

Experience Center

NVIDIA Solutions Demo Menu



NVIDIA



Experience Center

NVIDIA Solutions Demo Menu

Use Cases by Industry

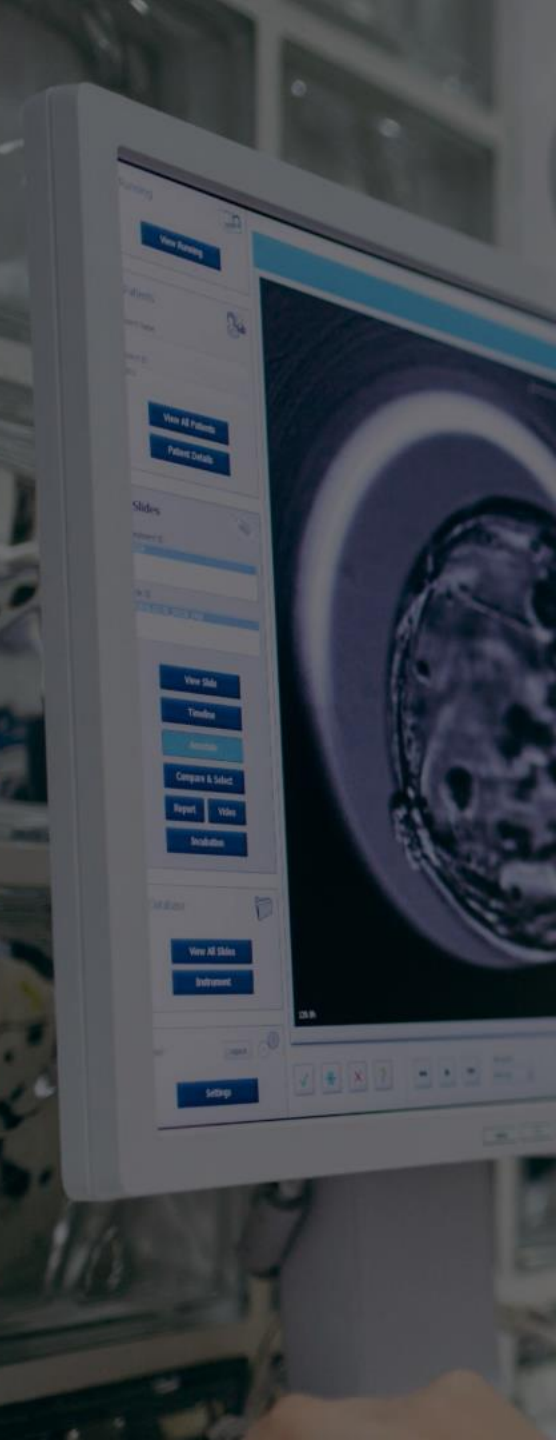
NVIDIA Solution	Healthcare & Life Sciences	Media & Entertainment	AECO	Financial Services	Retail / Consumer Packaged Goods/SAAS	Automotive / Transportation	Public Sector	Robotics / Physical AI
NVIDIA Agentic AI Workflows NIMs Reasoning	Onboarding. //Research GLP-1 Document Management Control	Compliance & Monetization Agent	Invoke Ingestion and ERP Reconciliation	Loan Pre-approval		Reasoning & Response//Security Operations Agent-MCP-Nemo Agentic TK	Document Management Solution	
NeMo Curator	Clinical & Administrative Email Prioritization Finetuning			Email Triage Finetuning for Banks & Trading Desks			Government Correspondence Classification & Routing Finetuning	
RAPIDS Data Science Machine Learning	Predictive Modeling	Data Analytics, Recommenders, Personalization		Fraud/Threat Detection & Risk Management	Inventory Management Optimization	Autonomous Vehicle CICD – Data Proc Optimization		
Blueprints	Ambient Healthcare Agent + RAG Pipeline			Governed AI Financial Fraud Detection	Retail Shopping Assistant //Retail-Agentic-Commerce			
Omniverse Enterprise/Isaac Sim	AI-ML and Computer Vision//Medical Visualization (AR/VR)		SLAM; Navigation; Sensor Fusion/Multi Robot Environment/Manipulator ARM		Simulation Multi-Robot Environment//Vision AI: Defect Detection on Simulation Bins		Manipulator ARM/ Open-RMP multi robot Orchestrator	Synthetic data-driven Manipulation for Robotic Pick and Place// Physical AI Forklift Navigation
Parabricks Genomics	Genomic Analysis, Pop-Scale Seq/ Personalized Medicine							
NAT / NemoClaw/ AI-Q	AI-Q General Query//AI-Q Deep Research	Multi-Agent Multi-Sandbox Orchestrator (Nemoclave) w/ Switchguard		Enterprise Multi-Agent Multi-Sandbox Orchestrator (Nemoclave)	Enterprise Knowledge Assistant NAT/One Question, One Solution/One Answer AI-Q technique	Agentic SIEM SOC (Nemoclave)		

- **Green circle** = Ready to demo
- **Yellow circle** = Will be ready to demo soon - stay tuned for updates
- **Red circle** = Will be available to demo in the coming months
- **NOTE:** The above roadmap is subject to change, depending on demo demand

[Request Demo](#)



Healthcare / Life Sciences



Healthcare / Life Sciences

NVIDIA Agentic AI Workflows

Use Case: Patient Onboarding & Medical Document Processing

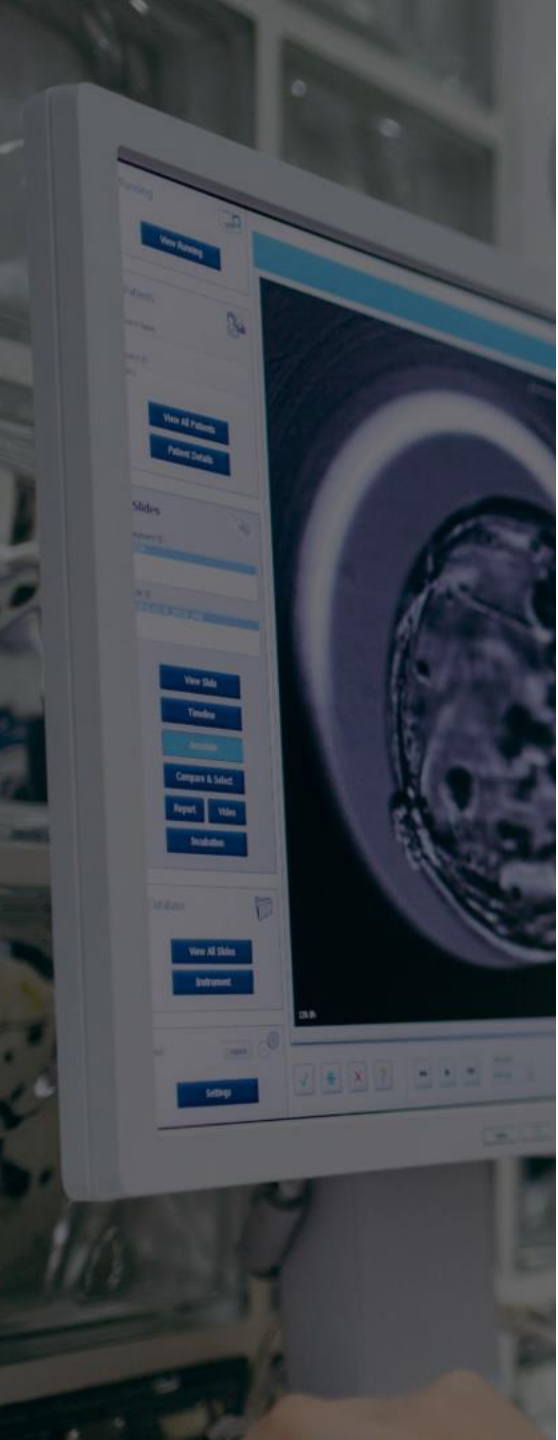
Benefit: Accelerate patient onboarding by using AI agents to automatically extract, validate, and structure patient information from forms, IDs, and medical documents. NVIDIA NIM microservices enable intelligent reasoning, and seamless integration with healthcare systems.

- Automated extraction of patient data from intake forms and IDs
- Faster onboarding with reduced manual data entry
- Improved compliance and validation for healthcare records

Workloads:

- Patient Data Extraction & Validation
- FHIR Record Generation
- Compliance & Data Quality Checks
- Healthcare Workflow Automation





Healthcare / Life Sciences

NVIDIA Agentic AI Workflows

Use Case: GLP-1 Research Document Triage & Knowledge Extraction

Benefit: Accelerate biomedical research analysis by using AI agents to automatically classify, index, and retrieve relevant GLP-1 research documents.

NVIDIA NIM microservices enable semantic search, reasoning, and retrieval-augmented generation to identify high-value research while filtering irrelevant documents.

- Automated classification of research papers (OPEN vs SKIP)
- Faster identification of relevant GLP-1 clinical and safety research
- Reduced manual review across large document repositories
- Grounded AI responses using retrieved scientific evidence

Workloads:

AI-Powered Scientific Document Indexing

- Semantic Embedding Generation (NV-EmbedQA)
- Retrieval-Augmented Generation (RAG) for Research Q&A
- Biomedical Document Classification & Triage
- Knowledge Extraction from Clinical & Regulatory Literature



Healthcare / Life Sciences

Nemo Curator

Use Case: Clinical & Administrative Email Prioritization

Benefit: Reduce clinician and administrative workload by automatically prioritizing incoming emails and routing them to the appropriate care or administrative teams.

- Accelerated viewer behavior modeling
- Real-time segmentation and targeting
- Reduced time-to-insight for marketing and production teams

Workloads:

- Generative AI
- Model Fine-Tuning
- Data Curation
- AI Safety & Guardrails



Healthcare / Life Sciences

RAPIDS

Use Case: Risk Stratification and Predictive Modeling

Benefit: Accelerate population-level analysis for real-world evidence studies. Use RAPIDS to identify high-risk patient groups based on age, demographics, and comorbidities — enabling earlier intervention and optimized resource allocation.

- Stratify patient populations by health risk
- Build age-based outcome prediction models
- Speed up real-world evidence pipelines for clinical decision support

Workloads:

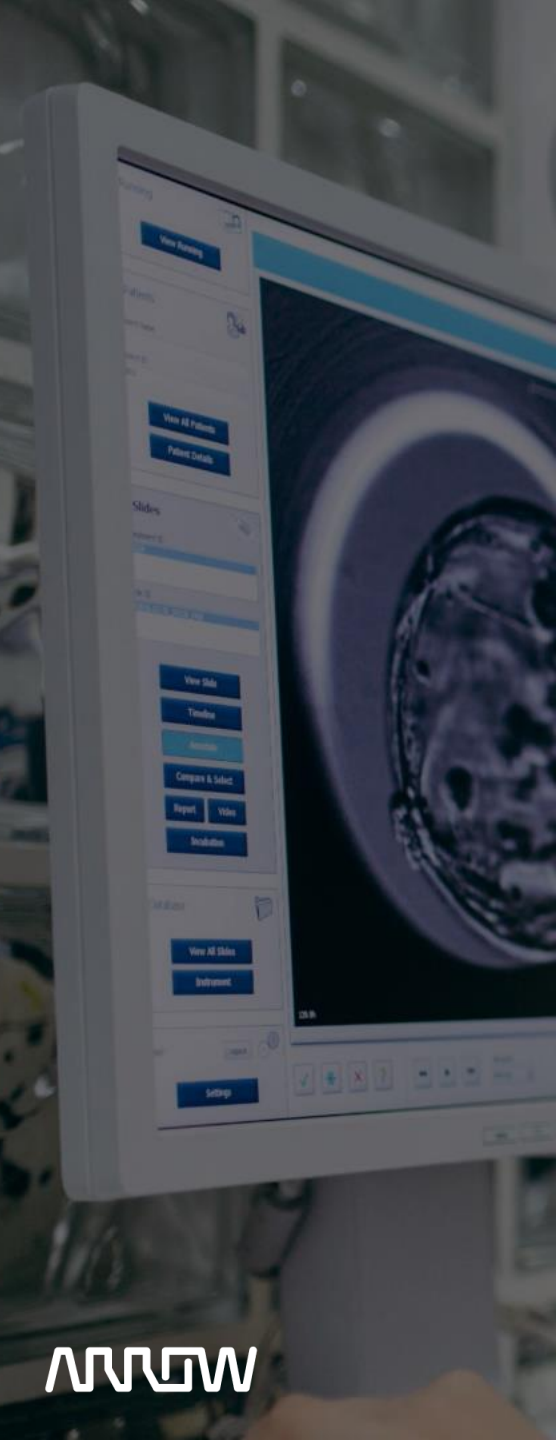
- Risk Modeling by Demographics
- Predictive Health Analytics
- Real-World Evidence Analysis
- Population-Level Data Processing
- Accelerated EMR/EHR Analytics

