

THE DATA JOURNEY

GOVERNMENT ENTERPRISE ANALYTICS CENTER OF EXCELLENCE

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THE POWER TO KNOW.

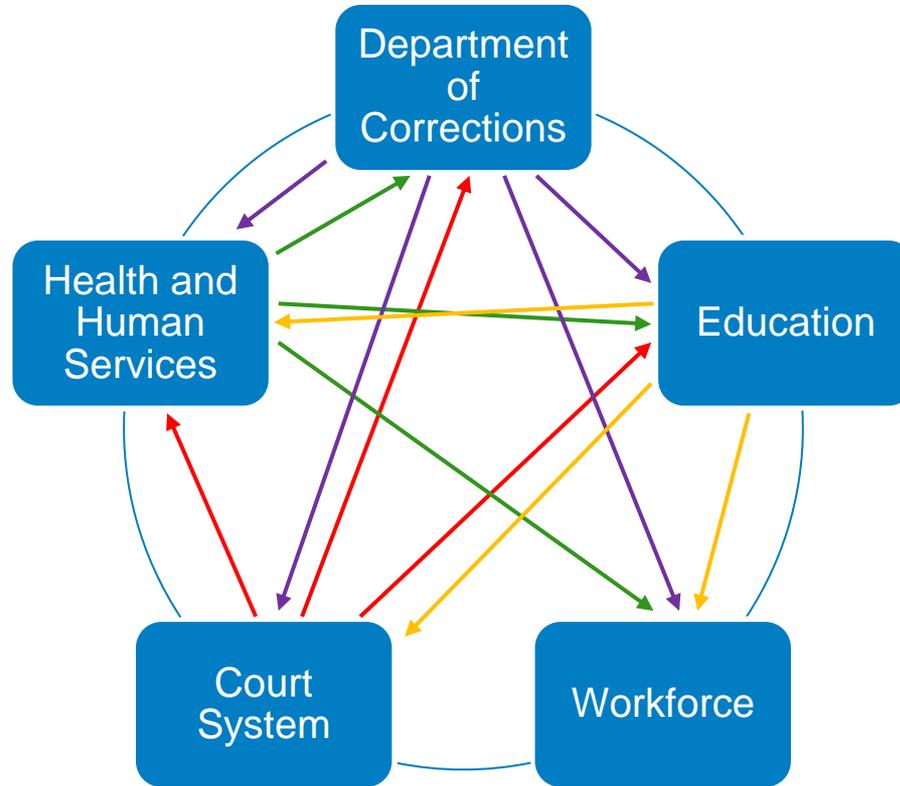
ISSUES FACING GOVERNMENT DATA MANAGEMENT

- **Transparency and Accountability**
- **Compliance, Waste, and Abuse**
- **Performance and Outcome Monitoring**
- **Improved Citizen Experience**
- **Policy**

CHALLENGES WITH GOVERNMENT DATA MANAGEMENT

- **Government systems historically built in silos for specific business purposes**
- **Limited view of integrated data to make enterprise business decisions**
- **Repetitive and duplicative data interfaces and storage**
- **Wide variety of technologies, tools, formats and standards**
 - **High degree of customized technologies makes upgrades and additional training required very expensive**

CHALLENGES WITH GOVERNMENT DATA MANAGEMENT



WHY AN ENTERPRISE ANALYTICS CENTER OF EXCELLENCE?

The EA COE is an enterprise program to promote the use of government data as an asset to support business decisions.

A EA COE:

- Fosters interagency collaboration among and between the branches of governments and their sub-units;
- Establishes statewide standards to improve data sharing, quality and consistency;
- Facilitates identification of enterprise technologies and tool-sets; and
- Builds competencies to improve efficiency and effectiveness in enterprise business intelligence efforts and helps prioritize BI project implementation.

