



# HUD Industry IT Day – Office of Enterprise Data & Technology Solutions

December 2022

# Our CIO Program

## Strategy and Enterprise Execution



Defines, develops, and implements enterprise-wide technology, information management and cybersecurity strategies. Defines cloud, modernization and digital transformation strategies and implements mortgage loans/MBS technology solutions. Enables IT project governance and related risk management, and ensures infrastructure, cloud, technology directives and innovative solutions align with Ginnie Mae's cybersecurity and compliance initiatives.



**Infrastructure Team** – Strategizes, plans, designs and maintains our cloud-hosted infrastructure and ensures a reliable, available, supportable and scalable securitization platform enabling all MBS program activities.



**Technology Management Division** - Provides planning and technical execution leadership for evolving business, information, and IT security needs; ensures that the enterprise architecture and technology roadmap are aligned; enables business solutions delivery. Designs and enables AV capabilities and supports Capitol View office technology and virtual collaboration needs.



**Modernization Program Solutions** - Provides strategic vision, planning and execution evolving our securitization and other program capabilities with more technological advances and processing capabilities. Engages with Sr. executive leadership to define, direct and support the development of new applications and capabilities that meet the evolving needs of the enterprise. Develops and maintains a Modernization Roadmap.



**Enterprise Data Solutions Division** – Defines, implements and maintains an enterprise information management strategy that meets the needs of business stakeholders. Develops and maintains an analytics vision that delivers the right data to the right people and at the right time. Delivers and maintains data-as-a-service capabilities and ensures that data is managed as an enterprise asset.



**Information Security Division** – Identifies, evaluates, and reports on legal, regulatory, IT, and cybersecurity risks to information assets. Collaborates with Ginnie Mae Program Offices to ensure compliance to cyber mandates, controls, and procedures.



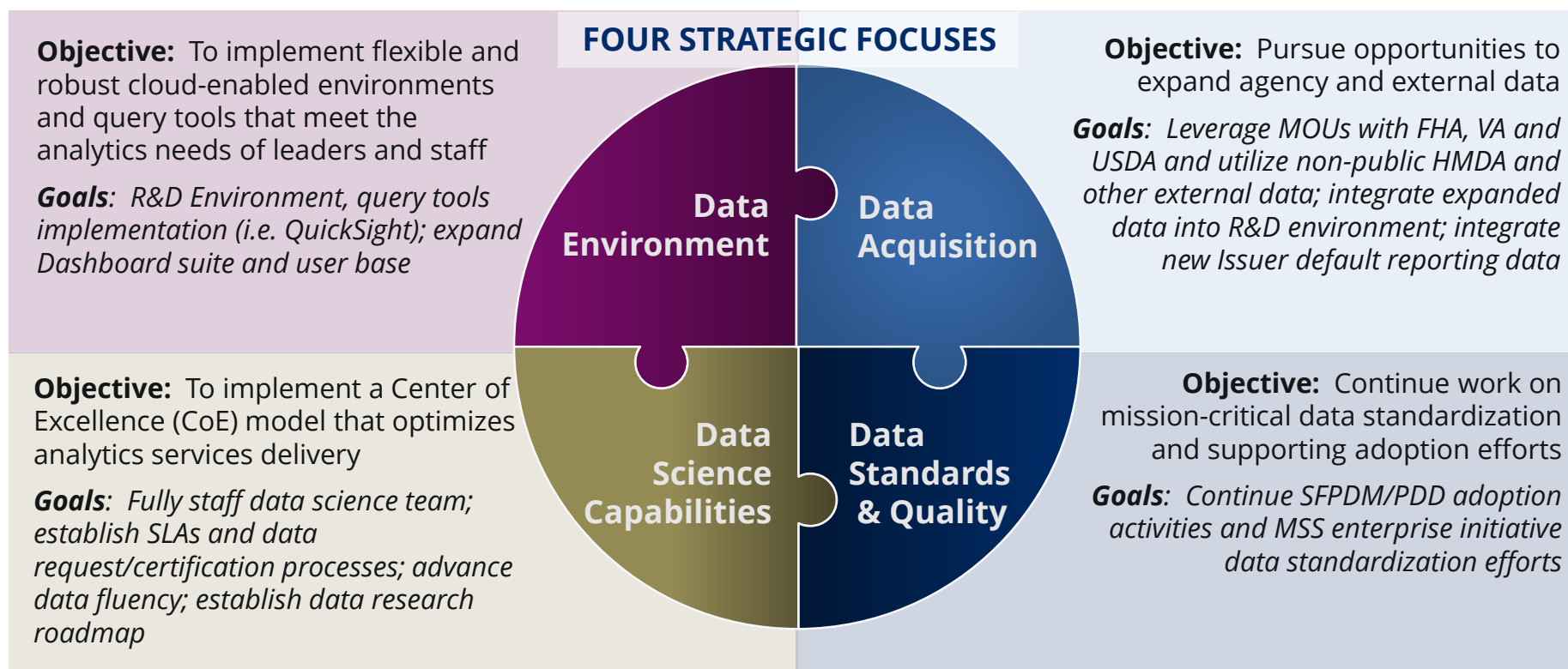
**Project Management Office (PMO)** - Provides governance and oversight, ensuring that projects comply with established guidelines; standardizes project management processes, tools, and documentation; and monitors compliance to the project lifecycle methodology. Supports strict adherence to projects risk management.