Healthcare / Life Sciences

Ambient Healthcare Agent + RAG Pipeline

Coming Soon

INFO COMING SOON



Healthcare / Life Sciences

Omniverse Enterprise

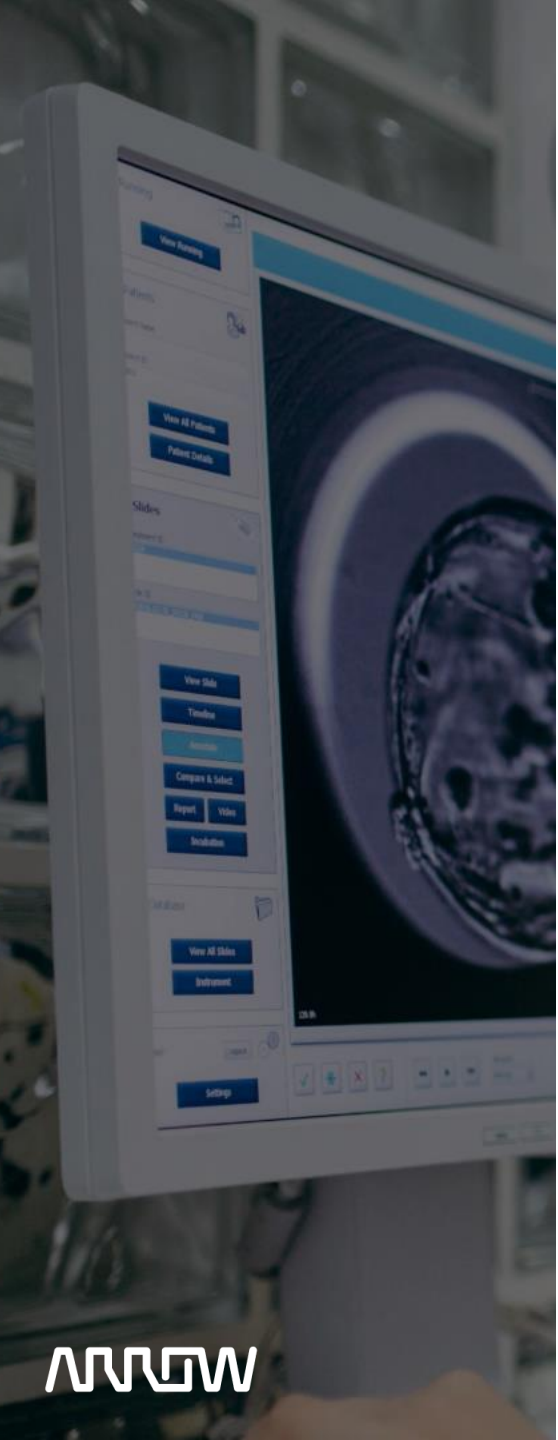
Use Case: Medical Visualization (AR/VR)

Benefit: Medical Visualization (AR/VR) for Digital Surgery Assist and Smart Hospitals

- Digital Twin of OR
- Simulation of surgeries (University Hospital Bonn, Atlas Meditech)
- Digital Twin of Hospital
- AR Surgery Assist

Workloads:

- AR / VR
- Data Aggregation
- Physics-ML
- Rendering / Ray Tracing
- Simulation / Modeling
- USD Data Pipeline
- Video Streaming, Virtualization



Healthcare / Life Sciences

Parabricks

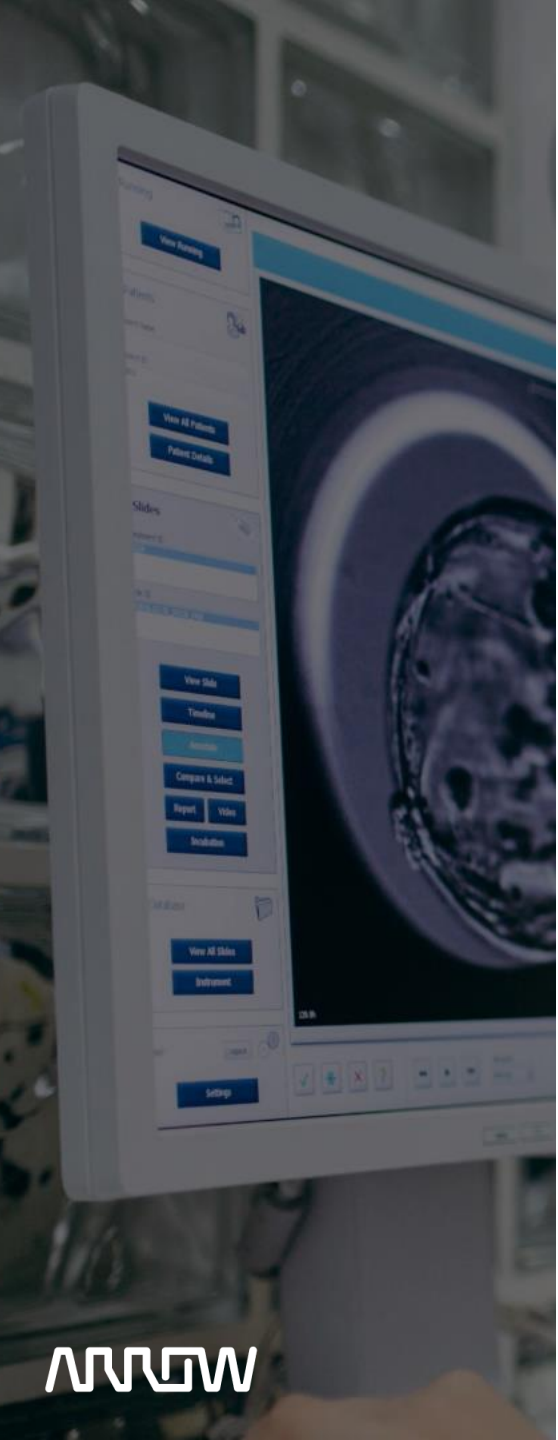
Use Case: Genomic Secondary Analysis

Benefit: Alignment and Variant Calling for short-read and long-read sequencing

- Increase Throughput
- Decrease turn-around time (Francis Crick)
- Reduce cost per sample (Sanger Institute)
- Improve accuracy with AI

Workloads:

- Alignment
- Data Analytics/Processing
- Variant Calling



Healthcare / Life Sciences

Agetic AI / Enterprise Research

Use Case: AI-Powered Deep Research Across Enterprise and External Data

Benefit: AI-Q enables users to ask complex business or technical questions and receive comprehensive, citation-backed answers synthesized from multiple data sources. An intelligent router determines whether a question requires a fast lookup or deeper multi-agent research, while specialized agents plan, gather evidence, analyze information, and synthesize the final response. AI-Q can combine enterprise knowledge with external sources, helping turn “**one question, many data sources**” into **one researched answer**.

Workloads:

- Intent classification and automatic shallow vs. deep research routing
- Multi-agent planning, parallel research, reasoning, and answer synthesis
- Enterprise knowledge retrieval across documents and connected data sources
- External web search for current information and supporting evidence
- MCP/tool integration for extending AI-Q to enterprise applications and services



Media and Entertainment

ARROW



Media and Entertainment

NVIDIA Agentic AI Workflows – NIM / Reasoning

Use Case: [Grounded AI Decision Workflows](#) - Media Content Compliance Rights Monetization

Benefit: NVIDIA Agentic AI enables media organizations to automate, accelerate, and govern content compliance and monetization decisions using coordinated AI agents. By leveraging NVIDIA NIM microservices, reasoning models, and retrieval pipelines, the system analyzes media assets, rights metadata, contracts, and usage policies to ensure licensing compliance while maximizing revenue opportunities. The workflow maintains transparency, auditability, and human-in-the-loop oversight for defensible AI-driven decisions.

Workloads:

- Media Rights & Contract Analysis using LLM reasoning
- RAG Pipelines for Licensing Policies and Rights Metadata
- Automated Compliance Validation before Publishing or Distribution
- AI Agents for Cross-Platform Monetization Recommendations
- Human-in-the-Loop Review and Audit Logging for Governance



Media and Entertainment

RAPIDS

Use Case: Viewer Analytics, Churn Prediction & Personalization

Benefit: Speed up content analytics pipelines with GPU acceleration. Quickly identify churn risk, personalize content offerings, and optimize engagement strategies across platforms.

- Accelerated viewer behavior modeling
- Real-time segmentation and targeting
- Reduced time-to-insight for marketing and production teams

Workloads:

- Audience Segmentation
- Churn Modeling
- Recommender System Acceleration
- Personalization Algorithms
- Real-Time Streaming Analytics



Media and Entertainment

3D Object Generation

Coming Soon

INFO COMING SOON





Media and Entertainment

Omniverse Enterprise

Use Case: Applications and Services for 3D Content Supply Chain, Consumer Interaction and Production Automation

Benefit: Evolve content production at scale, bring 3D & AI to interactive consumer engagements (GenAI for M&E, WPP, Media. Monks, Disney Media & Entertainment, Distribution, Denza, Brett Danton, Katana, more demos GDN)

- Scaled production
- Data driven personalization

Workloads:

- Consumer Interactive Avatars
- Generative AI:
- OpenUSD Pipeline
- Personalization
- Product Configurators



AECO

ANOW



AECO

NVIDIA Agentic Workflows NIM/Reasoning

Use Case: NVIDIA Agentic AI for Documents Invoices

Benefits: NVIDIA Agentic AI enables AECO organizations to automate document processing across invoices, purchase orders, project documentation, and compliance records. By combining NVIDIA NIM microservices for reasoning and OCR with agent orchestration workflows, the system extracts, validates, and routes critical data from complex documents into enterprise systems. This approach reduces manual processing, improves accuracy, and accelerates operational workflows while maintaining transparency and human oversight.

