ITG 1340 - Enterprise Integration Platform and External API

Rob Eby
Architecture & Strategy Manager

August 26, 2022

Background of ITG 1340

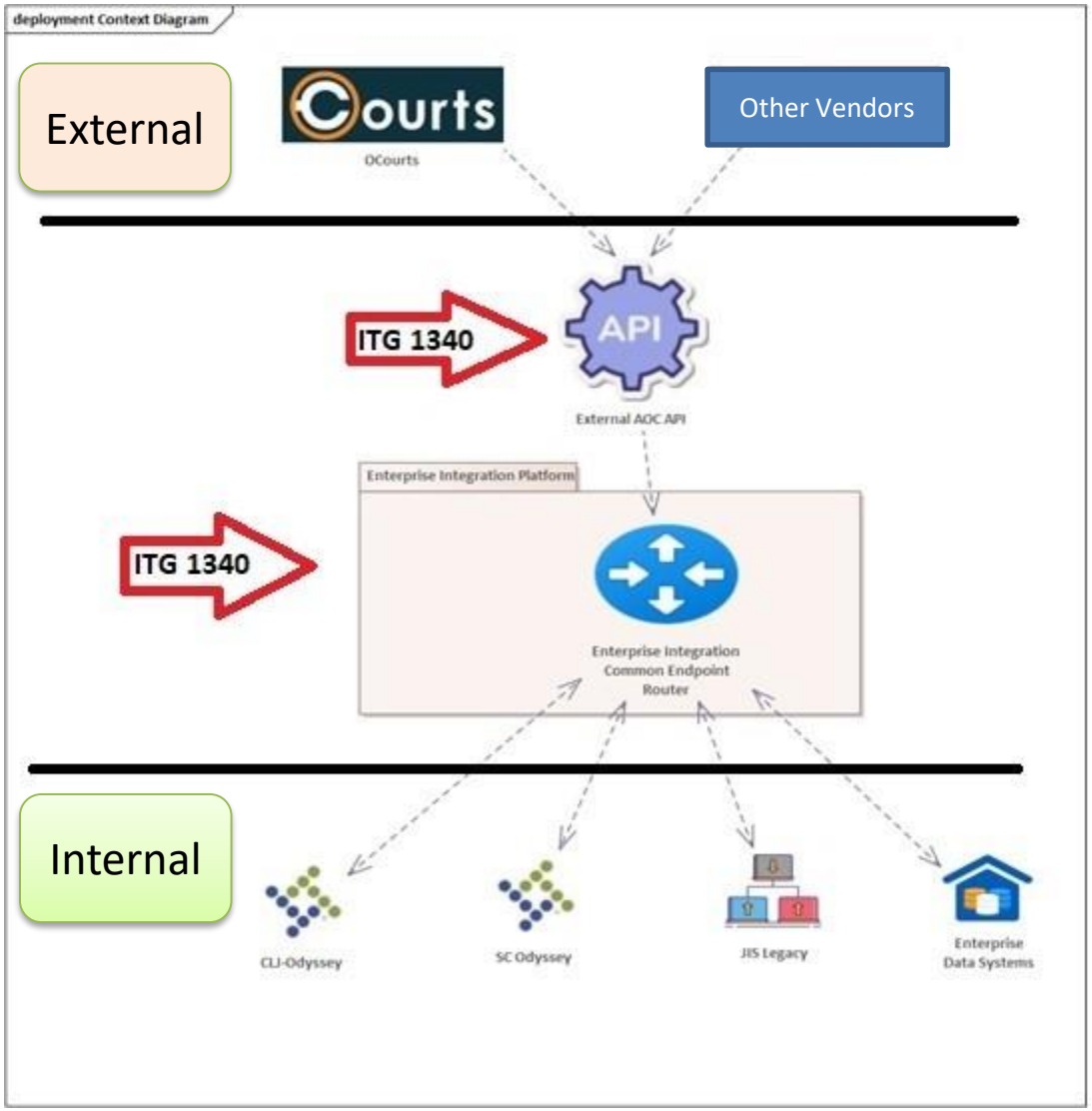
- Courts implement third-party systems to gain efficiencies and automate processes that are not offered by AOC
- AOC's long-term strategy includes planning for how to securely allow third-party systems to integrate with JIS
  - This ITG request is to implement that strategy
  - 2023-2025 decision package will fund this effort
- When completed, the Enterprise Integration Platform and External API will be the method to allow third-party software to send data to and receive data from JIS applications
  - For example, OCourts to Enterprise Justice for CLJs

