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AI Model Governance with CDGC

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Where data & AI come to 

Housekeeping Tips



- Today's Webinar is scheduled for **1 hour**
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the **Q&A option** and we will respond at the end of the presentation
- The webinar is **being recorded** and will be available on our [Success Portal](#) - where you can download the **slide deck** for the presentation. The link to the recording will be emailed as well.
- Please take time to complete the **post-webinar survey** and provide your feedback and suggestions for upcoming topics.

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Agenda

Introduction

AI Model Governance: What is it and why it matters

How Informatica CDGC Supports AI Model Governance at Enterprise level

Scanning AI Models from Databricks - Demo

Scanning AI Models from Google Vertex AI - Demo

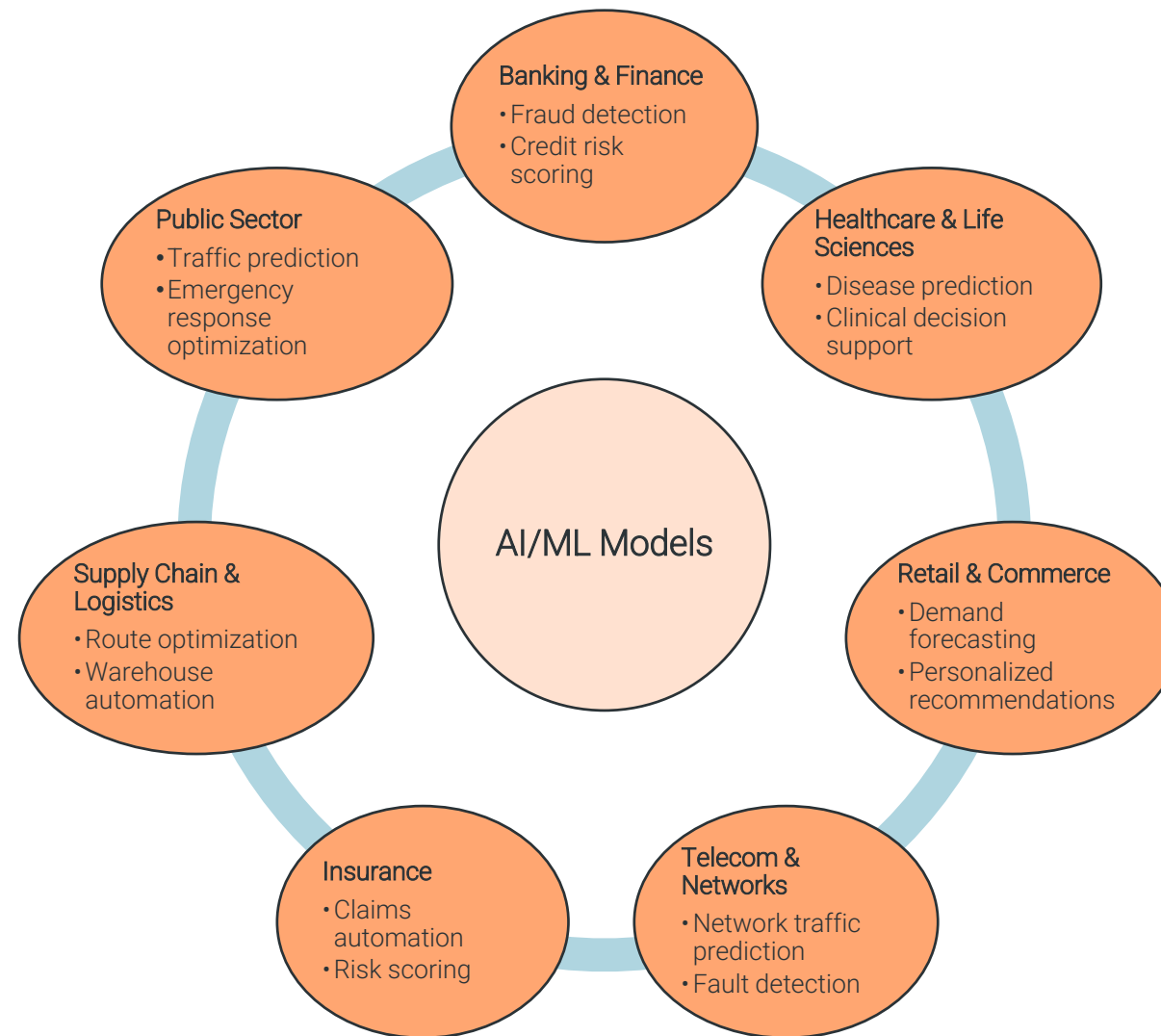
Managing Business Assets Related to AI Governance