Workloads:

- OCR and Document Understanding using NVIDIA NIM reasoning models
 - AI-Powered Data Extraction from Invoices, Purchase Orders, and Project Documents
 - RAG Pipelines for Contracts, Compliance Rules, and Engineering Documentation
 - Agent-Based Workflow Routing and Human-in-the-Loop Validation
 - ERP and Project Management System Integration
 - Automated Compliance Checks and Data Integrity Validation



AECO

Blueprint Multi-Agent Intelligent Warehouse

Coming Soon

INFO COMING SOON



AECO

Omniverse Enterprise

Use Case: Data Center Digital Twin and Simulation

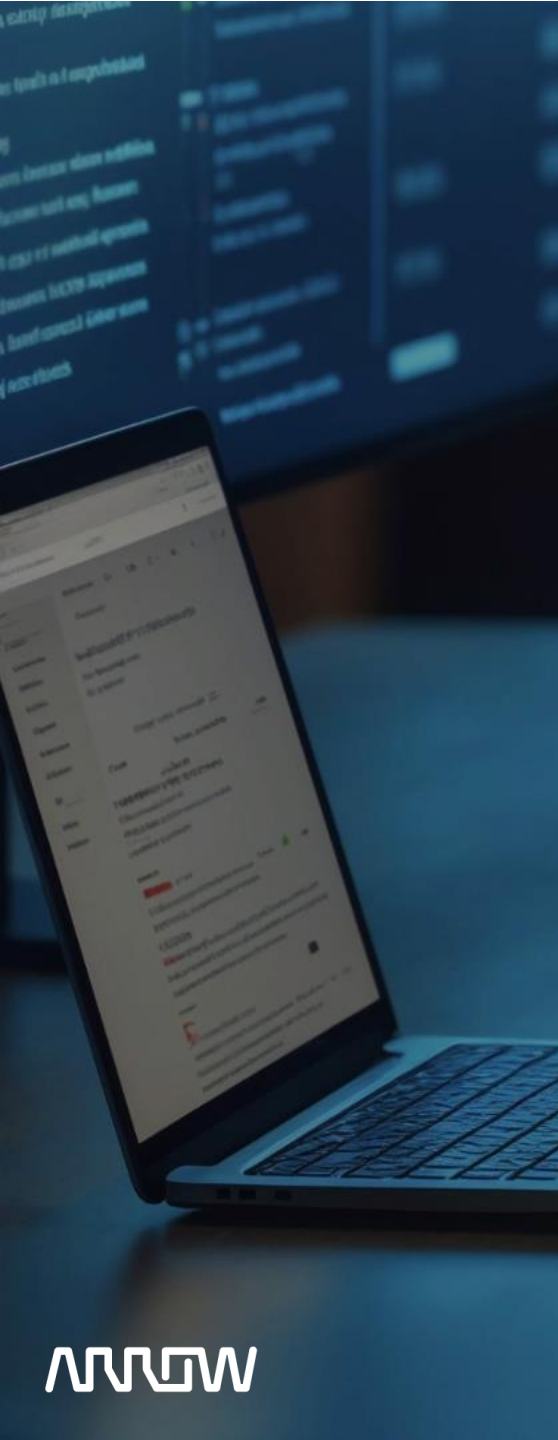
Benefit:

Workloads:

- Data Center Simulation
- Data Center Operations
- Data Center Visualization
- Digital Twins

A person in a dark suit is seated at a desk, their hands on a laptop. The laptop screen displays a financial dashboard with various charts and data. In the background, a large monitor shows a complex financial report with a circular chart on the left and a list of data points on the right. The scene is dimly lit, with a blueish tint, suggesting a professional and focused work environment.

Financial Services



Financial Services

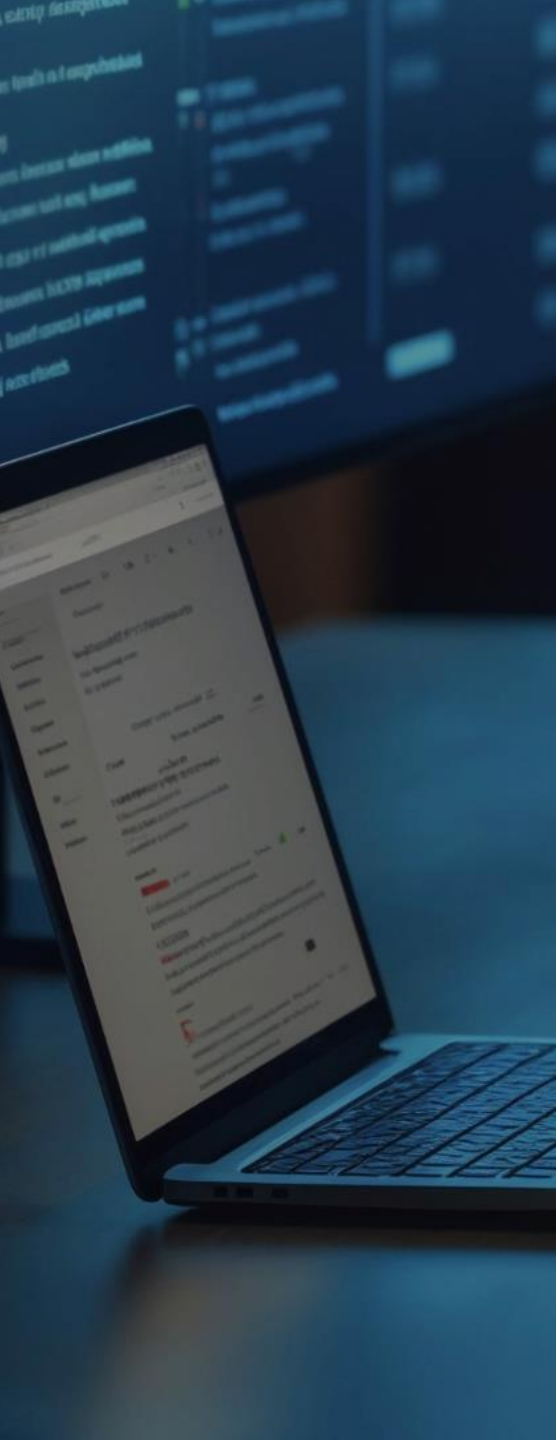
NVIDIA Agentic AI Workflows NIM/Reasoning

Use Case: AI-Driven Loan Decisioning and Risk Evaluation using Agentic Workflows (LangGraph)

Benefits: NVIDIA Agentic AI for Lending enables financial institutions to automate, accelerate, and govern loan decisioning through coordinated AI agents operating within a controlled workflow. Using LangGraph for agent orchestration and NVIDIA NIM microservices for reasoning and embeddings, the system evaluates borrower data, risk indicators, and policy rules in parallel. This architecture improves underwriting efficiency while maintaining transparency, auditability, and human-in-the-loop oversight for explainable lending decisions.

Workloads:

- Agent-Orchestrated Loan Decisioning Pipelines (LangGraph)
- Borrower Data Ingestion and Document Analysis
- Credit Risk Evaluation using LLM Reasoning and Policy Rules
- RAG Pipelines for Lending Policies and Regulatory Compliance
- Explainable Decision Agents with Human-in-the-Loop Review
- Automated Loan Origination and Underwriting Workflows



Financial Services

NeMo Curator

Use Case: Email Triage Finetuning for Banks and Trading Desks

Benefit: Improve risk control and productivity by auto-classifying and routing high-volume internal and client emails.

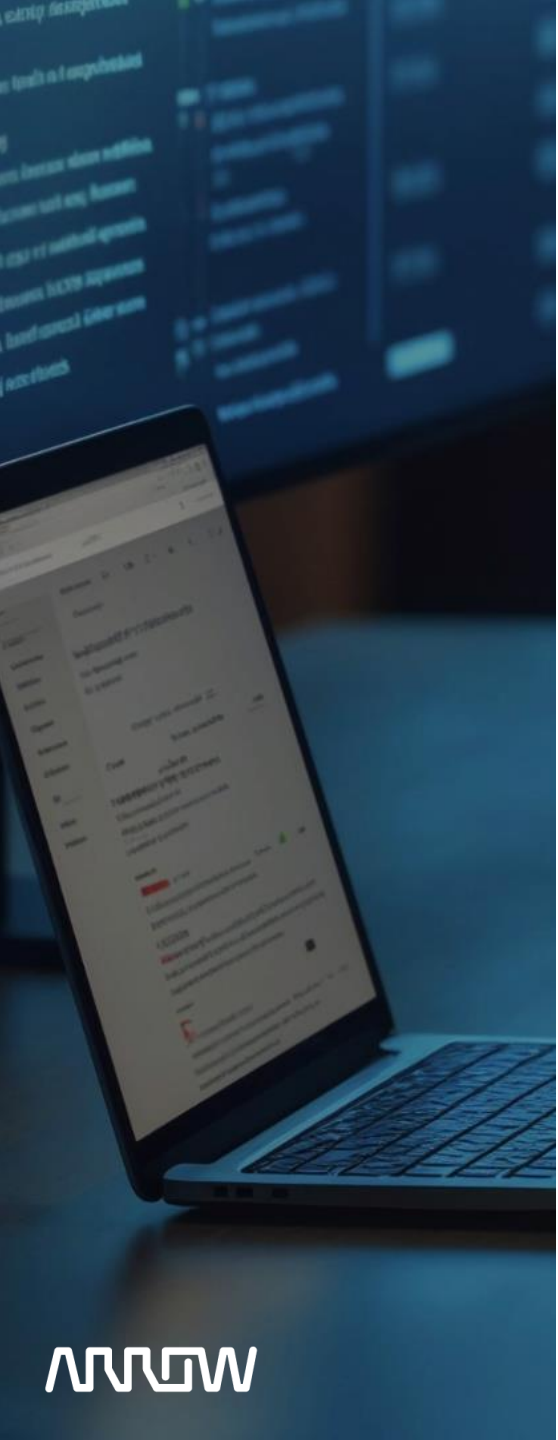
Potential Applications:

- Trade and deal communication triage
- Compliance and regulatory correspondence classification
- Operations and logistics emails
- Executive and front-office inbox management

Workloads:

- Generative AI
- Fine-tuning
- Data curation
- Guardrails





Financial Services

RAPIDS

Use Case: Low-Latency, High-Volume Financial Data Prep

Benefit: Speed up financial data pipelines, enabling faster time-to-insight and improved model accuracy. Ideal for signal extraction from structured and unstructured data at scale.

- Faster alt data ingestion and prep
- Improve quality of fraud/risk/trading models
- Reduce latency in model retraining

Workloads:

- Alternative Data Merge
- Cleansing (dedupe, HTML, compression)
- High-Volume Data Analytics
- Signal Extraction
- Feature Engineering

Retail and CFG



Retail and CFG

RAPIDS

Use Case: Demand Forecasting & Ad Targeting Optimization

Benefit: Accelerate customer segmentation, product affinity modeling, and retail media campaign analytics. Supports dynamic pricing, real-time bidding, and inventory-aware targeting.

- Real-time insights for merchandising and ads
- Personalized campaign design
- Faster targeting and attribution models

Workloads:

- Customer Segmentation
- Ad Attribution & Targeting
- Inventory-Aware Recommendations
- Price Optimization
- Cross-Channel Analytics



Retail and CFG

Retail Shopping Assistant

Use Case: AI-Powered Retail Shopping Assistant for Personalized, Conversational Customer Engagement

Benefit: NVIDIA Agentic AI enables retailers to deliver natural, personalized, and always-available shopping experiences across digital and in-store channels. By combining large language models, semantic retrieval, and NVIDIA NIM microservices for reasoning and embeddings, retailers can guide customers through product discovery, recommendations, and purchasing decisions. This approach improves product discovery, increases conversion rates and basket size, and reduces customer friction while maintaining brand safety, consistency, and scalable AI operations.

Workloads:

- Conversational Shopping Assistants powered by LLM reasoning
- Product Catalog Retrieval and Recommendation using RAG pipelines
- Semantic Product Search and Discovery across large inventories
- AI-Driven Customer Engagement across web, mobile, and in-store kiosks
- Personalization engines for cross-sell and upsell recommendations
- Safety guardrails and brand-aligned AI response controls



Retail and CFG

Retail Agentic Commerce

Use Case: AI-Powered Agentic Commerce Platform for Personalized Product Discovery, Intelligent Shopping Assistance, and Autonomous Checkout Experiences.

