Roadmap to a New Court Management System

CIS LEADERSHIP TEAM

REFRESH

RESET

REFOCUS

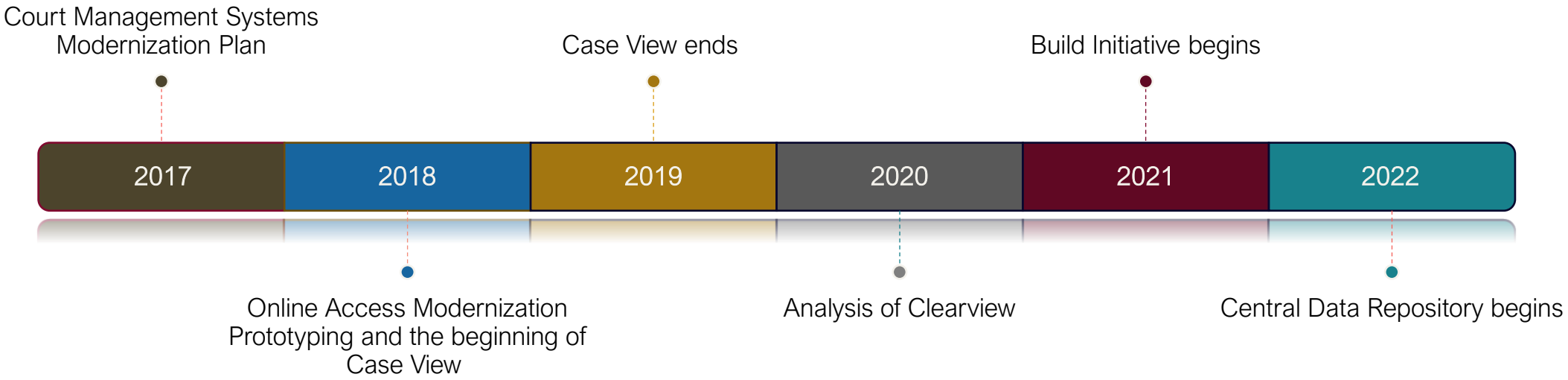
Introduction

- Our **mission** is providing technology to ensure justice
- Our **vision** is innovative technology supporting access to justice anytime, anywhere, on any device
- Contexte/eFlex/Juror/iMIS need to be retired
- The cost of building a new system will be less than other options
- Building a new system without the constraints of our legacy systems will better enable us to fulfill our mission and realize our vision
- No vendor will ever care as much about our customers as we do

Agenda

- Timeline
- Updates
- Roadmap
- Resources
- Help us

Timeline


Court Management Systems Modernization Plan
Case View ends
Build Initiative begins
2017
2018
2019
2020
2021
2022
Online Access Modernization Prototyping and the beginning of Case View
Analysis of Clearview
Central Data Repository begins

Updates

STACEY CARDIN

Our Current Applications

- Contexte: Case Mgm't System
- Juror: Jury Mgm't System
- MJI: My Jury Info
- Eflex: Electronic Efiling System
- Epay: Online Payment System
- IMIS: Attorney Management System
- JDCCMS: Juvenile Drug Court Case Mgm't System
- Dnet: Dependency Neglect Application
- SAVRY: Structured Assessment for Violent and at-risk Youth
- SCALES: The Specialty Court Application and Legal Exchange System
- Court Connect
- USAAPP