ITG 1340 Scope

Two components:

- Enterprise Integration Platform for JIS applications
  - This creates the platform to allow data to flow to and from applications like Enterprise Justice
  - It knows where to send data and where to get data
- External Applications Programming Interface (API)
  - This is where third-party software “plugs in” to integrate with JIS applications
  - Each application, like OCourts, would need to develop its connections to the API to achieve integration

Architecture



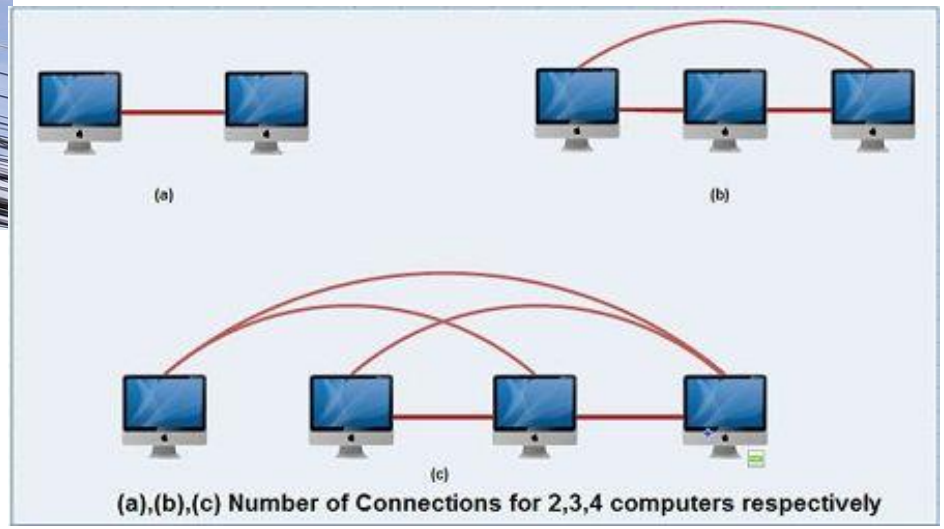
Technical Details

- Enterprise Integration Platform will be built on the Microsoft Azure Integration Platform which is a cloud based Software as a Service (SaaS) solution
- The External API will be built on the Microsoft Azure External Application Programming Interface (External API) Platform which is a cloud based Software as a Service (SaaS) solution that works directly with the Azure Integration Platform

Why This Direction?

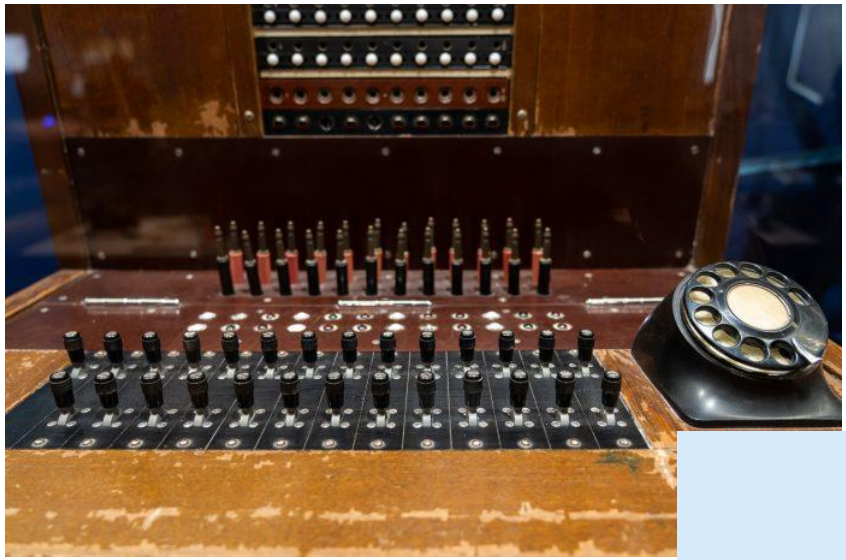
- Provides a **secure** Integration Platform that will build off AOC's existing BizTalk solution
- Compatible with the Tyler's Enterprise Justice as well as other 3rd party systems
- Flexible, scalable, and will allow AOC utilize new features and other cloud-based services as they become available
- Does not use point-to-point integration, reducing overall complexity and risk
- Improved security, logging and monitoring of court data