Benefit: The NVIDIA Retail Agentic Commerce Blueprint enables retailers to build intelligent AI shopping experiences that combine conversational AI, semantic product retrieval, multi-agent orchestration, and secure checkout workflows. Using NVIDIA NIM™ microservices, ACP/UCP protocols, retrieval-augmented generation (RAG), and agentic AI frameworks, retailers can deliver highly personalized product recommendations, guided purchasing journeys, intelligent cart management, and merchant-controlled checkout experiences across web, mobile, kiosks, and AI assistants. This approach improves customer engagement, increases conversion rates and average order value, reduces product return rates, and enables scalable, secure AI-driven commerce operations while maintaining governance and brand safety

Workloads:

- Conversational AI Shopping Assistants powered by LLM Reasoning and multi-agent orchestration.
- Product Catalog Retrieval and Recommendation using RAG pipelines and vector search
- AI Agent to Agent Commerce using ACP (Agent Commerce Protocol and UCP integration
- Real-time inventory, Pricing, and Product Availability Retrieval



Retail and CFG

Enterprise Knowledge Assistant (NAT)

Use Case: AI-Powered Enterprise Knowledge Assistant for Unified Customer Intelligence, Business Insights, and Cross-System Decision Support

Benefit: NVIDIA NeMo Agent Toolkit (NAT) enables organizations to securely orchestrate enterprise knowledge across multiple business systems using natural language. By combining agent workflows, enterprise connectors, retrieval, and large language models, the Enterprise Knowledge Assistant can gather information from CRM, ERP, contracts, invoices, support systems, and usage analytics to provide a single, contextual business response. This approach reduces manual research, accelerates decision making, improves customer engagement, and provides governed AI orchestration while maintaining enterprise security and auditability.

Workloads:

- Enterprise Knowledge Assistant powered by NAT workflow orchestration
- Cross-system customer intelligence across Salesforce, Oracle, ServiceNow, SQL, and enterprise data sources
- Customer 360, renewal risk, and executive account summaries
- Multi-source retrieval and reasoning using enterprise connectors
- Governed workflow execution with structured outputs and enterprise security controls
- AI-assisted sales, customer success, and executive decision support



Retail and CFG

Enterprise AI Orchestration: One Question.

Many Systems. One Answer

Use Case: AI-Powered Enterprise Orchestration Platform for Unified Business Intelligence Across Multiple Enterprise Systems

Benefit: NVIDIA Agentic AI enables organizations to transform complex business questions into a single, actionable answer by securely orchestrating multiple enterprise systems through intelligent AI workflows. Rather than requiring users to manually search CRM, ERP, support platforms, contracts, invoices, and analytics tools, the platform coordinates specialized AI agents and enterprise connectors to retrieve, reason over, and synthesize information into a comprehensive executive response. This approach improves operational efficiency, accelerates decision making, reduces manual effort, and provides a governed, scalable foundation for enterprise AI.

Workloads:

- Natural language enterprise search across multiple business systems
- Cross-system customer intelligence across Salesforce, Oracle, ServiceNow, SQL, and enterprise data sources
- Customer 360, renewal risk, and executive account summaries
- Multi-agent collaboration using specialized AI agents for customer, finance, operations, and support domains
- Cross-system reasoning with synthesized recommendations and executive summaries
- Governed enterprise AI workflows with security, auditability, and human-in-the-loop support

A front-facing view of a large commercial airplane, likely a Boeing 747, on a runway. The aircraft is white with two large engines visible on the wings. The background shows a hazy sky and green foliage. The text "Automotive and Transportation" is overlaid in white.

Automotive and Transportation

ANGLW



Automotive Cyber Security

NVIDIA Agentic AI Workflows NIM/Reasoning

Use Case: AI-Driven Security Operations for Automotive and Enterprise SOC Workflows

Benefit: NVIDIA Agentic AI for Cybersecurity enables SOC teams to automate and accelerate threat detection and investigation across authentication logs, firewall events, EDR telemetry, and identity systems. Using NVIDIA NIM microservices for reasoning and MCP-based agent orchestration, the platform analyzes large volumes of security telemetry, enriches alerts, and coordinates investigation workflows. This approach reduces analyst fatigue, improves detection accuracy, and enables faster response to emerging threats while maintaining transparency and human oversight.

Workloads:

AI-Driven Threat Detection and Log Analysis using NIM reasoning models

- Automated Security Log Parsing and Threat Enrichment
- Agent-Orchestrated SOC Investigations and Incident Response
- Integration with SIEM, SOAR, EDR, and Identity Security Platforms
- Human-in-the-Loop Validation and Compliance Monitoring



Automotive

NVIDIA Agentic AI Workflows NIM/Reasoning

Use Case: Security Operations (SOC) Automation

Leverage a tool-driven AI agent architecture to automate security operations workflows, including alert ingestion, enrichment, decision-making, and ticket creation, while keeping all processing inside the enterprise environment

Benefit: Deploy a secure, on-premises AI solution using **NVIDIA NIM with Nemotron Nano, NeMo Agent Toolkit, MCP, and FastMCP** to deliver grounded, tool-based automation without exposing sensitive data externally.

Nemotron Nano provides the reasoning layer for interpreting analyst requests, selecting the right tools, and generating natural-language responses.

NVIDIA NIM enables enterprise deployment of Nemotron Nano behind the firewall, close to the data, for low-latency and secure inference.

FastMCP and MCP provide controlled tool access, so actions are executed through approved enterprise tools instead of free-form LLM guesses.

Workloads:

Data Aggregation

Digital Twin

Optimizer Engine

Rendering / Ray Tracing

Simulation / Modeling / Design

USD Data Pipeline Virtualization



Automotive and Transportation

RAPIDS

Use Case: Autonomous Vehicle Data & Telematics Processing

Benefit: Accelerate ingestion and analysis of sensor fusion, CAN bus data, and telemetry logs. Enables real-time diagnostics, predictive modeling, and digital twin updates.

- Faster data processing in AV CI/CD pipelines
- Improve model training loop efficiency
- Supports real-time vehicle analytics dashboards

Workloads:

- Sensor & Telemetry Log Processing
- Predictive Maintenance Modeling
- Driver Behavior Analytics
- AV CI/CD Model Validation
- Fleet Optimization

Automotive / Transportation

Agentic SOC (NemoClaw)

Use Case: AI-Powered Security Operations Center (SOC) Assistant for Intelligent Threat Investigation, Incident Response, and Security Workflow Automation

Benefit: NVIDIA NemoClaw enables security teams to orchestrate AI-powered SOC workflows by securely combining large language models with approved cybersecurity tools behind the firewall. Using an OpenAI-compatible gateway, intelligent agent orchestration, and governed local tool execution, analysts can investigate alerts, enrich threat intelligence, recommend response actions, and automate repetitive SOC tasks while maintaining enterprise security, auditability, and operational control. This approach accelerates incident response, reduces analyst workload, improves investigation consistency, and provides a flexible architecture capable of supporting cloud or on-premises AI models.

Workloads:

- AI-powered SOC alert investigation and incident triage
- Intelligent orchestration of approved cybersecurity tools and playbooks
- Threat intelligence enrichment and contextual security analysis
- Automated incident response recommendations and analyst decision support
- JSON audit reporting and governed workflow execution
- Flexible AI backend supporting cloud LLMs or local NVIDIA NIM inference through NemoClaw



Public Sector



Public

Government Document Management Solution

Use Case: [Grounded AI Decision Workflows](#) - AI-Driven Government Document Classification, Retention, and Compliance Automation

Benefit: NVIDIA Agentic AI enables public-sector agencies to automate, standardize, and govern document lifecycle decisions across large volumes of unstructured data. Using NVIDIA NIM microservices for reasoning and embeddings, the platform classifies documents, detects sensitive information, applies retention rules, and enforces policy controls. This approach improves compliance, reduces manual processing, and enables transparent, auditable document governance at scale.

Workloads:

Automated Document Classification across government domains (HR, FOIA, contracts, policy)

- Sensitive Data and PII Detection using AI reasoning models
- Records Retention and Disposition Automation
- RAG-based Search and Retrieval for policy and legal requests
- Human-in-the-Loop Review and Compliance Validation



Public Sector

NeMo Curator

Use Case: Government Correspondence Classification and Routing Finetuning

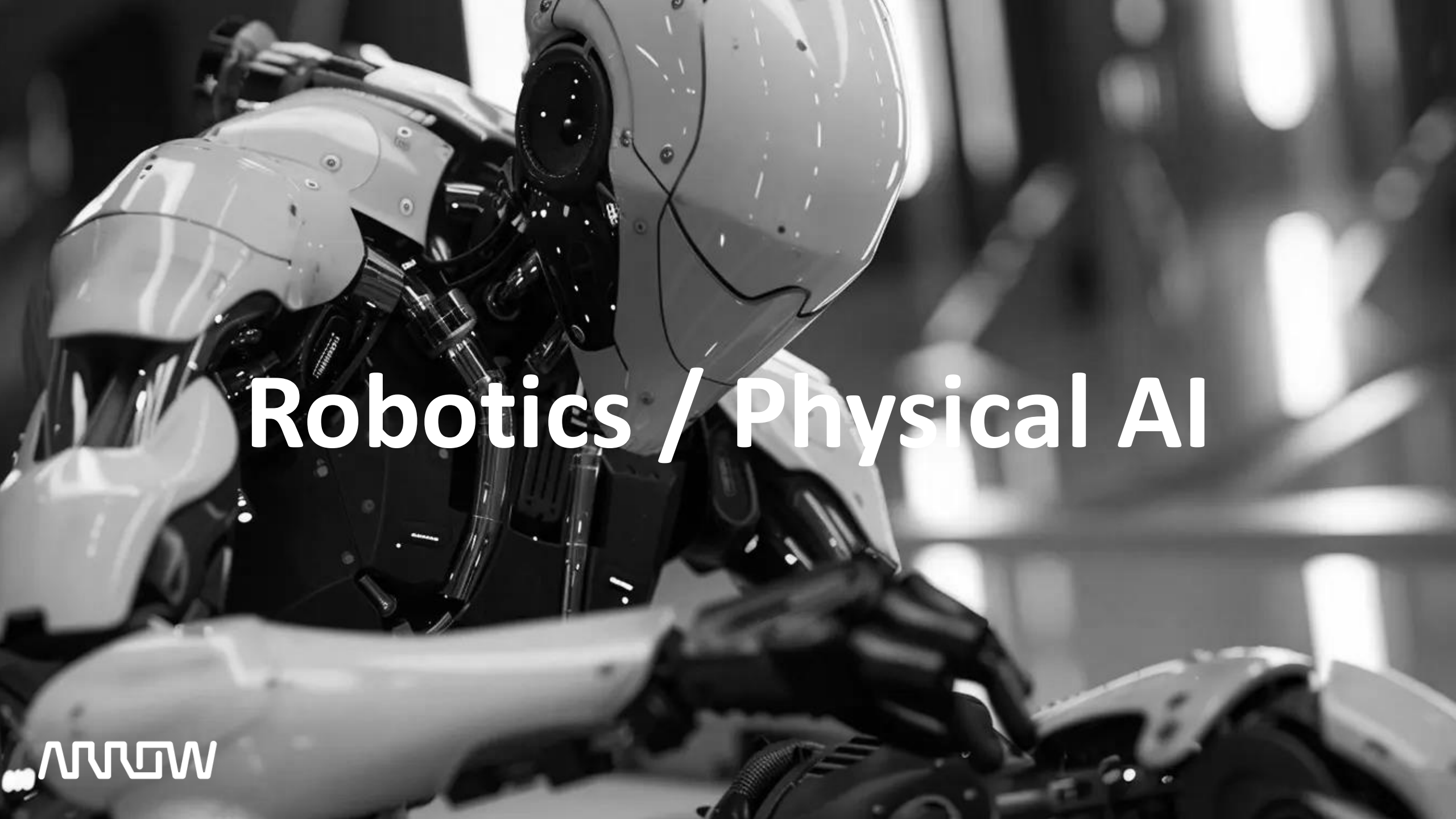
Benefit: Speed up response times and transparency by automatically tagging and routing citizen and internal government emails.