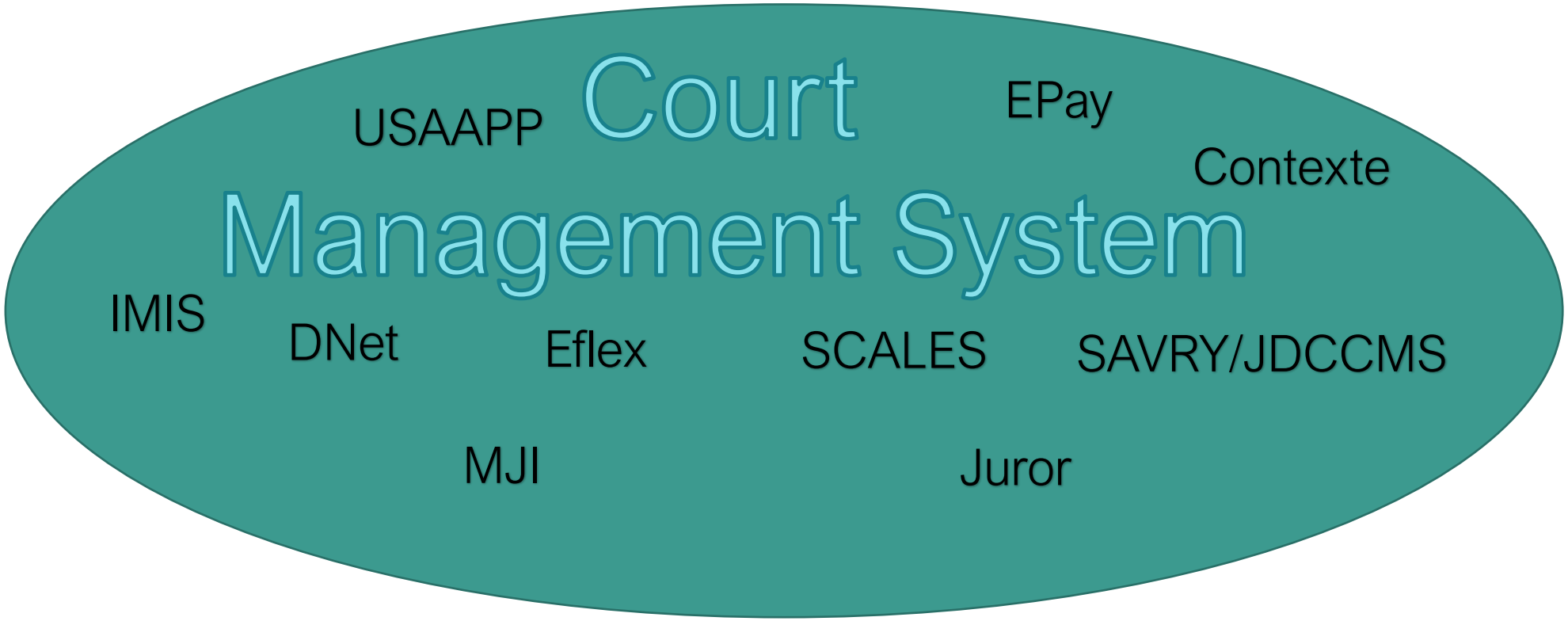
Challenges with our current applications

EACH APPLICATION HAS A

- DIFFERENT ADDRESS(URL)
- LOGIN
- DATABASE

Application Vision

One Application One URL One Login



The Data

EACH APPLICATION IS CONNECTED TO THEIR RESPECTIVE DBS.