AI Governance in Practice: User Personas Overview

Persona driven demo walkthrough

Q&A

AI/ML Models Across the Industries



What is AI Model Governance

AI Model Governance ensures organizations know what models they have, how they are built and used, and whether their decisions can be trusted – while complying with enterprise policies, regulations, and data-privacy standards.

Key Questions Enterprises Need to Address:

- What AI models do we have, and what business use cases do they support?
- Which models are running in production?
- What data trained them, and is its quality verified?
- Who approved the model and who owns it?
- Are we compliant with internal policies and external regulations?
- Can we respond quickly to auditors and regulators?
- Can we explain the reasoning behind a model's specific decision?

Example:

- A sales-forecasting model starts producing inconsistent predictions across regions
- Inventory shortages and overstocking begin impacting revenue and operations
- Finance and risk teams question the reliability of the model
- Internal auditors request: Training data sources, Feature definitions, Model documentation, Approval history and change records

Without Model Governance vs. With Governance

Risks without governance

- No single view of forecasting models used for planning and reporting
- Unclear ownership when predictions are wrong
- Inability to explain how forecasts were generated
- Hidden data quality issues in sales, CRM, or transaction sources
- Model changes made without proper review,
- Audit findings due to weak controls and traceability
- Inventory and revenue planning errors
- Increased financial and reputational risk

With Governance

- Clear inventory of forecasting models and their business usage
- Defined ownership and approval workflows
- Traceability from forecasts back to actual data sources and features
- Early detection of data quality issues impacting predictions
- Faster reviews by finance, risk, and audit teams
- Reliable AI adoption in core business planning processes



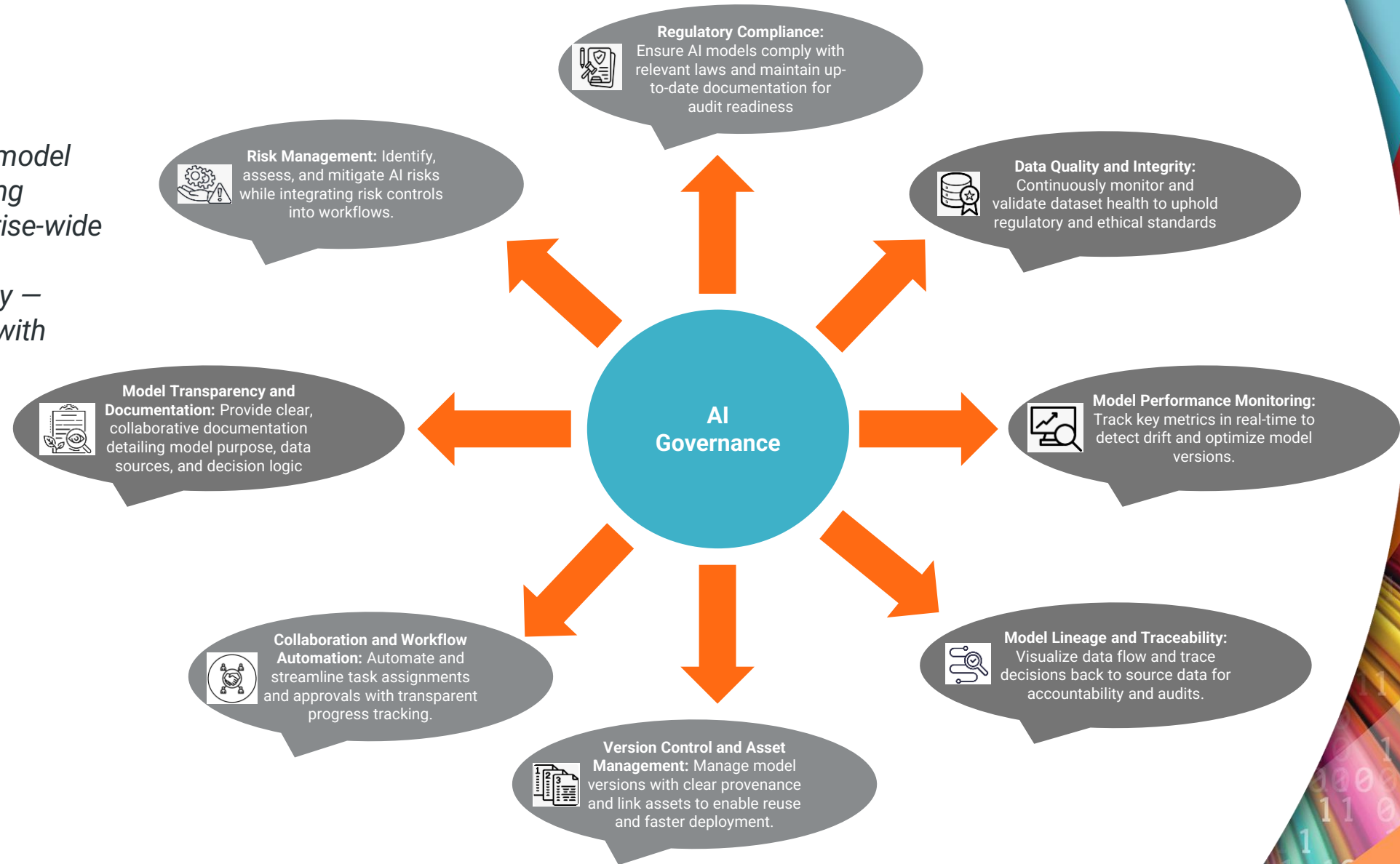
“AI experimentation is widespread, yet organization-level impact remains rare.