Potential Application:

- Constituent services triage
- Policy and legislative coordination
- Operational and logistics communication
- Legal and compliance-relevant correspondence

Workloads:

- Generative AI
- Fine-tuning
- Data curation
- Guardrails



Robotics / Physical AI



Robotics / Physcal AI

NVIDIA Omniverse | Isaac Sim -Synthetic Data-Driven Manipulation for Robotic Pick & Place

Use Case: Synthetic Data-Driven Manipulation for Robotic Pick & Place

Benefit: Isaac Sim enables robotics teams to generate photorealistic labeled training data and train vision-guided pick-and-place policies entirely in simulation. A Franka Panda arm learns to identify, grasp, and place objects on a pallet using a YOLOv8 perception model trained exclusively on Omniverse Replicator-generated synthetic images — transferring directly to real hardware with zero fine-tuning.

Workloads:

- Synthetic RGB + segmentation data generation via Omniverse Replicator
- YOLOv8 perception model training on Isaac Sim-generated datasets (99%+ mAP)
- Franka Panda pick-and-place PPO policy training in Isaac Lab
- Camera perception integration with real-time YOLO inference overlay
- Sim-to-real policy transfer validation



Robotics / Physcal AI

NVIDIA Omniverse | Isaac Sim – Physical AI Forklift Navigation Training

Use Case: Training an autonomous forklift to navigate a manufacturing floor and transport objects to goal positions using reinforcement learning.

Benefit: Isaac Lab's massively parallel GPU training enables a forklift agent to learn navigation, obstacle avoidance, and payload transport behaviors across thousands of simultaneous environments on a single DGX system — compressing months of real-world robot training into hours.

Workloads:

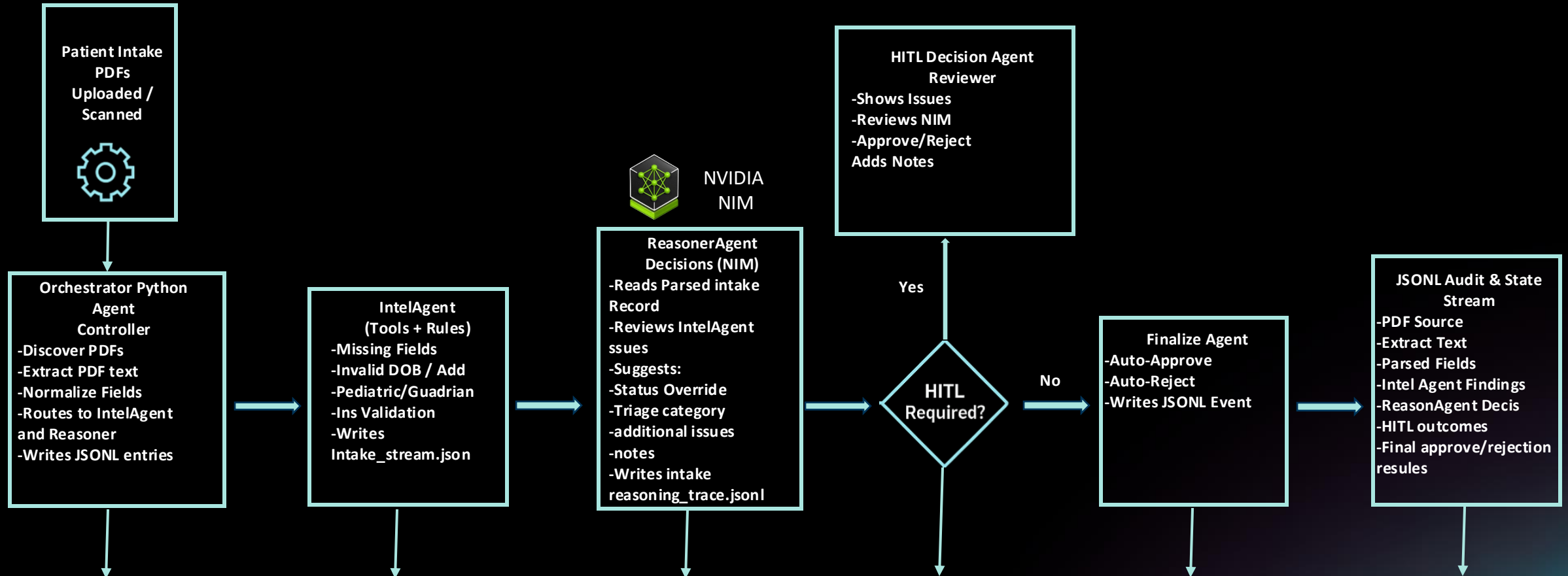
- Forklift URDF import and physics validation in Isaac Sim
- PPO reinforcement learning policy training across 4,096 parallel environments on DGX A100
- Curriculum-based reward shaping for progressive navigation complexity
- S-curve obstacle course navigation (Phase B/C)
- Real-time policy visualization and sim-to-real deployment pipeline

NVIDIA Agentic AI Workflow NIM Reasoning Architectures



NIM Healthcare Patient Intake Form

Agentic AI Agent with LLM Reasoning



JSONL Audit & State Stream (MCP / A2A Compatible)

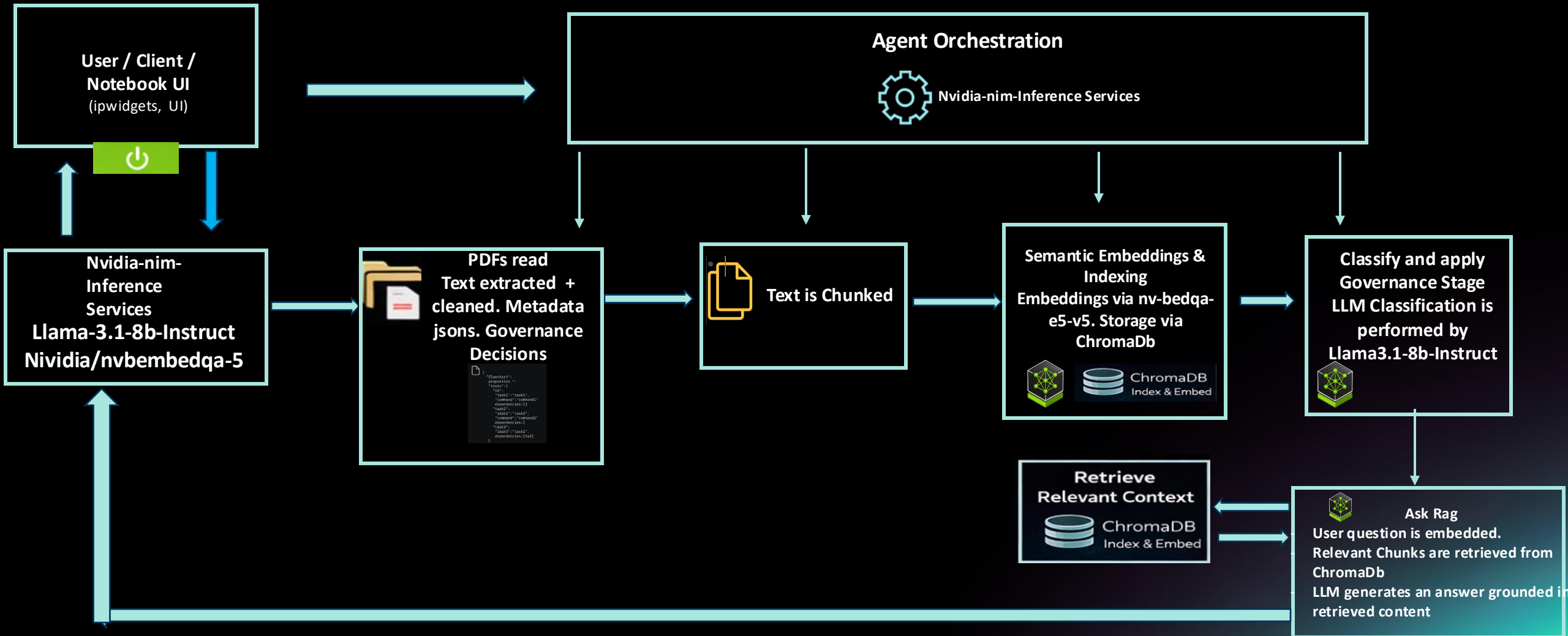
* Event Sequence * Reasoning Decisions * Agent Steps * Tool Calls * HITL outcomes * Final Results

```
{
  "event": "Intake",
  "agent": "Orchestrator",
  "tool": "discover",
  "args": {
    "path": "/mnt/data/patient_intake.pdf"
  },
  "result": {
    "text": "Patient Intake Form"
  },
  "status": "success"
}
```

GLP-1 Document Management Assistant

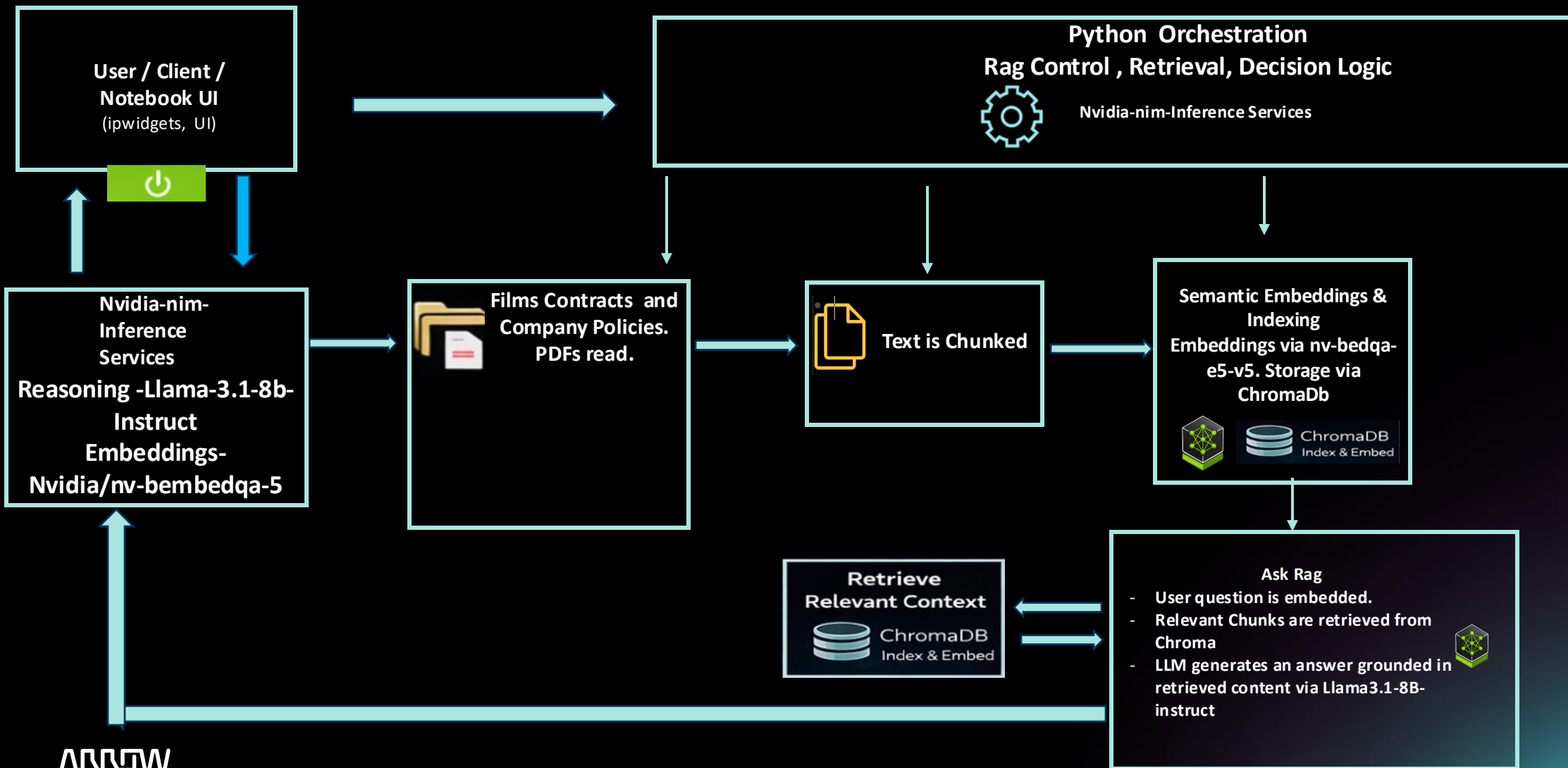
Agentic AI Orchestration for a Government Document Management Solution

Grounded AI Decisions Workflows.



