




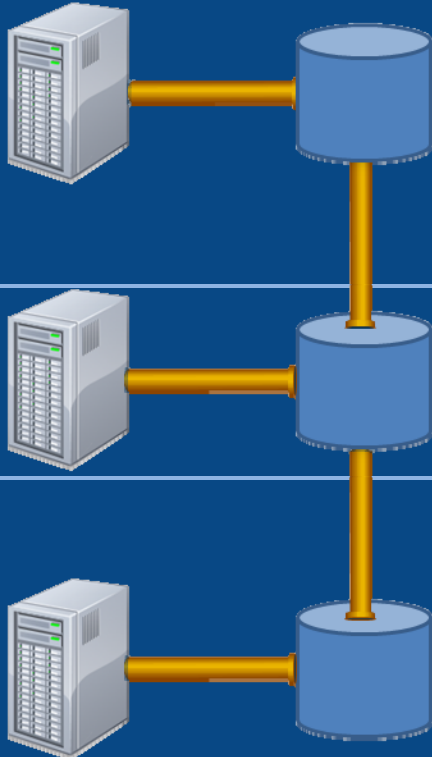




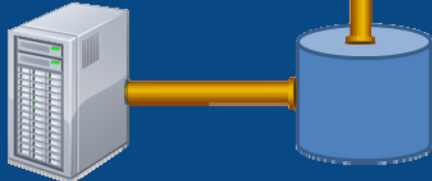


# Privacy and Security Protections in Orange County

**Alan Carlson, CEO**  
**Snorri Ogata, CTO**

# Information Sharing Context

## Users

## Systems

<b>Judge</b> 	Unlimited access. Read and Write.		<b>Court Network</b>
<b>Court User</b> 	Expansive access. Role based. Read and Write.		
<b>Justice Partner</b> 	Expansive access. Relationship based. Read only.		<b>Agency DMZ</b>
<b>"Party"</b> 	<i>No current solution</i>		
<b>Public</b> 	Restricted information access per CA Rule of Court. Read only		<b>Public DMZ</b>

# Business Problem #1 – Equal Access



- Private Defense Attorney Access
  - Detailed case information provided to justice community
  - CA Rules of Court restricts information sharing with the general public on Criminal matters
  - Need to ensure equal access to private attorneys as currently enjoyed by justice partners
- Proposed solution
  - Implement GFIPM “fine grained” security policy
  - Leverage CA AOC statewide Oracle Contract
  - Restrict access to cases in which the attorney is a party to the case



# Private Defense Attorney Access



**VISION Web**  
CRIMINAL AND TRAFFIC SYSTEM

Welcome Michael Guisti!  
Click on [User Preferences](#)  
to change User Settings

**Case Number: OR1025638**  
**OC Pay Number: 5328207**  
**Defendant: Carrera, Armando**

☐ Demographics...  
☐ Identifiers...  
☐ Names...  
☐ Vehicles...

**Case Status: Open - Civil Assessment**  
☒ Details...

**Case Stage:** Filed with court  
**Charging Document:** Citation  
**DA Case Number:** -

**Release Status:** Released on Own  
 Recognizance  
**Mandatory Appearance:** N  
**DR Number:** -

**Warrant:** N  
**Owner's Resp:** N  
**DMV Hold:** Y  
**Amendment #:** 0

[Case Info](#) | [Hearing Info](#) | [Release Info](#) | [Sentencing](#) | [Register of Actions](#) | [Other Cases Report](#)

[Print](#)

