPS 199 categorization based on information types.

Prompt
The data sent in each message. Add data from other nodes by typing "/" and selecting the node.

Edit Formatted

- System Information and Categorization Input
- System Boundary, Environment Types, External Systems, and Roles
- Evidence Upload

Extract and deduplicate all hardware and software items found, regardless of file format (CSV, DOCX, PDF, XLSX, etc.). If inventory is found in files, merge it with any YAML-provided inventory to create a comprehensive list. If no inventory is found for hardware and/or software, set the corresponding inventory list to empty and add a field hardware_inventory_gap and/or software_inventory_gap with the value true and a message such as "No hardware inventory found in YAML or uploaded files." or "No software inventory found in YAML or uploaded files."

Generate the full system context, including:

- IDs and mission objectives
- System boundary and external connections
- Data flows and trust boundaries
- CIA impact ratings
- Information types with FIPS 199 mapping
- Hardware and software inventories (from both YAML and uploaded files)
- Explicit gap fields if inventory is missing

Output ONLY a .JSON object matching the schema. Do not include commentary

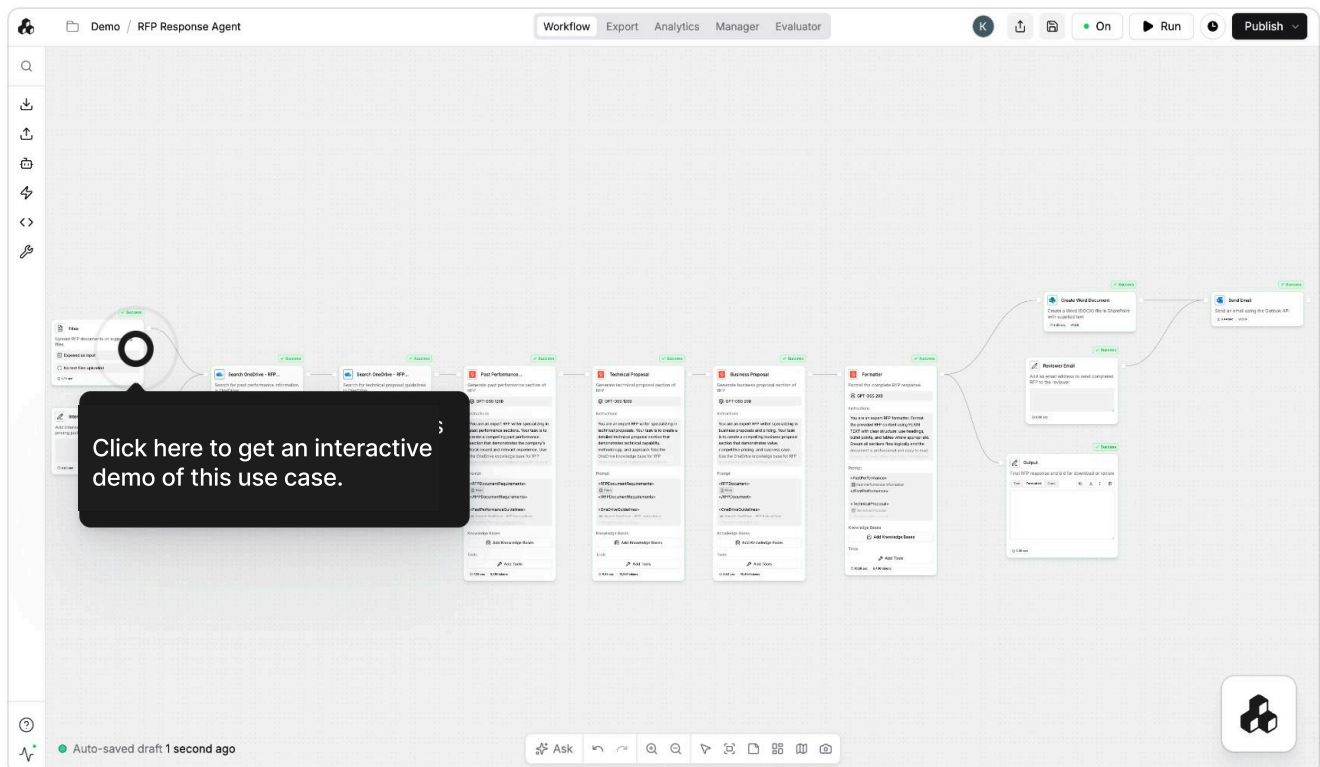
Click here to get an interactive demo of this use case.

Discovering New Use Cases Through Building

Beyond cybersecurity, DDC teams have applied StackAI to internal workflows such as proposal development, intelligence analysis, and research-heavy tasks. Many of these use cases emerged only after teams began working directly with the platform and realized its capabilities: “You don’t even know what ideas you’ll have until you start using the tool,” says Snell.

Further, Joe’s first impression of StackAI “was how easy and intuitive the tool was to use.” Working with StackAI’s built-in Auto Agents assistant to help quality-check prompts and develop logic within the workflow, he moved quickly from concept to production-grade agent, which continues to receive robust usage today.

This discovery process reinforced the value of a flexible agent platform capable of supporting new workflows as needs emerged. In total, DDC is evaluating and implementing hundreds of AI use cases across the organization, from RFPs to research, all built on a shared agent infrastructure.



A Strategic Partnership

As the working relationship between the DDC and StackAI teams became a key factor, DDC began considering how to expand the partnership, and has since joined StackAI's Partner Ecosystem. "It goes beyond a provider-and-customer relationship. It's really a deep partnership and a collaboration," says Ward.

As government agencies accelerate AI adoption through new policies and acquisition pathways, DDC's partnership with StackAI plays a strategic role in bringing AI-native technology into complex federal and defense environments. DDC helps navigate the operational and regulatory realities of government work, while StackAI provides the underlying agent platform.

To date, the partnership has already yielded operational deployments in sensitive defense contexts. At Fort Bragg, StackAI is embedded in a storm basin environmental compliance application built for the Army, automating roughly 90% of assessment criteria from photos captured in the field. In parallel, DDC was selected to modernize the DFAS MOCAS mainframe, using LLMs to convert 1.5M lines of COBOL while incorporating StackAI into the approved modernization footprint.

While they continue to spearhead innovation, DDC's AI-first strategy is grounded in accountability. By shifting early to StackAI, a scalable, AI-native platform, DDC has positioned itself to adapt to fundamental changes in the defense industry while helping its customers do the same.



Let's Build AI Agents for Your Enterprise, Together

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