- ORACLE
- SQL SERVER

CHALLENGES

- THE SAME INFORMATION EXISTS IN MULTIPLE DBS AND CAN EASILY BECOME OUT OF SYNC
- MULTIPLE TECHNOLOGIES TO MANAGE

- CONSOLIDATION OF DATA INTO A
- CENTRAL DATA REPOSITORY

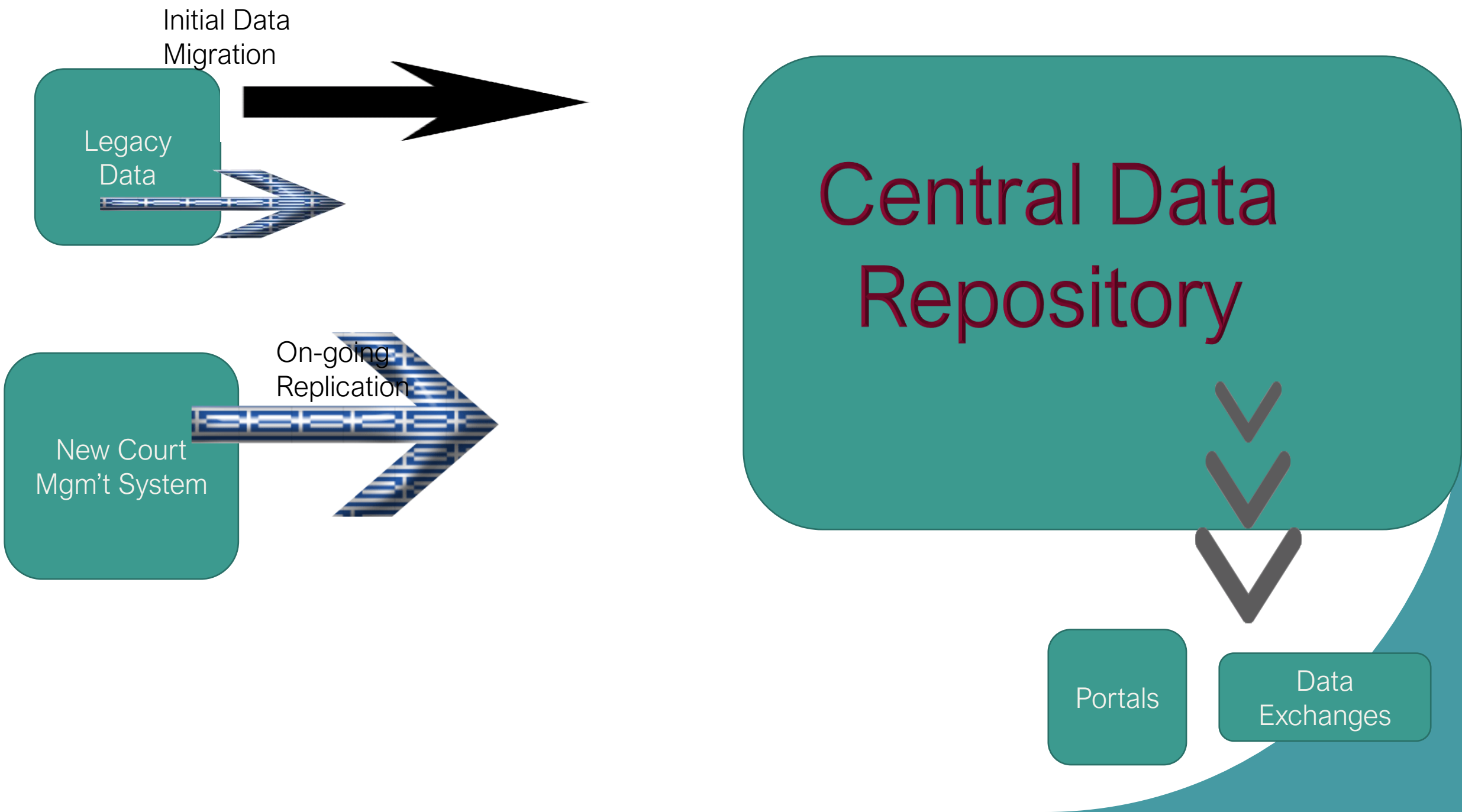
Click to add text

Legacy Systems:

- Case Management Systems – Contexte
- Jury Management System – Juror
- Attorney Efiling System – Eflex
- Online Payment System – ePay
- Specialty Court System – SCALES
- Structured Assessment for Violent and at-Risk Youth – SAVRY
- Juvenile Drug Court Case Management System – JDCCMS
- DNET
- Random Justice
- Service Document Maintenance – Court Services
- Court User Security Management – USAAPP
- Attorney Management System – IMIS
- My Jury Info – MJI

Central Data Repository

- One time Data Migration from Legacy Systems to CDR
- Ongoing Replication to CDR to sync data from Legacy Systems
- Data still be available to be use in Legacy System till we have new system built.


Initial Data Migration
Legacy Data
On-going Replication
New Court Mgm't System
Central Data Repository
Portals
Data Exchanges

Central Data Repository

- Will the CDR contain all data entered into the Legacy Systems and the new system?
- Will the data in the CDR reflect historical and current data?