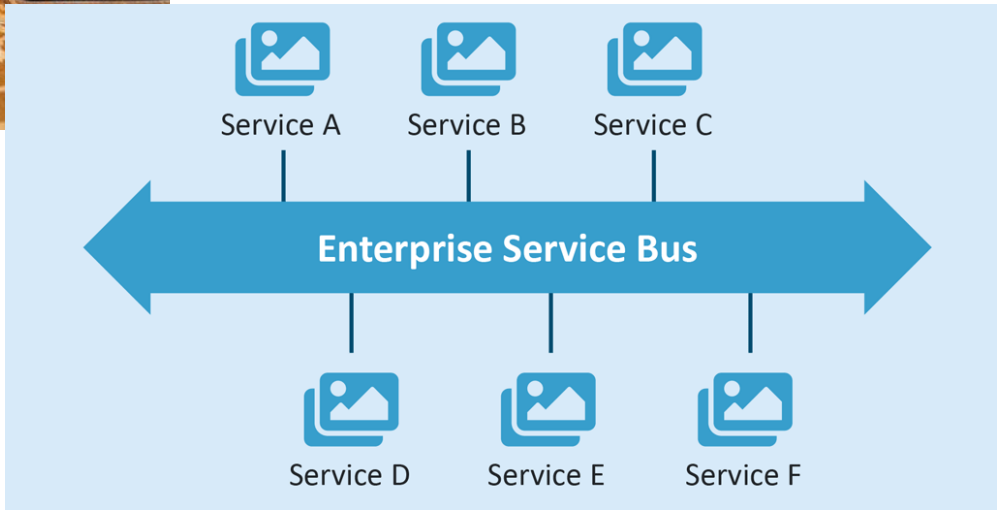
Point to Point Connectivity