Enterprise Data & AI Governance bridges that gap.”

How Informatica CDGC Supports AI Model Governance



“Informatica CDGC elevates AI model governance by seamlessly linking monitoring metrics with enterprise-wide data insights—lineage, quality, ownership, workflows and policy – helping scale the AI innovation with confidence.”



Scanning AI Models in CDGC

Metadata from machine learning models deployed in Databricks Unity Catalog and Google Vertex AI can be extracted and ingested into CDGC. When you scan the AI/ML models, information such as model name, description, model version, evaluation metrics and other attributes are ingested into CDGC.

CDGC also captures lineage information for the AI/ML models, which helps track the datasets used to train each model.

Databricks AI Model

- Database
 - |→ Schema
 - |→ AI Model Core
 - |→ AI Model Core Version
 - |→ Column
 - |→ Evaluation Metrics
- Folder
 - |→ Experiment
 - |→ Experiment Run
 - |→ Notebook Definition
 - |→ Notebook Instance

Google Vertex AI Model

- Project
 - |→ AI Model Core
 - |→ AI Model Core Version
 - |→ Evaluation
 - |→ Evaluation Metrics

Scanning AI Models from Databricks Unity Catalog in CDGC (1/2)

Overview

- In Databricks, AI models are computer programs that use data to recognize patterns, make predictions, and solve problems.
- A **model version** represents a specific iteration or snapshot of the model.
- Each time a model is updated or retrained and registered, a **new model version** is created.

High-Level Flow of AI Model Development in Databricks (Unity Catalog):

Ingest & Prepare Data

Data lands in Unity Catalog—managed tables across **Bronze** → **Silver** → **Gold** layers.

Prepare & Engineer Features

Features are created and stored in **Delta tables** or the **Feature Store**, fully governed by Unity Catalog.

Experiment & Train Models

Models are developed and trained using notebooks and MLflow. **MLflow Experiments** track runs, parameters, metrics, and artifacts

Register Models

The best-performing model is validated and registered in the **Unity Catalog Model Registry**, with versioning, tags, and aliases.

Deploy Models

Models are deployed via **batch jobs**, **real-time endpoints**, or **external systems**.