# Analytics Vision and Strategic Focus

## ANALYTICS VISION

To maximize analytic insight capabilities across **trusted environments**, yielding greater confidence, consistency, and speed-to-decision for all employees.

*“The **right data** in front of the **right people** at the **right time**”*

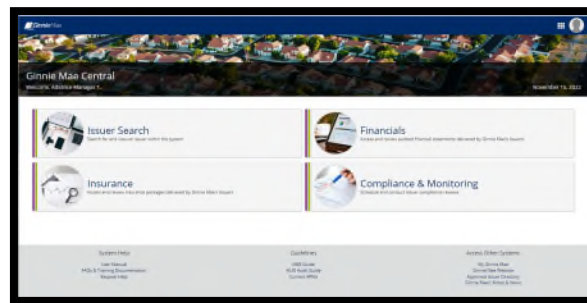


All focuses require strategic convergence with NextGen

### Completed Pilot



The **Compliance & Monitoring Pilot** led to a platform of hyperautomation use cases to optimize OIPM's business processes and mission (i.e. Ginnie Mae Central).



### NextGen Virtual Lab

The Virtual Lab was established to provide a **sandbox environment for piloting new technologies** at program offices across Ginnie Mae

### Proofs of Concept



# 6

**Six emerging technology proofs of concept** were developed under NextGen spanning 16 Ginnie Mae use cases

The proofs of concept were spread across **3 themes**:

**Digitization:** Using blockchain, smart contracts, event management, and APIs in loan remittance and reporting

**Rapid Analytics Database:** leveraging ML to blend and analyze data from multiple sources to quickly generate insights

**Hyperautomation:** Using low-code technologies to efficiently and effectively handle business processes



### What's Next in FY23:



#### Federal Housing Blockchain Network:

Launch collaboration platform for Federal Housing Blockchain concepts, best practices, and general knowledge sharing

#### Enforcement Actions Pilot:

Solution designed empower Ginnie Mae to identify and address non-compliance via hyperautomation and Machine Learning