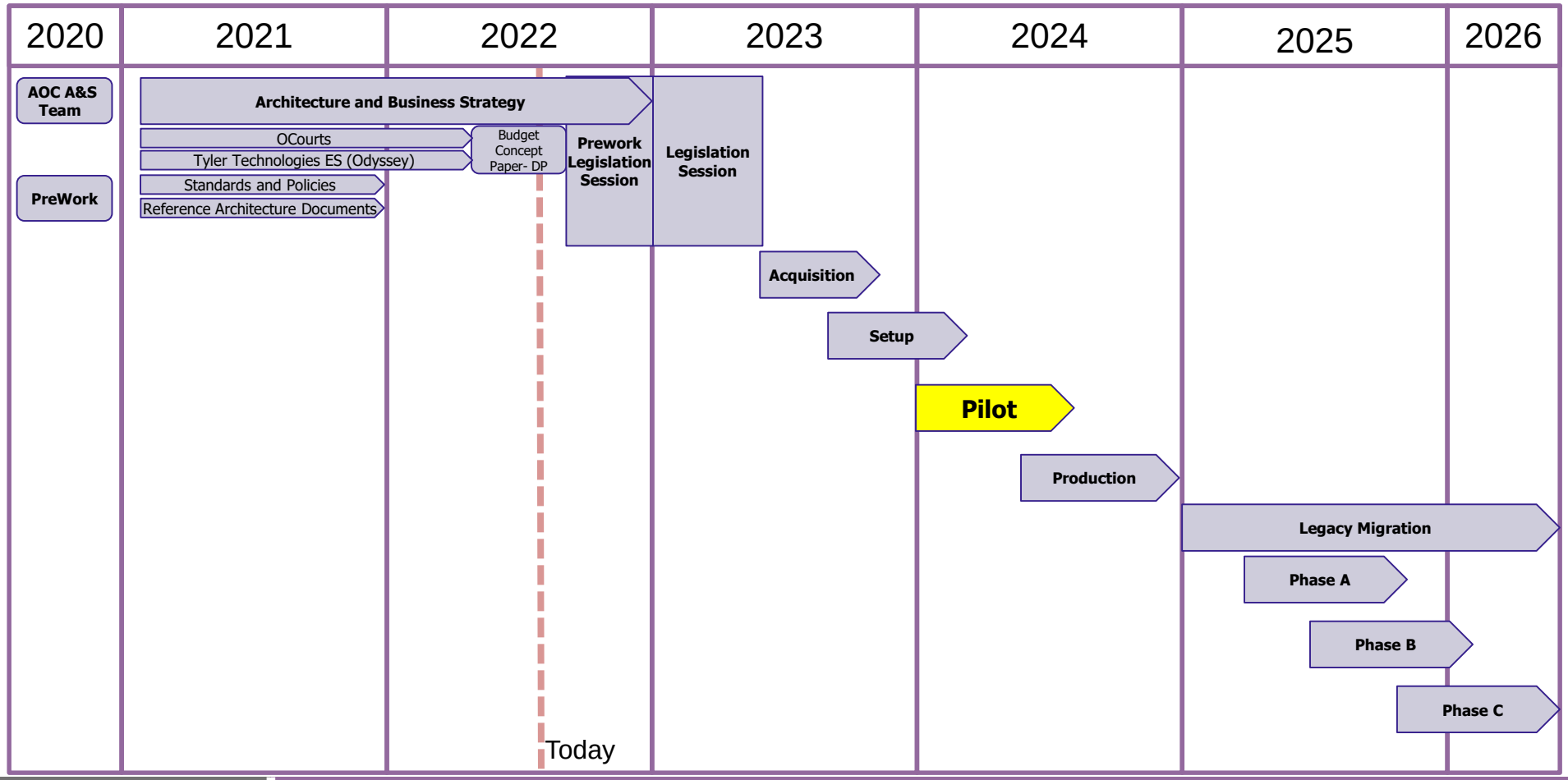
(a),(b),(c) Number of Connections for 2,3,4 computers respectively