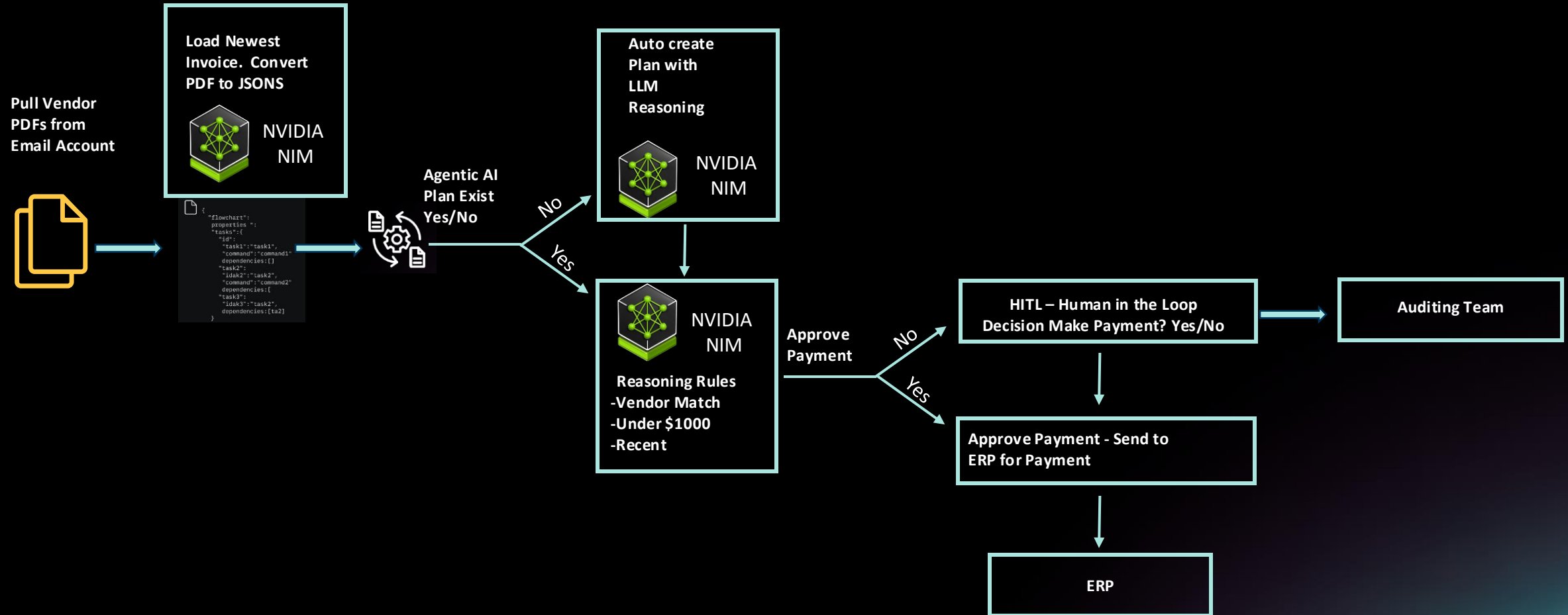
Media Rights Compliance Agent

Agentic AI RAG Orchestration - Grounded AI Decisions Workflows. Reasoning and Embedding NIM



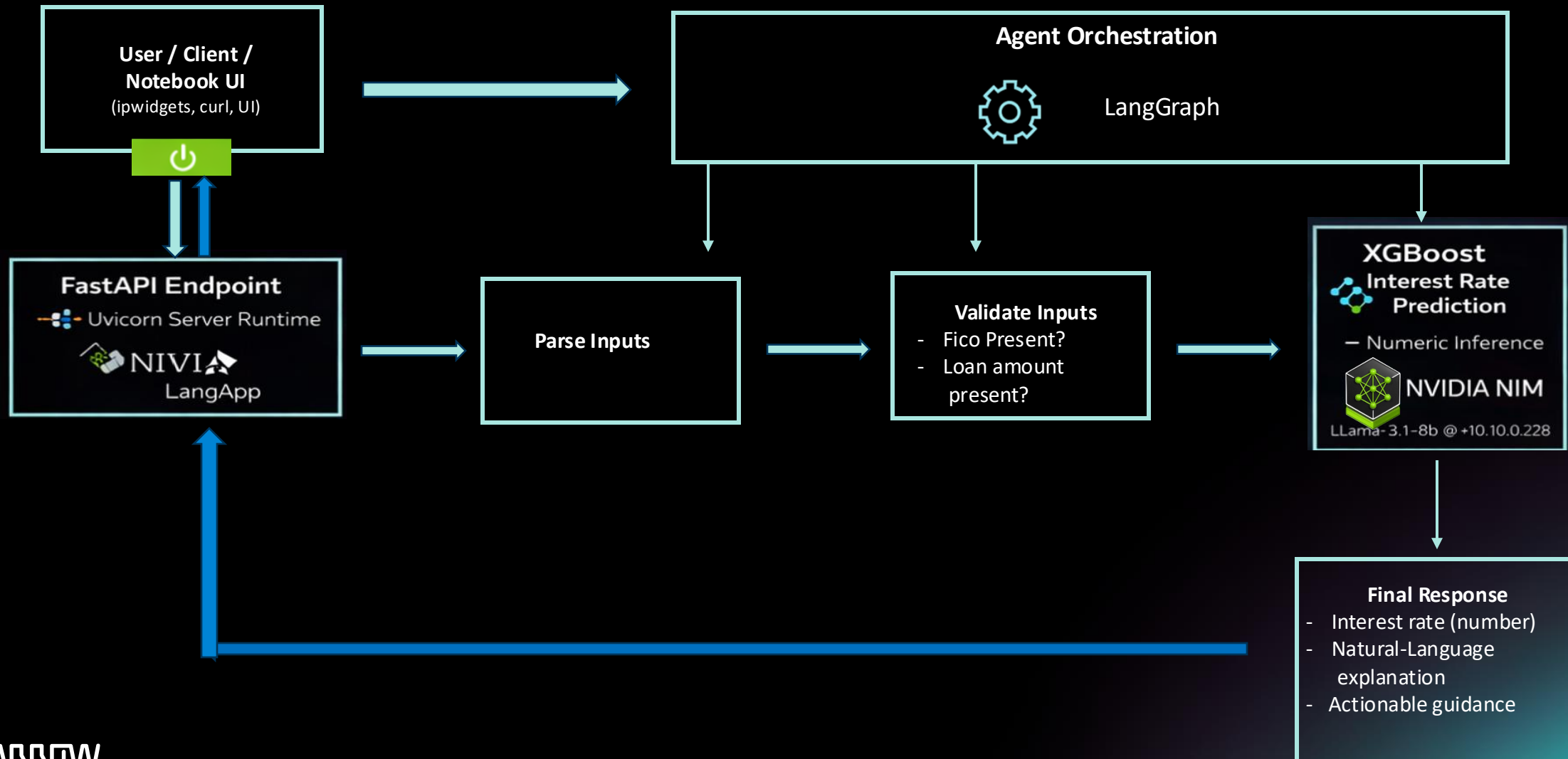
NIM Invoice ERP Solution

Agentic AI Agent with Reasoning LLM



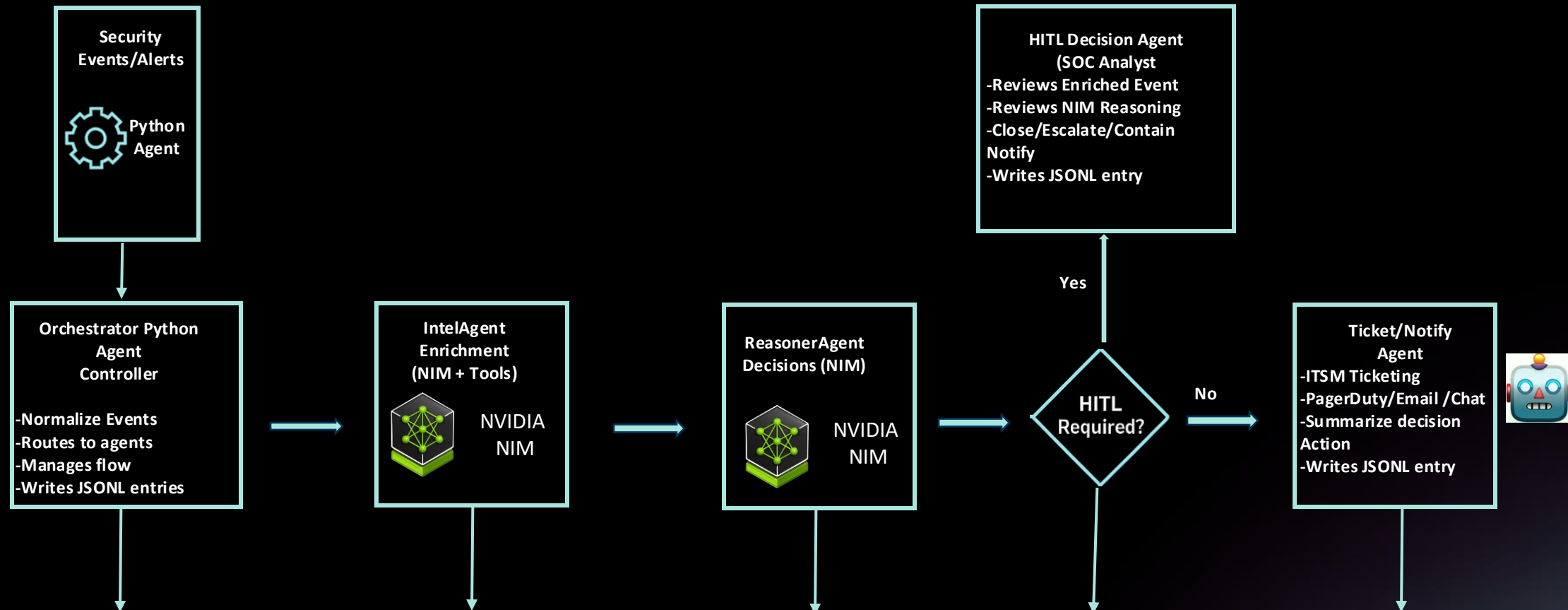
Loan Interest Rate Agent

Agentic AI Langraph Orchestration with XGBoost & NVIDIA NIM



NIM SIEM Cybersecurity Solution

Agentic AI Agent with LLM Reasoning



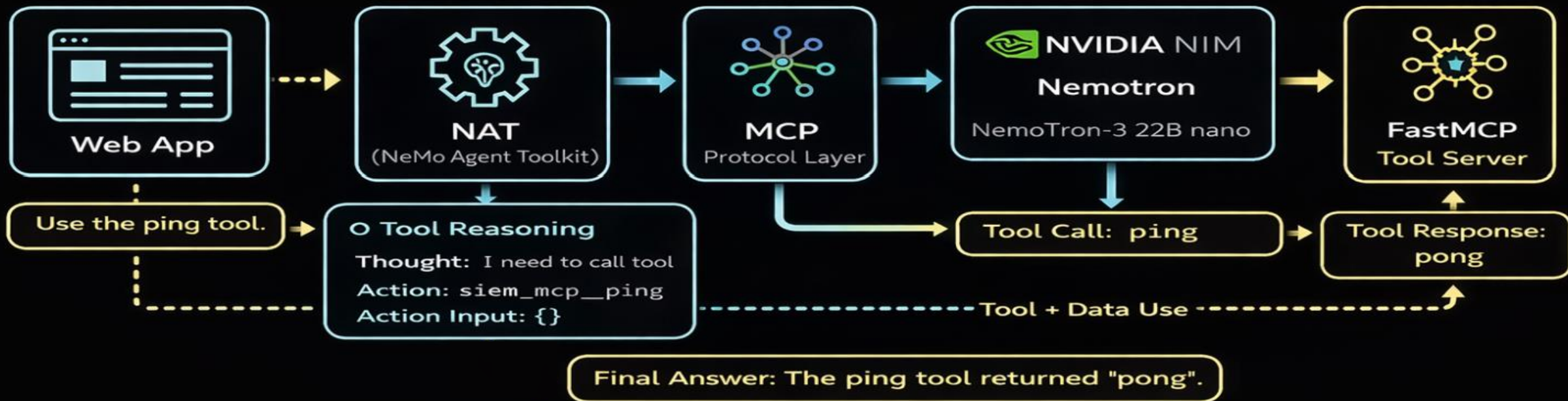
JSONL Audit & State Stream (MCP / A2A Compatible)