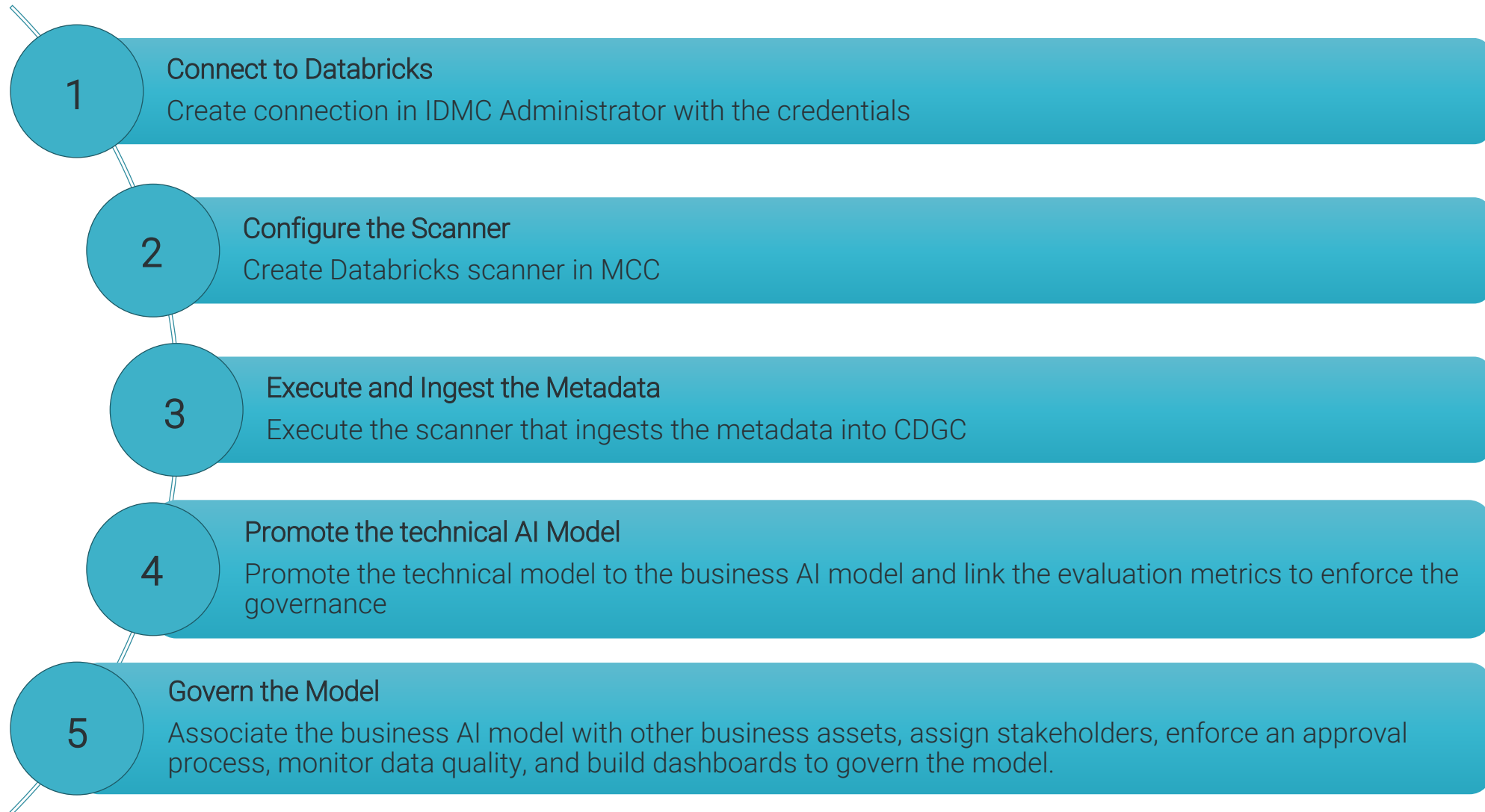
Monitor & Retrain

Model performance is monitored, drift is detected, and retraining is triggered as needed.

Governance & Lineage

Unity Catalog captures **end-to-end lineage** across datasets, features, models, and endpoints **within the Databricks ecosystem**.

Scanning AI Models from Databricks Unity Catalog in CDGC (2/2)



Scanning AI Models from Google Vertex AI in CDGC

- Vertex AI is a unified, managed machine learning (ML) platform from Google Cloud that provides tools to build, train, and deploy AI models.
- It offers a single environment for all AI and ML workloads, from simple tasks with pre-trained models to complex custom model development using tools like AutoML.
- Vertex AI also includes a growing set of tools for developing and managing generative AI applications.