Integration Platform Connectivity





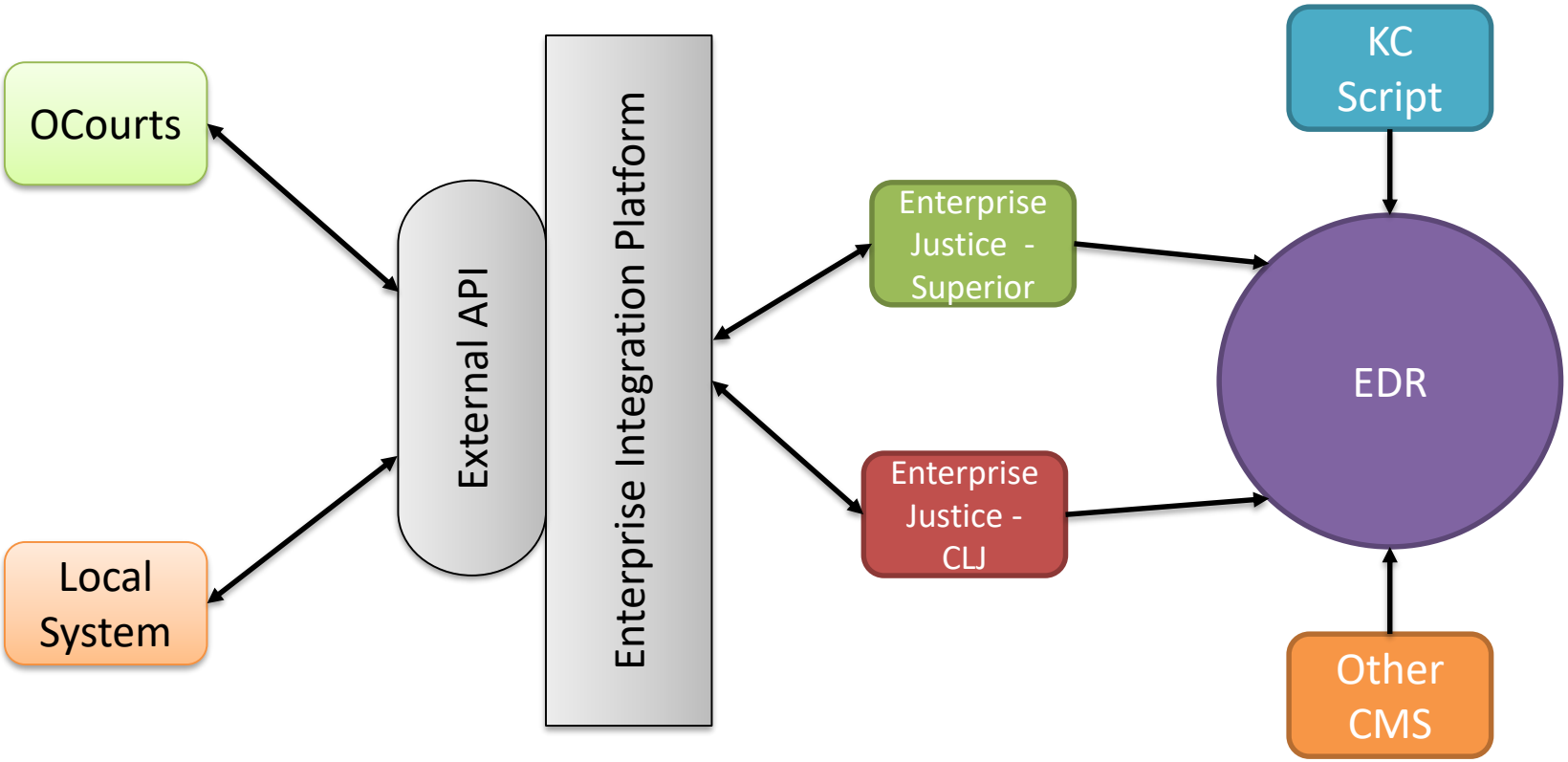
Timeline


2020
2021
2022
2023
2024
2025
2026
AOC A&S Team
PreWork
Architecture and Business Strategy
OCourts
Tyler Technologies ES (Odyssey)
Standards and Policies
Reference Architecture Documents
Budget Concept Paper- DP
Prework Legislation Session
Legislation Session
Acquisition
Setup
Pilot
Production
Legacy Migration
Phase A
Phase B
Phase C
Today

How Does This Relate to the EDR?

- The Enterprise Data Repository (EDR) receives statewide data from all case management systems for data sharing statewide
  - AOC systems like Enterprise Justice
  - Local systems like KC Script for the King County Clerk's Office
- The Integration Platform and External API will send and receive statewide and local data between AOC case management systems and local systems like OCourts
- This is just another piece of the overall Information Networking Hub (INH)

How Does This Relate to the EDR?



Current Activities

- ✓ Architecture staff and Court Services Division staff have been partnering in developing the requirements and architectural design
- ITG 1340 ready for authorization by the JISC
- Decision Package for ITG 1340 submitted

Next Steps

- Pre-project planning activities
- Begin development of RFP
- Conduct staff training
- Once funding is provided by the Legislature, begin project execution

Related ITG Request

- ITG 1345 - Integration of OCourts into CLJ-CMS has been submitted by DMCMA and is currently going through the ITG process
- This request could serve as the first system to utilize the Integration Platform and External API

Questions?

Decision Point