* Event Sequence * Reasoning Decisions * Agent Steps * Tool Calls * HITL outcomes * Final Results

```
{
  "timestamp": "2024-01-01T00:00:00",
  "properties": {
    "task": "task1",
    "command": "command1",
    "dependencies": []
  },
  "task": "task1",
  "command": "command1",
  "dependencies": []
}
```

Security Operations Agent

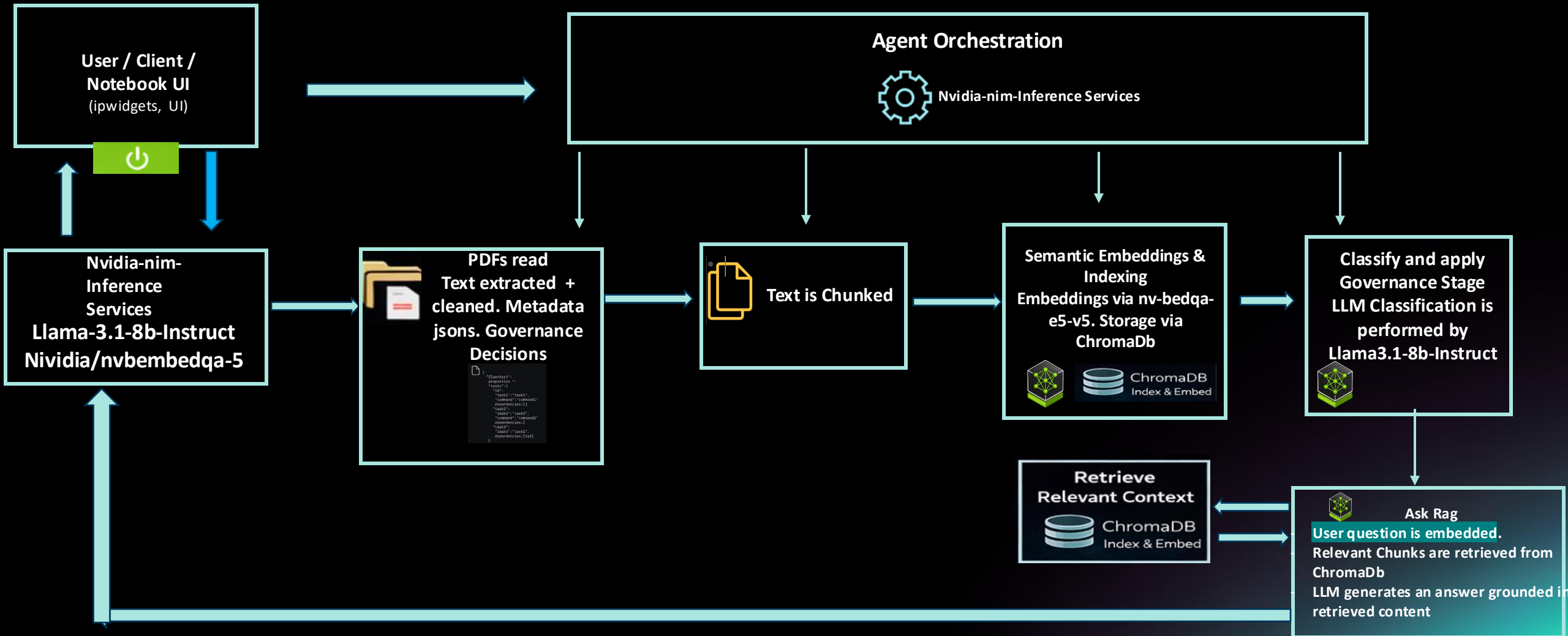
Agentic AI Orchestration with MCP, NVIDIA NIM & NeMo Agentic Toolkit



Government Document Management Assistant

Agentic AI Orchestration for a Government Document Management Solution

Grounded AI Decisions Workflows.



On-Prem AI for SOC Workflows with Nemotron-Nano

NAT → MCP client → FastMCP server → SIEM tools → Nemotron-Nano NIM



Keep Data and Reasoning Behind the Firewall

All alerts, enrichment data, tools, and AI reasoning stay on-prem.
No sensitive information leaves your environment.



Data Privacy
Sensitive data stays local



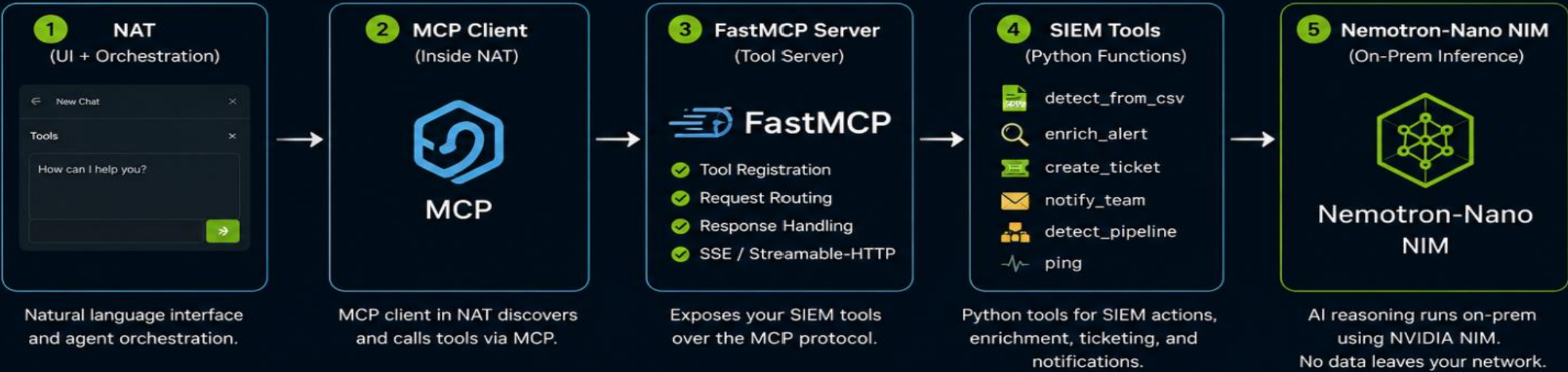
Compliance
Meet regulatory requirements



Security
Reduce data exposure risk



Performance
Low latency on-prem inference



Behind the Firewall

- ✓ Alerts and enrichment data remain on-prem
- ✓ AI reasoning performed on local Nemotron-Nano NIM
- ✓ Tools, tickets, and notifications stay in your environment

Example Use Cases



Threat Detection



Alert Enrichment



Incident Response



Ticketing



Team Notifications

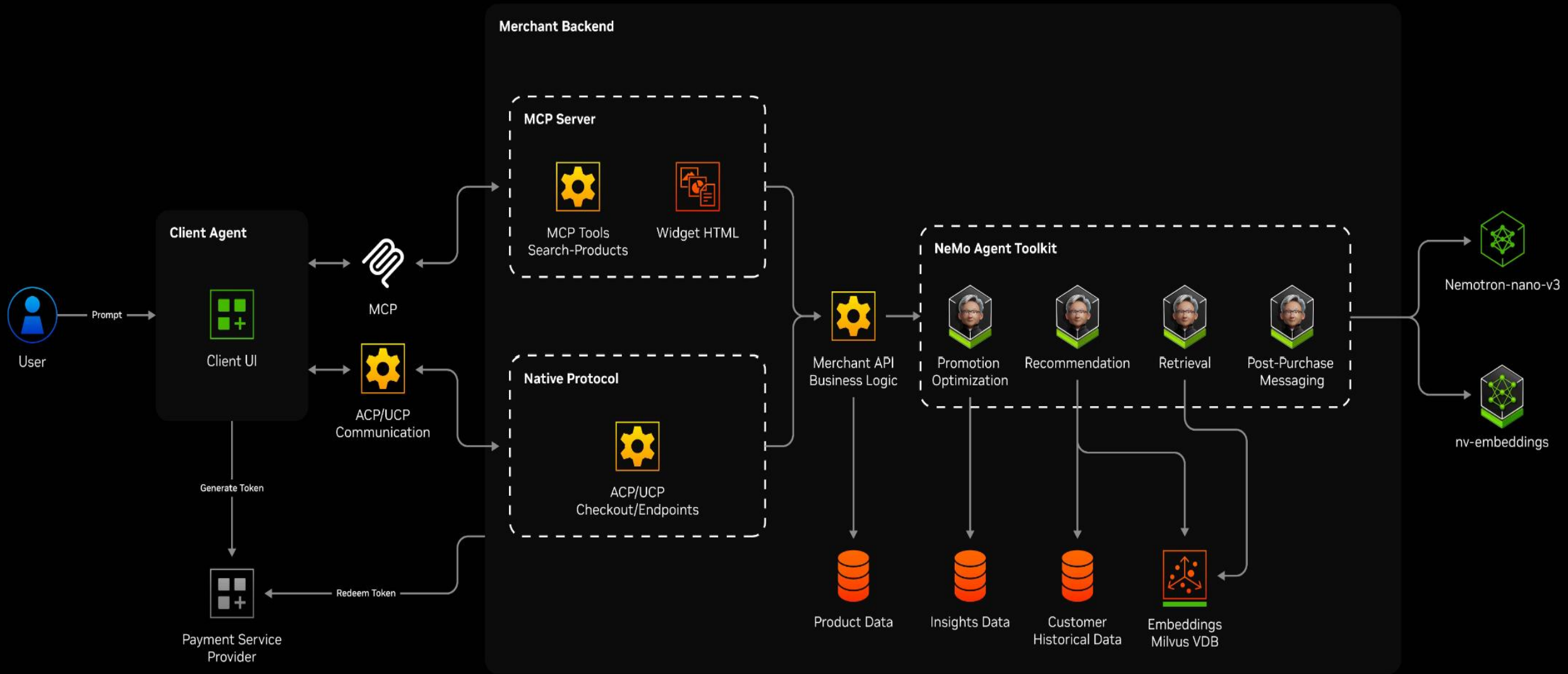


Reporting



Powered by NVIDIA AI, NIM, NeMo Agent Toolkit (NAT), and MCP

Retail Agentic Commerce Blue Print



Enterprise Knowledge Assistant (NAT) Architecture

Gradio • NAT • Sequential Executor • Enterprise Tools • Nemotron Reasoning • AI-Q Aligned

1. User Experience

- Gradio UI
- Natural Language
- Business Question

2. NAT Orchestrator

- Workflow Engine
- State
- Routing

3. Sequential Executor

- Planning
- Execution Order
- Decision Logic

4. Enterprise Tools

- Customers
- Invoices
- Contracts
- Support
- Usage

5. Nemotron Reasoning

- Correlate Data
- Risk Analysis
- Summarize

6. Enterprise Answer

- One Business Answer
- Health Score
- Recommendations

Key Design Principles

- ✓ Enterprise workflows orchestrated through NAT sequential execution.
- ✓ Multiple enterprise data sources combined into a single business response.
- ✓ Deterministic workflow with AI reasoning at the appropriate decision points.
- ✓ Designed around enterprise agent concepts and aligned with AI-Q architecture.

