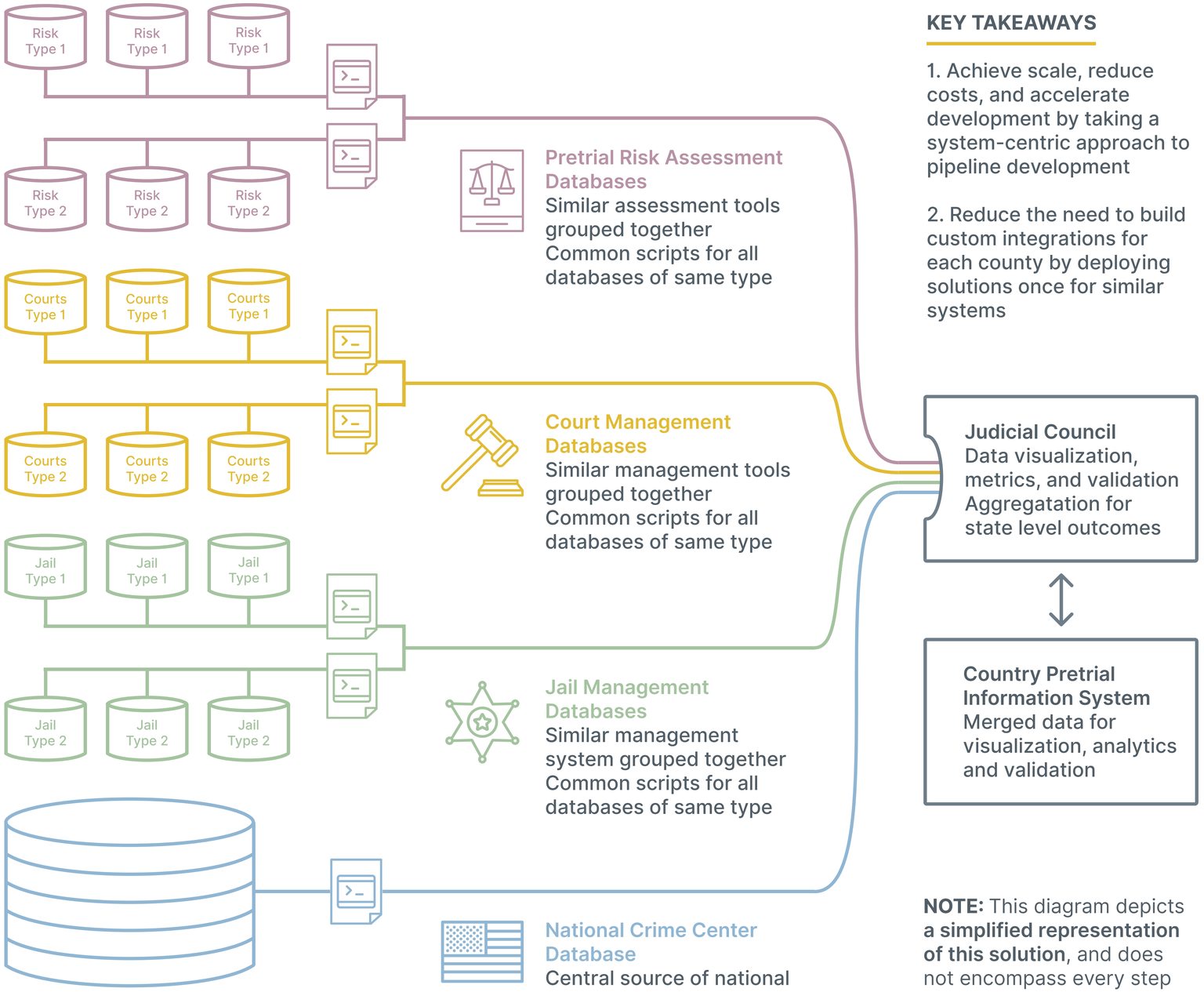
Recommended California Pretrial Data Pipeline



KEY TAKEAWAYS

1. Achieve scale, reduce costs, and accelerate development by taking a system-centric approach to pipeline development

2. Reduce the need to build custom integrations for each county by deploying solutions once for similar systems

NOTE: This diagram depicts **a simplified representation of this solution**, and does not encompass every step and entity relevant to this process

OVERVIEW OF RECOMMENDED CALIFORNIA PRETRIAL DATA ECOSYSTEM

Technical strategy is built on achieving scale by developing common data pipeline solutions for similar software systems

New data pipelines can be built on top of existing systems with a reduced need to "upgrade" an entire platform state-wide prior to beginning work

Counties and the JC share and reuse code by using Open Source Software (OSS) and modern software development practices

Counties and the Judicial Council hire the "right" engineering personnel to work together to develop solutions together and share knowledge

ADVANTAGES

Lower investment in technology by each county and the JC by building and deploying solutions only once for similar software systems

Counties benefit from shared solutions and resources

Achieve significant cost benefits through reuse of code and modular development

Accelerated development by engaging the OSS community and working with contractors that use modern software development practices

New features can be added and scaled in days and weeks as opposed to months and years

Additional cost savings achieved if IT infrastructure is cloud-based (vs. local data centers)

DISADVANTAGES

Burden to lead rests with Judicial Council including setting the strategy and hiring moderns software engineers and contractors

Limited consolidation across multiple systems still introduces technical and management complexity