1

Configure the Scanner

Create Google Vertex AI scanner in MCC with the credentials

2

Execute and Ingest the Metadata

Execute the scanner that ingests the metadata into CDGC

3

Promote the technical AI Model

Promote the technical model to the business AI model and link the evaluation metrics to enforce the governance

4

Govern the Model

Associate the business AI model with other business assets, assign stakeholders, enforce an approval process, monitor data quality, and build dashboards to govern the model.

Manage AI Governance with Business Assets in CDGC



AI System

Represents and tracks machine-learning systems, capturing the AI models, data, and technologies used to ensure governance and transparency of AI-driven tasks



Project

Organizes AI-related initiatives and activities, enabling structured oversight and alignment with governance objectives.



AI Model

Defines the parameters, environment, inputs, outputs, and business rules of AI models to enable controlled, compliant, and explainable AI operations



Process

Documents business activities involving AI, clarifying why and how data is used, which supports traceability and impact analysis in AI governance



Data Set

Represents the data used by AI models, focusing on its business meaning to ensure data quality, lineage, and regulatory compliance.



Regulations

Records relevant legal requirements and clauses that drive AI governance policies and compliance efforts.



Metric

Represents key performance indicators and measurements related to AI outcomes, supporting monitoring and validation of AI effectiveness.



Policy

Captures internal rules and guidelines that govern AI model development, deployment, and data usage to ensure adherence to regulations and company standards



Geography

Captures location-based context to manage AI governance requirements that vary by region or jurisdiction

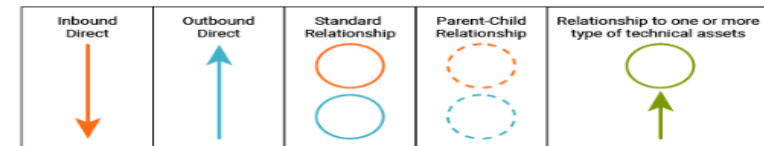
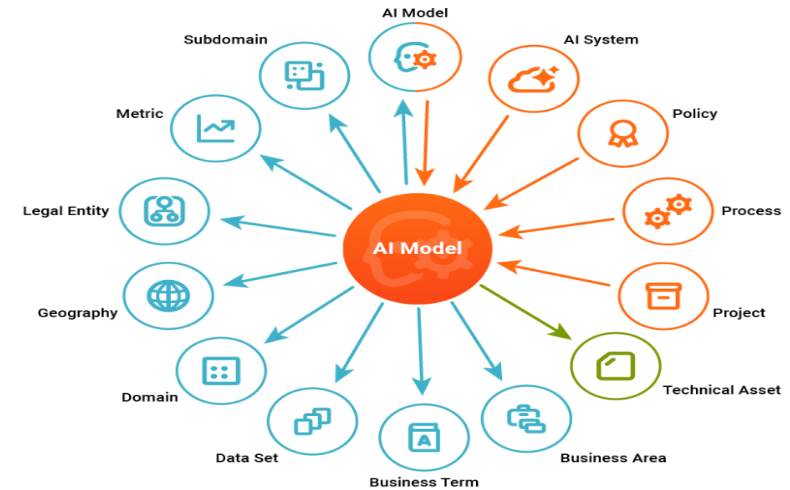


Legal Entity

Provides organizational context by linking AI assets to corporate entities, partners, or vendors, supporting accountability and compliance management.

AI Model

An AI model asset represents the essential parameters of an AI model. These parameters also include the environment where the model is run, the input parameters and the output data, and the business purpose and rules for the model. AI models provide insights for many activities so that you can make decisions faster and easier or provide prediction modeling.