YES

Roadmap

LEE LOWE

Build Initiative First Product Roadmap

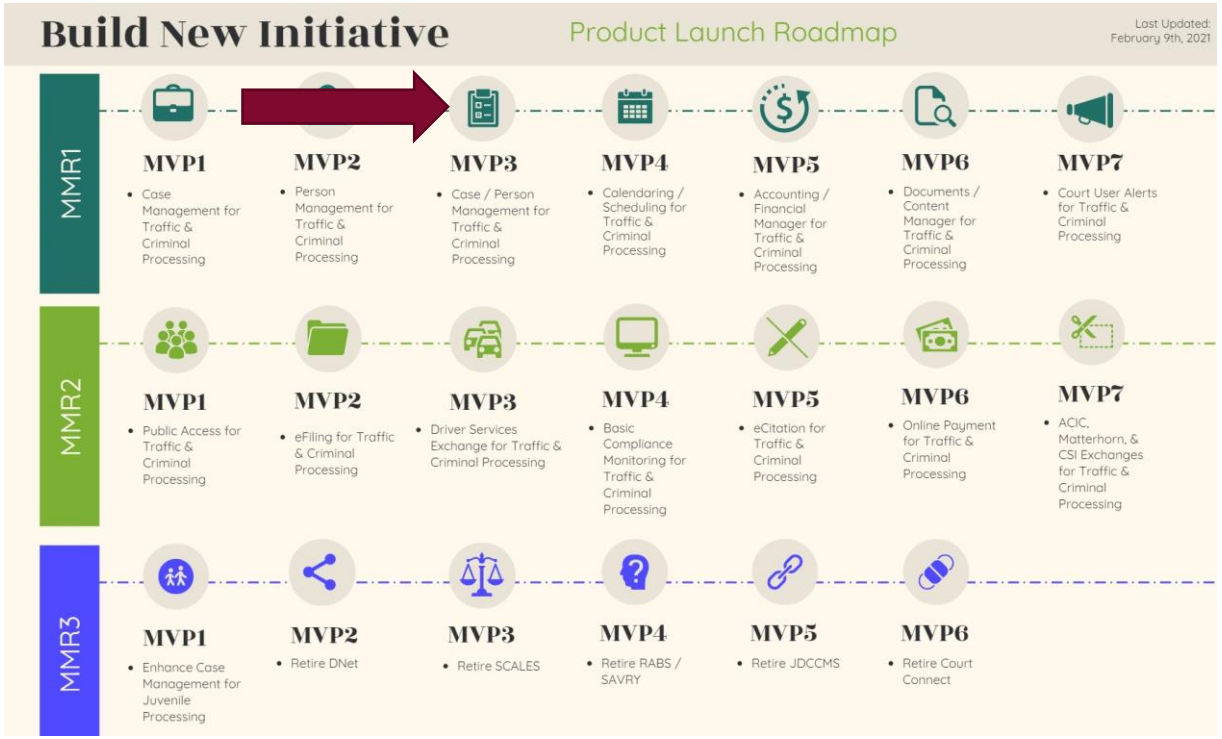
- First created and included in the November 2020 proposal to build a new system
- Divided current functionality into Minimum Marketable Releases (MMR); each MMR was then broken down into multiple Minimum Viable Products (MVP)
- Develop the most complex area first to reduce risk
- New Infrastructure, platform, architecture, and framework
- New team and new skills

Build Initiative First Product Roadmap

Minimum Marketable Releases

- MMR1 – Core Case Management functionality required for Traffic & Criminal Management at all levels
- MMR2 – Enhance MMR1 to match current legacy functionality for Traffic & Criminal Management at all levels
- MMR3 – Add Juvenile Processing
- MMR4 – Add Attorney Management
- MMR5 – Add Civil / Small Claims Processing
- MMR6 – Add Domestic Relations / Probate Processing
- MMR7 – Jury Management

Build Initiative First Product Roadmap



2021 - A Year in Review

END OF 2020

- CIS Division created a plan to build a new court management system for the Arkansas Judiciary
- Disciplined Agile Methodology
- No Funding
- Volunteers from the CIS Division
- Pandemic / Remote Work
- Learning curve

2021

Q1 – Inception to determine architecture, tools, language, what should the user interface include

Q2 – Proof of Concept to begin working with the new architecture & tools for feasibility