ONE STATE'S DATA JOURNEY

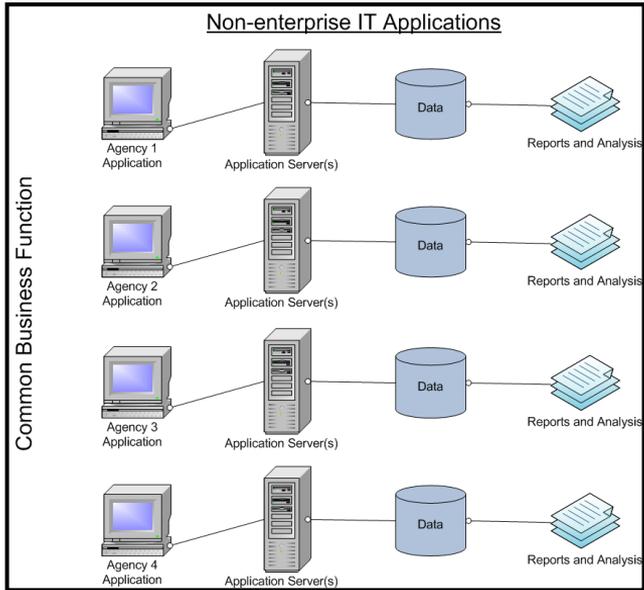
NORTH CAROLINA



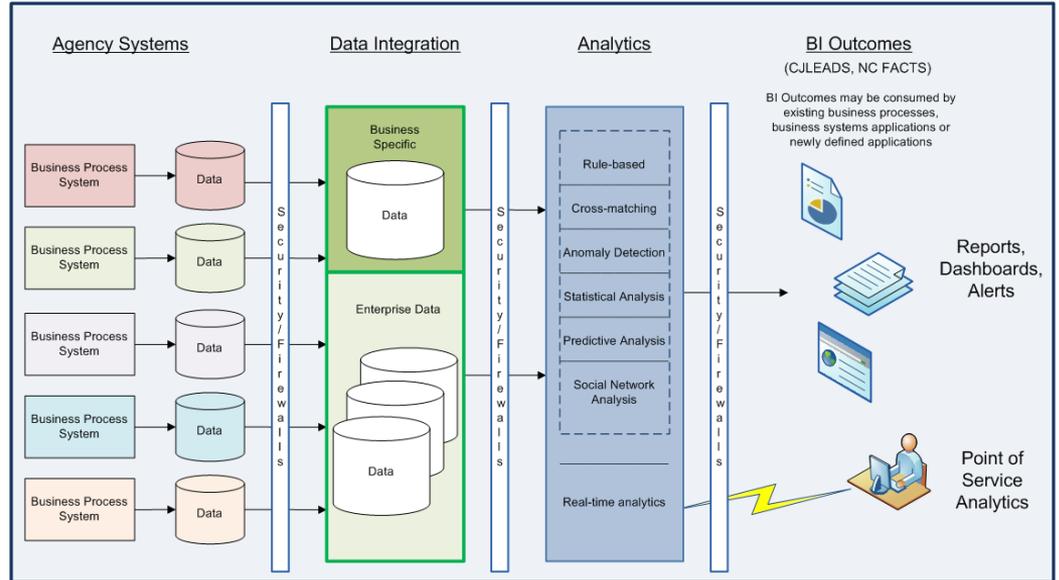
ONE STATE'S DATA JOURNEY

- Recognized the need to leverage the State's data assets as strategic information to make better informed business decisions
 - Silo-ed operational systems
 - Lack of access to comprehensive data
 - Manual, time consuming process to integrate data for key business decisions
- Established a statewide data integration initiative

CURRENT ENVIRONMENT



FUTURE VISION



CRIMINAL JUSTICE LAW ENFORCEMENT AUTOMATED DATA SERVICES (CJLEADS)

- Tragic events highlighted the need for integrated criminal justice data
- Two primary objectives:
 - To provide a comprehensive profile of an offender, including all North Carolina criminal data through a single, web-based system including photographic images
 - To provide a “watch list” capability to alert criminal justice professionals when persons of interest have a change in status, such as arrest or release from custody.
- Serves over 27,000 criminal justice professionals statewide including State, local and federal law enforcement, judges, prosecutors, magistrates, clerks of court, prison officials, and probation/parole officers

NC FACTS

The **North Carolina Financial Accountability and Compliance Technology System (NC FACTS)** program develops analytic solutions to support fraud and compliance alerting as well as social network analysis.