Enterprise SIEM SOC Architecture with NemoClaw

Gradio • Nemoclave/OpenClaw • Agent Reasoning • Local Tools • AI-Q Aligned



Key Design Principles

- ✓ Keep enterprise data and reasoning on-prem where required.
- ✓ NemoClaw provides a standard Nemotron-compatible gateway for applications.
- ✓ Agentic AI orchestrates approved local security tools using controlled, deterministic workflows.
- ✓ Accelerate SOC investigations through AI-assisted orchestration.

One Question. Many Systems. One Answer.

NAT • Sequential Executor • Enterprise Connectors • Nemotron • Enterprise Knowledge Assistant

“Show me the renewal risk for ACME by combining Salesforce, Oracle invoices, ServiceNow tickets, contracts, and usage metrics.”

1. User Question

- Natural language
- Business request

2. NAT Orchestrator

- Workflow
- Planning
- State

3. Enterprise Connectors

- Salesforce
- Oracle
- ServiceNow
- Contracts
- Usage

4. Nemotron

- Correlate
- Analyze
- Summarize

5. Enterprise Answer

- Risk Summary
- Recommendations
- Executive Output

Key Design Principles

- ✓ Ask one business question in natural language.
- ✓ Orchestrate multiple enterprise systems without exposing complexity.
- ✓ Combine structured data into a single AI-generated business answer.
- ✓ Governed workflows with deterministic execution and enterprise security.

One Question. Many Systems. One Answer.

MCP + NAT UI / Gradio MCP unlocks enterprise data and workflow automation.



"Look up customer ABC in Salesforce, check open Oracle invoices, query SQL support tickets, and summarize risk before renewal."



Two Powerful Patterns. One Platform.



NAT UI (Agentic)
For exploration, investigation, and analyst-assist workflows.



Gradio MCP (Bounded Workflows)
For repeatable, governed, production workflows and automations.



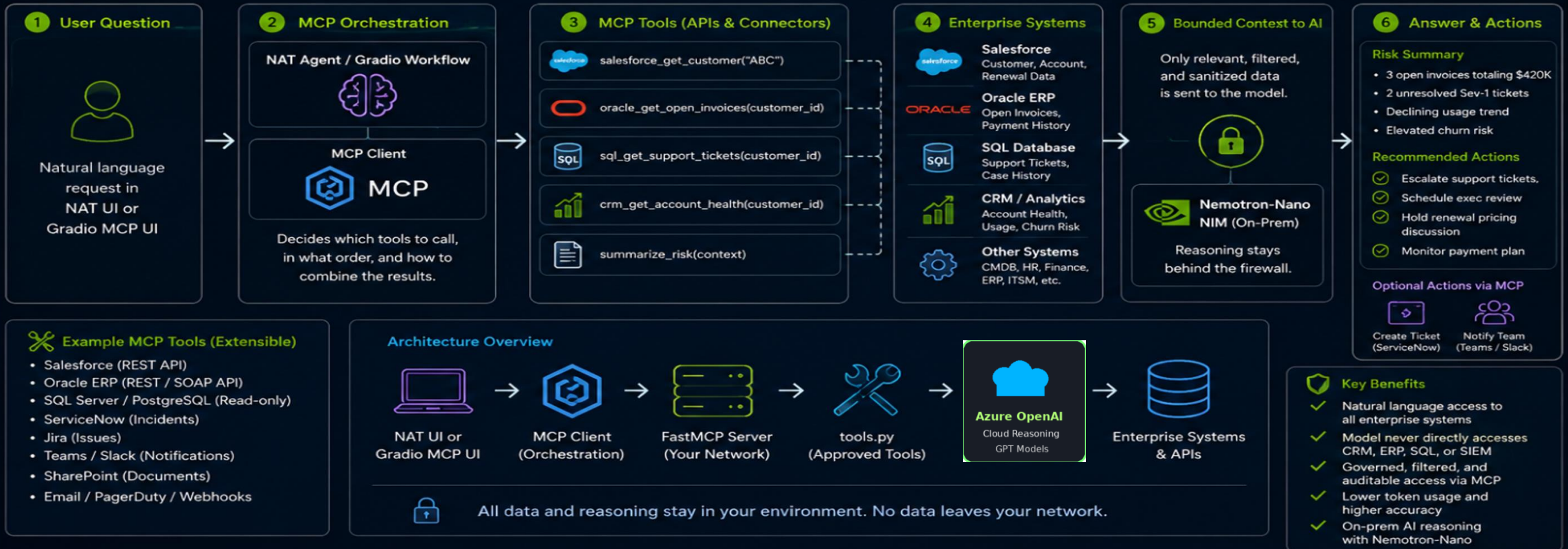
Endless Possibilities
One question can securely connect your data, systems, and people.

One Question. Many Systems. One Answer.

MCP + NAT UI / Gradio MCP unlocks enterprise data and workflow automation.



"Look up customer ABC in Salesforce, check open Oracle invoices, query S MCP + Azure OpenAI orchestrates enterprise AI workflows across cloud systems."



Two Powerful Patterns. One Platform.



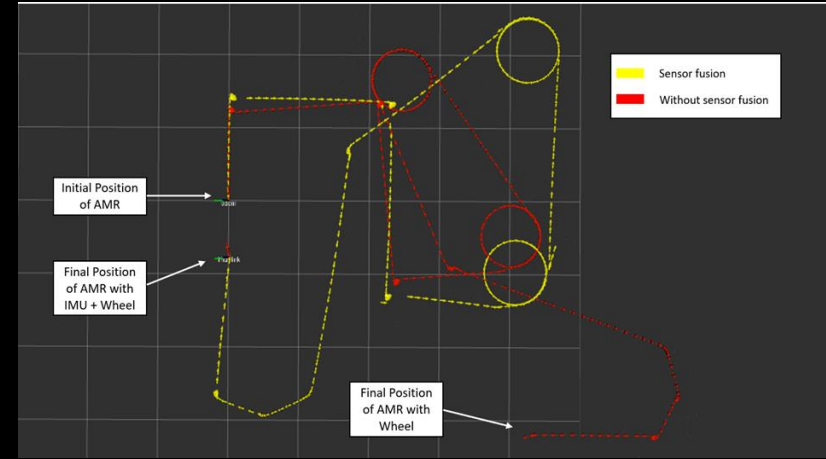
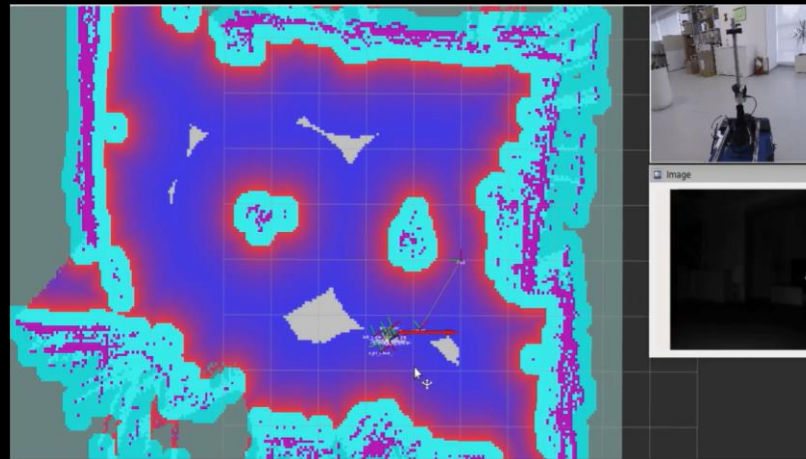
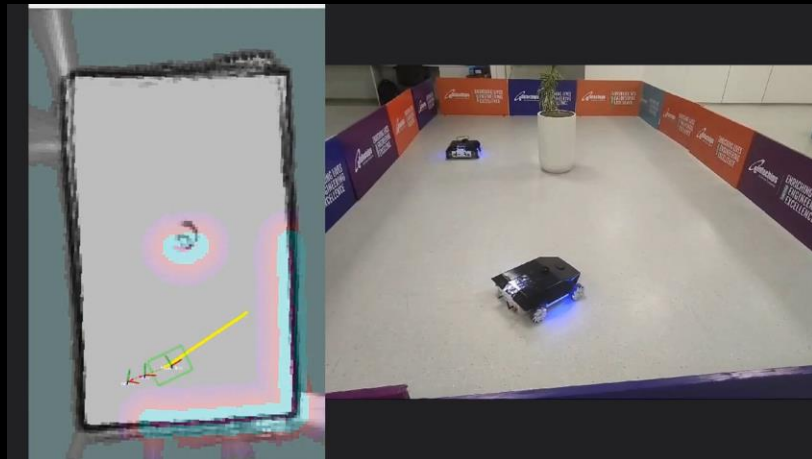
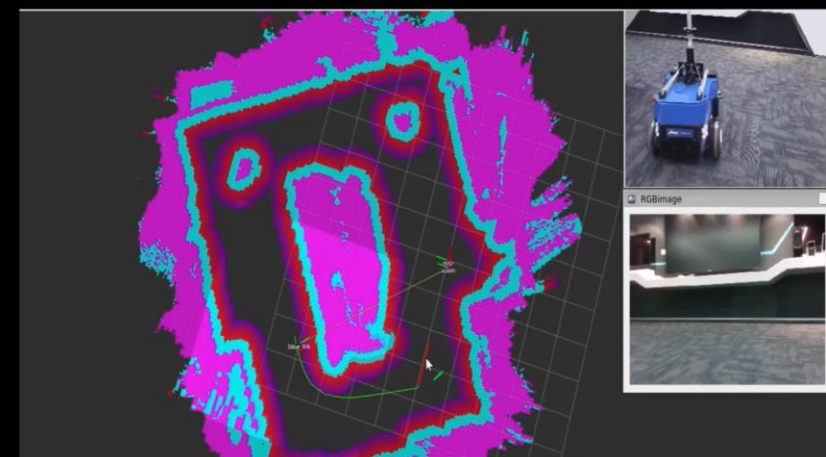
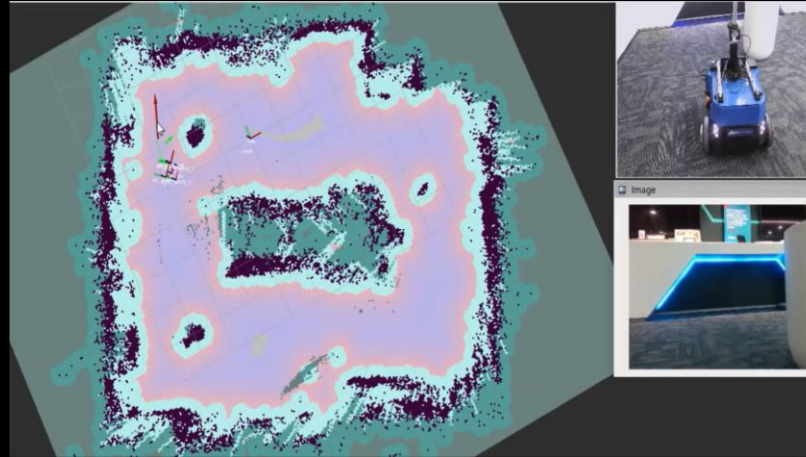
NAT UI (Agentic)
For exploration, investigation, and analyst-assist workflows.



Gradio MCP (Bounded Workflows)
For repeatable, governed, production workflows and automations.



Endless Possibilities
One question can securely connect your data, systems, and people.





3X