Q3 – Development on creating & searching a case with case level information

Q4 – Development on updating & deleting a case with case level information

2022 – A New Year

QUARTER'S 1 & 2

- Inception on Person (Entity) Management
- Develop the Initial User Interface for Person Demographics Information
- Begin development on user authentication and authorization
- Begin constructing a central data repository solution to bring legacy data into the new system
- No funding
- Moved additional staff from current teams to the build initiative

QUARTER 3 & 4 TARGETING**

- Complete work on user authentication and authorization
- Begin to integrate person management and case management
- Continue development of person & case management to include all needed fields
- Continuously replicate data from Contexte into the new central data repository
- Build replacement for Public Court Connect using the new central data repository

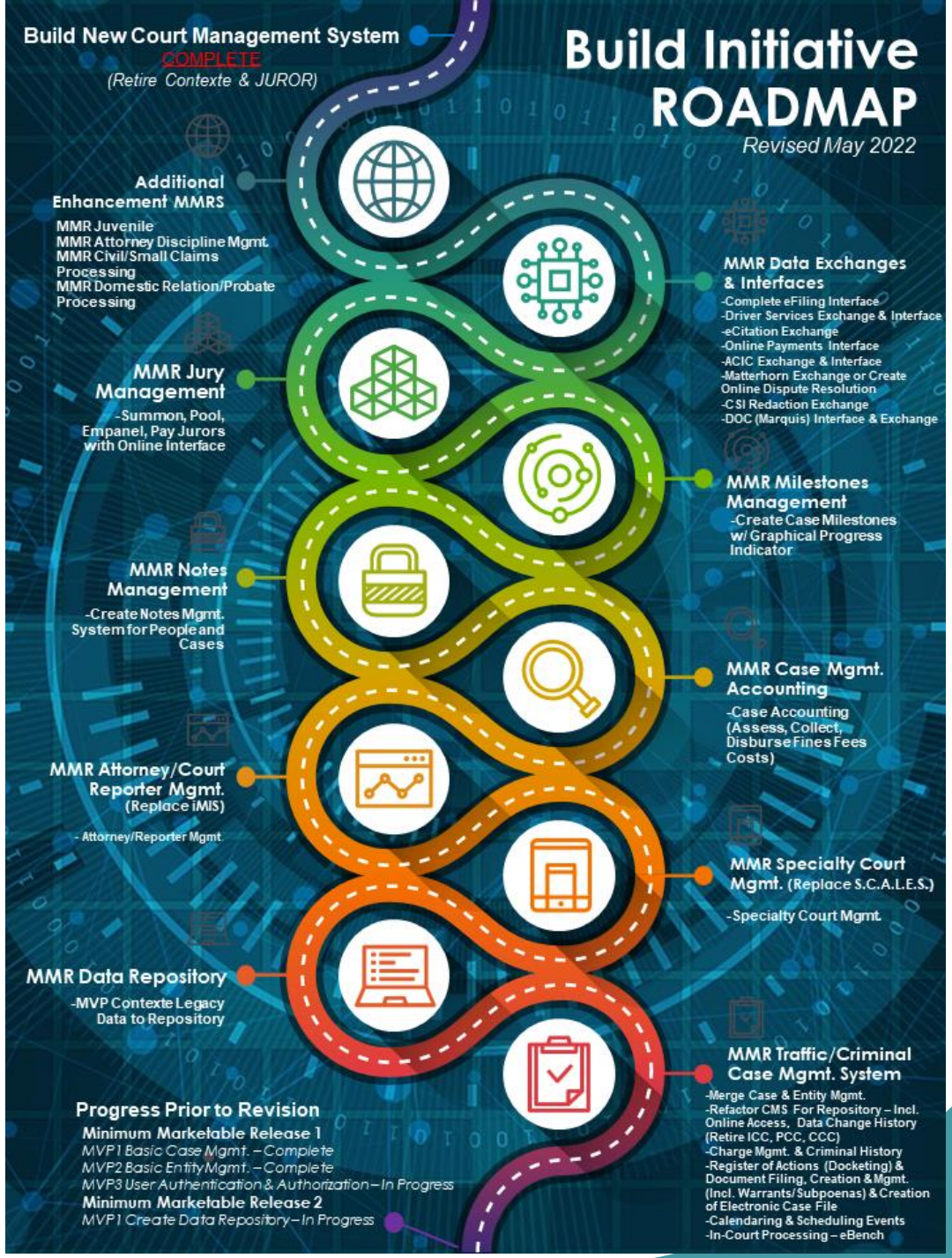
**NOTE: Input from focus group & stakeholders may change the priority of future work

Why Update?