Objectives

- To develop analytics to identify and prioritize alerts about potential fraud, waste or compliance issues
- To provide comprehensive information to support investigation and resolution of alerts
- To provide social network analysis to visually demonstrate relationships between key entities associated with a case

Current Efforts

- Pilot fraud project - Division of Employment Security
 - Unemployment insurance employer tax compliance and fictitious employer analysis
 - Unemployment insurance benefit payment analysis
- Pilot compliance project – NC Industrial Commission
 - Workers' Compensation Insurance Compliance

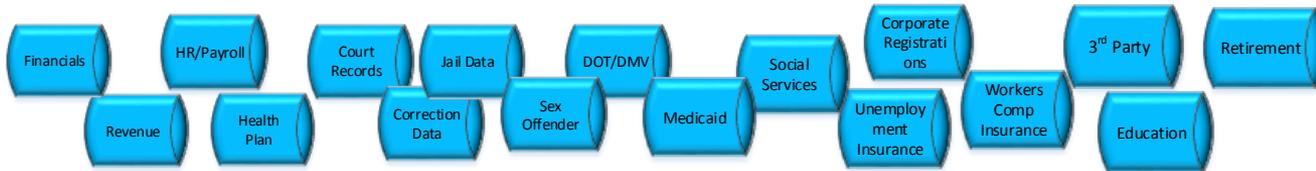
GOVERNMENT DATA ANALYTICS CENTER (GDAC)

Government Data Analytics Center (GDAC)

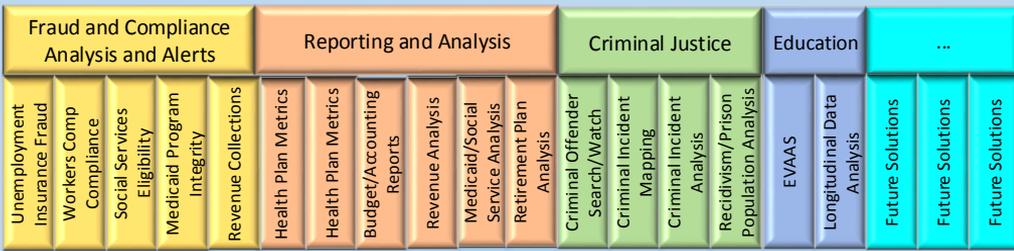
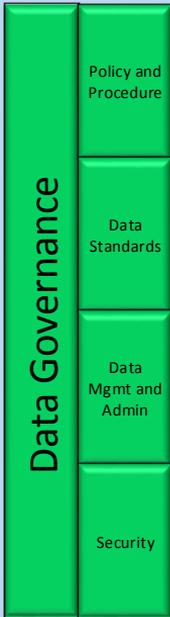
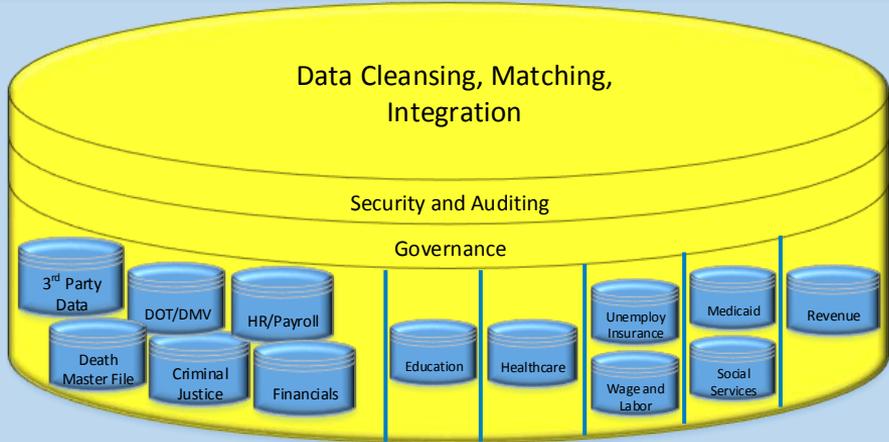
The GDAC is an enterprise program to promote the use of North Carolina's data as an asset to support business decisions. The GDAC fosters interagency collaboration among and between the branches of governments and their sub-units to establish statewide business intelligence (BI) standards, to improve data sharing, quality and consistency and facilitate the identification, development and support of BI solutions for the State.

Government Data Analytics Center (GDAC)

- Criminal Justice Data Integration (CJLEADS)
- Fraud and Compliance Alerts (NC FACTS)
- Reporting and Analytics (GDAC)



Extract, Transform and Load



GDAC STATUS

- Transition to the Office of the State Chief Information Officer
- Continue new BI initiatives

Key Factors for Success:

- Obtain strong executive support
- Defined clear outcomes and expectations
- Manage the “people” factor first
- Build strong teams
- Think globally, act locally
- Develop the data repository based on business need and with the ability to “re-use” information
- Operationalize the results
- Drive policy and decisions based on evidence

QUESTIONS