# 3

### Alliance Partners



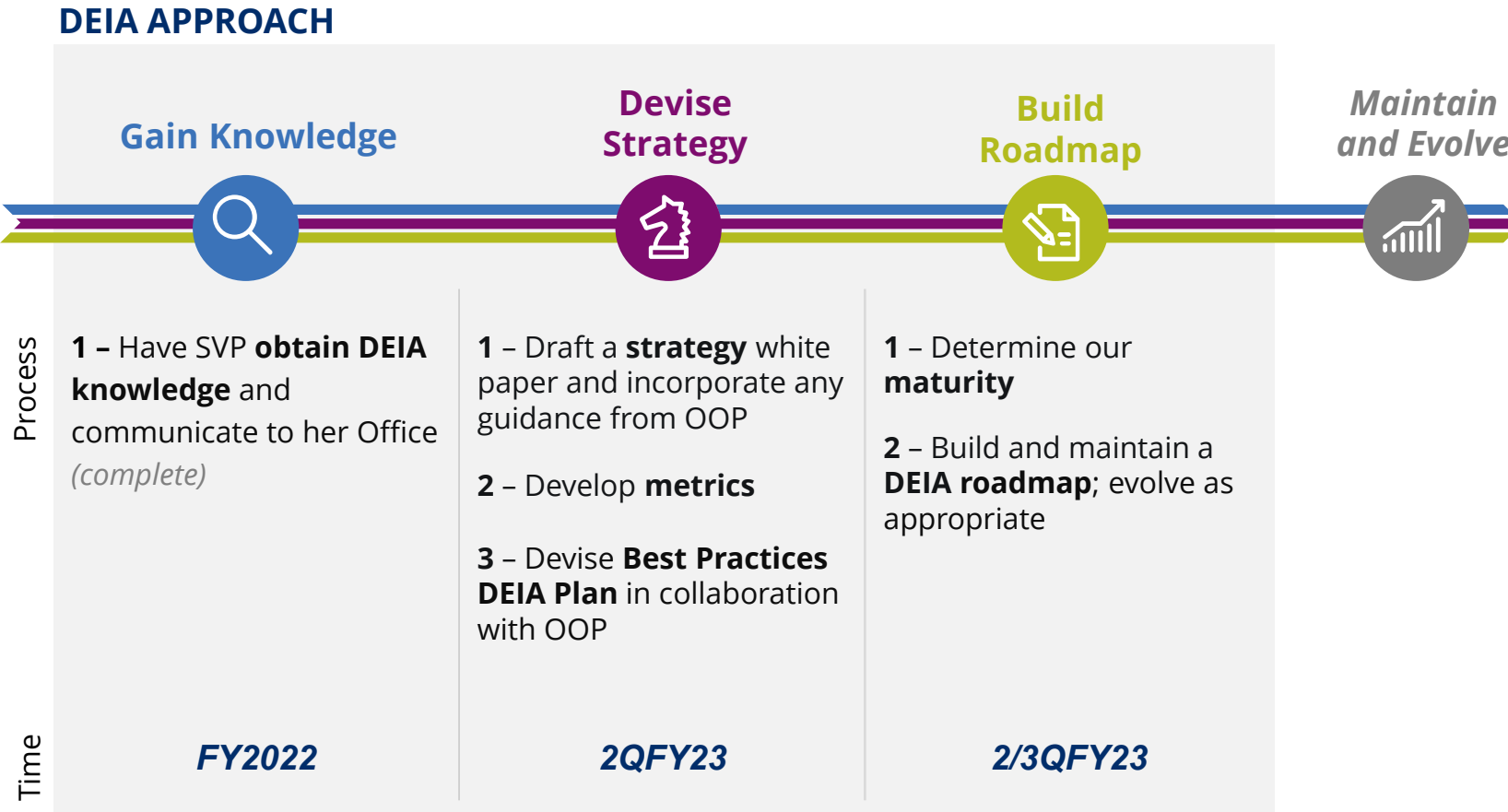
**Appian**

**NVIDIA**



# Diversity, Equity, Inclusion, & Accessibility (DEIA)

Our strategy will align with the White House Exec Order, June 2021, and will **strengthen** our program office by **promoting diversity, equity, inclusion and accessibility** and **ensure** our office looks like America. It will encompass OPM's guidelines.



## Key Contracts

1. AV and Technology Collaboration – New SB award in FY22
2. Cloud Application Migration and Operations (CAMO)
3. Cloud - IT Infrastructure Consolidation
4. General Licensing – SB
5. Hardware/Software Maintenance Support - SB
6. Information Security – IV&V services – SB/8a
7. Solutions Program Support – SB
8. Software Development BPA – 4 Awardees
9. Strategic Modernization and Planning Support – SB

## Contracts – 2023 & Beyond

1. Analytics/Data Support (2 new)
2. Innovation and Emerging Technology POC/Prototype Development – (leveraging SW Development BPA)
3. IT Applications Operations & Maintenance – Evaluation and Recommendations (new)
4. IT PMO and EPMO Support – HUD BPA (expect award in Dec 2022)
5. Digital Transformation Program - in collaboration with Office of Securities Operations (OSO) – RFI released
6. MBSOA (recompete) (OSO)
7. Intent: IT Cybersecurity – IV & V (recompete – 8a)
8. Intent: Business Solutions (OSO)
9. Intent: Customer Experience (OSO)