- Eighteen months of experience with build new initiative & thinking less about how we've been doing it and more on how it should be done
- Some MVP's needed to be MMR's and some MMR's needed to be MVP's
- Functionality not specified in initial roadmap:
  - The development of the repository of legacy data and its interaction with the new system
  - Notes and Milestones
- Roadmap needed to be scalable to adjust to the number of resources available

Updated Roadmap

- Added Data Repository, Notes, and Milestones
- Continue with the progress prior to revision and updated the MMR
  - Merge Case & Entity Mgmt
  - Refactor to retire PCC, ICC, & CCC
  - Charge Mgmt & Criminal History
  - Docketing, Document Mgmt & Electronic Case Filing
  - Calendaring & Scheduling Events
  - eBench
- Made Accounting its own MMR
- Reporting, notifications, alerts, history, repository changes, & workflow improvements should be considered as part of each MMR & MVP
- Removed the numbers from the names in anticipation of an increase in staff and the ability for parallel development



Resources

CECIL DAVIS

Build Initiative CMS - 2021

- 3 Members of the Leadership Team
- Product Owner
- Business Analyst
- 3 Programmers
- Tester

- Designed the Application Architecture
- Selected the Cloud Provider
- Set up our systems in the cloud

Build Initiative – Jan 2022

CMS TEAM

- Product Owner
- Team Leader
- 2 Programmers
- 2 Vacant Positions

CDR TEAM

- Product Owner
- Team Leader
- DBA
- 2 Programmers

Build Initiative – July 2022

CMS

- Product Owner
- Team Leader
- 5 Programmers
- Tester
- Business Analysts
- 2 Functional Architect
- 2 Vacant Positions

CDR

- Product Owner
- Team Leader
- 2 Programmers
- 1 Vacant Position

Build Court Management System Team

Jason Kennedy
Product Owner

Quentin Moore
Team Lead

Josh Chrestman
Architect Owner

Gil Escalante
Team Member

Dale Boyd
Team Member

Aaron Davis
Team Member

John Langston
Team Member

Coming to the team on July 25th

Natasha Foxley
Functional Architect

Carmella Fryar
Team Member

Vikram Madhira
Team Member

Nithin Pailla
Team Member

Vacant
Technical Architect

Vacant
Business Analyst

Build Central Data Repository Team

Mukesh Patel

Product Owner

Jose Hernandez

Team Lead

Chan Rajaram

Architect Owner

Lars Hultqvist

Team Member

Vacant

Functional Architect

What the future holds

- We have requested ARPA funding to scale up and we have developed a roadmap for development that can be delivered based on available resources
  - We will contract with local companies to augment staff
  - We will contract with companies for code delivery
  - We will contract with companies for architectural expertise

Help Us

CECIL DAVIS

How you can help

FOCUS GROUP

- Meet with the Build Teams at the ACAP Conference
- Join the Build Initiative Focus Group
- Provide user stories

TALK US UP

- ARPA Funding
- Legislative support

Feedback!

OPPORTUNITIES TO GET INVOLVED -

- EMAIL BUILD NEW TEAM AT CIS.BUILDNEW@ARCOURTS.GOV
  - USER STORIES (SHARE PAIN POINTS OF CURRENT SYSTEMS)

- FOCUS GROUP- MEETS EVERY OTHER WEDNESDAY VIA ZOOM @ 3:00 P.M.
  - FOR MORE INFORMATION, CONTACT JASON KENNEDY, PRODUCT OWNER AT JASON.KENNEDY@ARCOURTS.GOV

How we prioritize feedback to build new system?

Thank You

- Tim Holthoff
- Stacey Cardin
- Lee Lowe
- Cecil Davis