CURRENT CALIFORNIA PRETRIAL DATA ECOSYSTEM

Current technical strategy is based on geography:

- Each county acts as a separate entity, responsible for developing and implementing its own software systems and data pipelines.

Counties typically need to view, access, and merge data from multiple partners. This effort is currently repeated manually, or with some automation, in 42 out of 58 counties across the state.

Local counties and the Judicial Council hire their own staff, resulting in a duplication of skills and personnel across the system.

Most counties procure expensive and proprietary software solutions, limiting their ability to share code and solutions across boundaries.

OVERVIEW OF CURRENT CALIFORNIA PRETRIAL DATA ECOSYSTEM

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ADVANTAGES

- Each jurisdiction creates its own highly customized system.

DISADVANTAGES

- Extremely high cost of implementation and management.
- Extremely high cost of infrastructure and maintenance of data centers.
- Extended timelines to implement data pipelines as each county has to work on its own.
- Human resource intensive.
- Fails to leverage the benefits of technology at scale or share solutions with other jurisdictions.
- Creates a highly fragmented system that is prone to failure.
- New features and upgrades cannot be launched system-wide.

TYPICAL COUNTY-LEVEL DATA PROCESSING: Source, Extraction, Destination

- Source: Judicial partner systems
- Extraction: Extract, transfer, load data
- Custom script/query for each source

- Destination: County Pretrial Information System
- Merged data for validation and visualization

Shasta County Data Pipeline

Santa Clara County Data Pipeline

Ventura County Data Pipeline

San Diego County Data Pipeline

+ 54 pipelines

Shasta Process

Santa Clara Process

Ventura Process

San Diego Process

+ 54 processes

Judicial Council

Data repository dashboard

People

Swim lanes

Counties

Local counties and the Judicial Council hire their own staff, resulting in a duplication of skills and personnel across the system.

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Each county’s data pipeline is managed as a separate entity. California is segmented into 58 counties total.