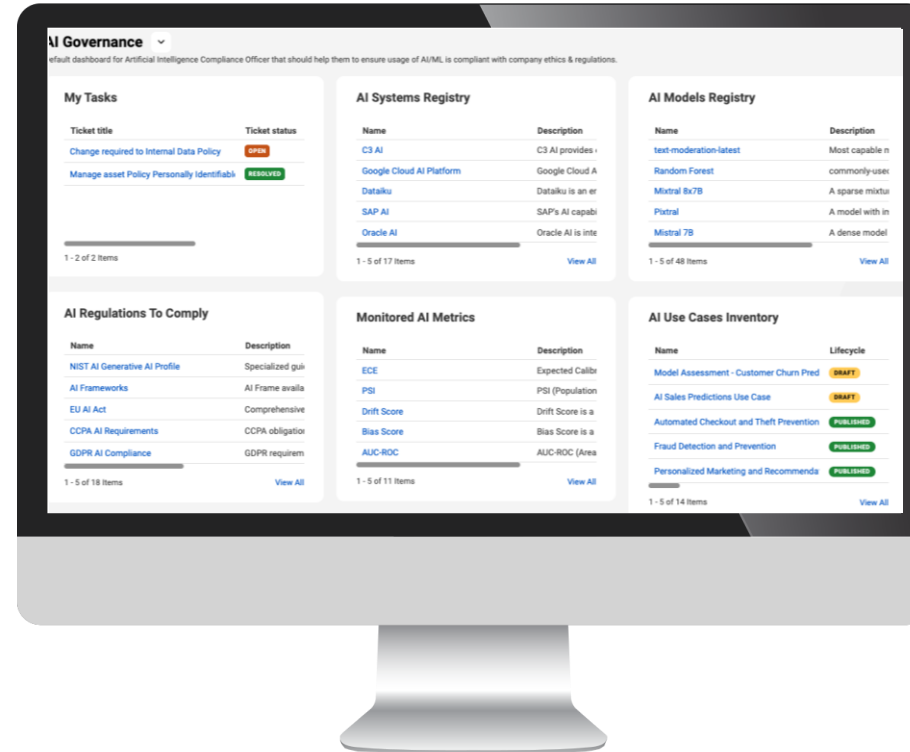


- Alex AI Gov Steward, Data Office
- Effective AI Governace

DEMO

- AI Governance Dashboard
- AI Inventories : System, Model, Use Cases
- AI Data Policies & Regulations
- Automated Lineage & DQ Monitoring
- Effective Collaboration

Where data & AI come to 



- Dan Data Scientist, CRM BU
- Request – Improve Sales forecast

AI Governance in Practice – AI Steward

AI Governance Steward (Data Office)

Alex is an AI Governance Steward responsible for ensuring the organization's AI systems comply with regulations, maintain high data quality, and foster collaboration across business units.

How Informatica Cloud Data Catalog Helps:

- Provides a centralized AI Governance Dashboard to monitor tasks, policies, and workflows
- Offers AI Inventories to search, find, and understand all AI assets such as models, datasets, and policies
- Enables automated Data Quality (DQ) monitoring at scale for datasets used in AI models
- Supports compliance workflows aligned with regulations like the EU AI Act
- Includes notifications and collaboration tools to streamline stakeholder engagement

Key Activities in Informatica catalog:

- Review AI Governance Dashboard for pending tasks and policy validations
- Search and inventory AI models and related assets across enterprise.
- Monitor data quality scores and compliance status for AI assets
- Track AI model lineage and dependencies for transparency
- Manage workflows and collaborate with stakeholders

AI Governance in Practice – Data Scientist

Data Scientist (CRM Business Unit)

Dan is a Data Scientist tasked with improving sales forecasting using AI. Dan wants to leverage existing AI models and high-quality datasets to accelerate development and ensure compliance.

How Informatica Cloud Data Catalog Helps:

- Provides centralized search across all AI systems, reports, and datasets
- Offers detailed AI model metadata including input/output datasets and evaluation metrics
- Gives visibility into model lineage and data quality overlays
- Provides access to a data marketplace for authorized reuse of models and datasets
- Links business context and project details to AI use cases

Key Activities in Informatica catalog:

- Search for existing “sales forecast” AI models and filter results
- Review model details: description, input/output datasets, and performance metrics
- Examine data lineage to understand data sources and dependencies
- Check data quality scores and compliance policies linked to the model
- Access related business use case and project information for context
- Request access to models/datasets via data marketplace if needed

Reference Document Links

AI Model :

https://onlinehelp.informatica.com/IICS/prod/DGC/en/index.htm#page/ab-understanding-businessassets/AI_Model.html

Business Asset Type Relationships :

https://docs.informatica.com/data-quality-cloud/cloud-data-governance-and-catalog/h2/_1831_Business_Asset_Type_Relationships/landing-page.html

Data Bricks :

<https://onlinehelp.informatica.com/IICS/prod/MCC/en/index.htm#page/metadata-command-center-catalog-source-configuration/Databricks.html>

Google Vertex AI Sources:

<https://docs.informatica.com/data-governance-and-quality-cloud/metadata-command-center/current-version/google-vertex-ai-sources/preface.html>

Thank You