**SUPERIOR COURT OF THE STATE OF CALIFORNIA, COUNTY OF ORANGE**  
Other Cases Report

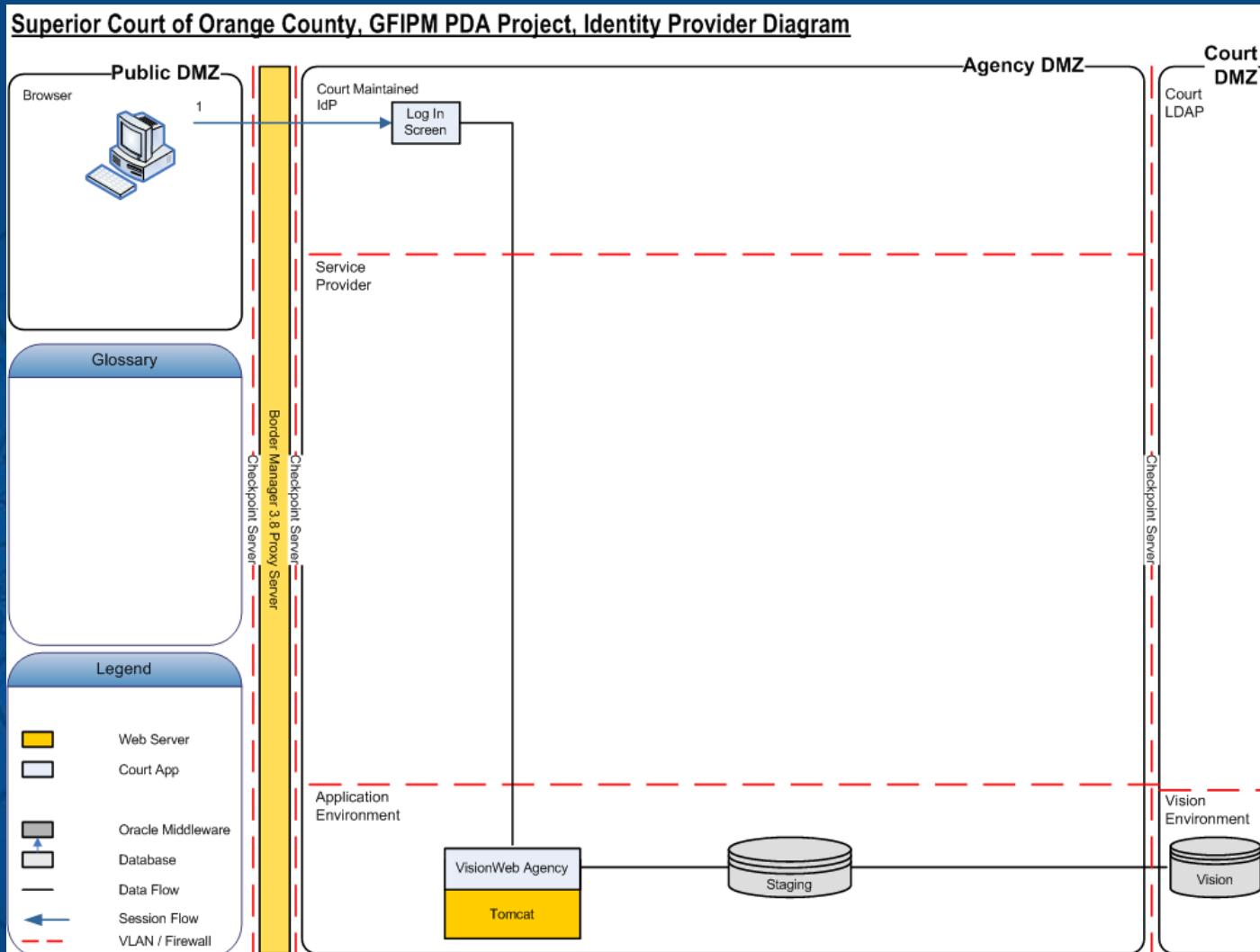
Defendant Name: Carrera, Armando null DOB:   
 DLII:

Case	Off Lvl	Juv. Ind.	Case Status	Date Filed	Violation	File Location	Collaborative Court	Court Room	Co-Def
SA68149PEA	I	A	Convicted	10/17/05	21453(c) VC				N
NBN12385	I	A	Closed	12/05/05	22350 VC				N
86129BH	I	A	Convicted - Civil Assessment	02/15/06	22450(a) VC				N
C63933	I	A	Convicted - Civil Assessment	02/20/06	22350 VC				N

http://cjc22:8080/Vision\_Web/Tutorial.do



# "Before"

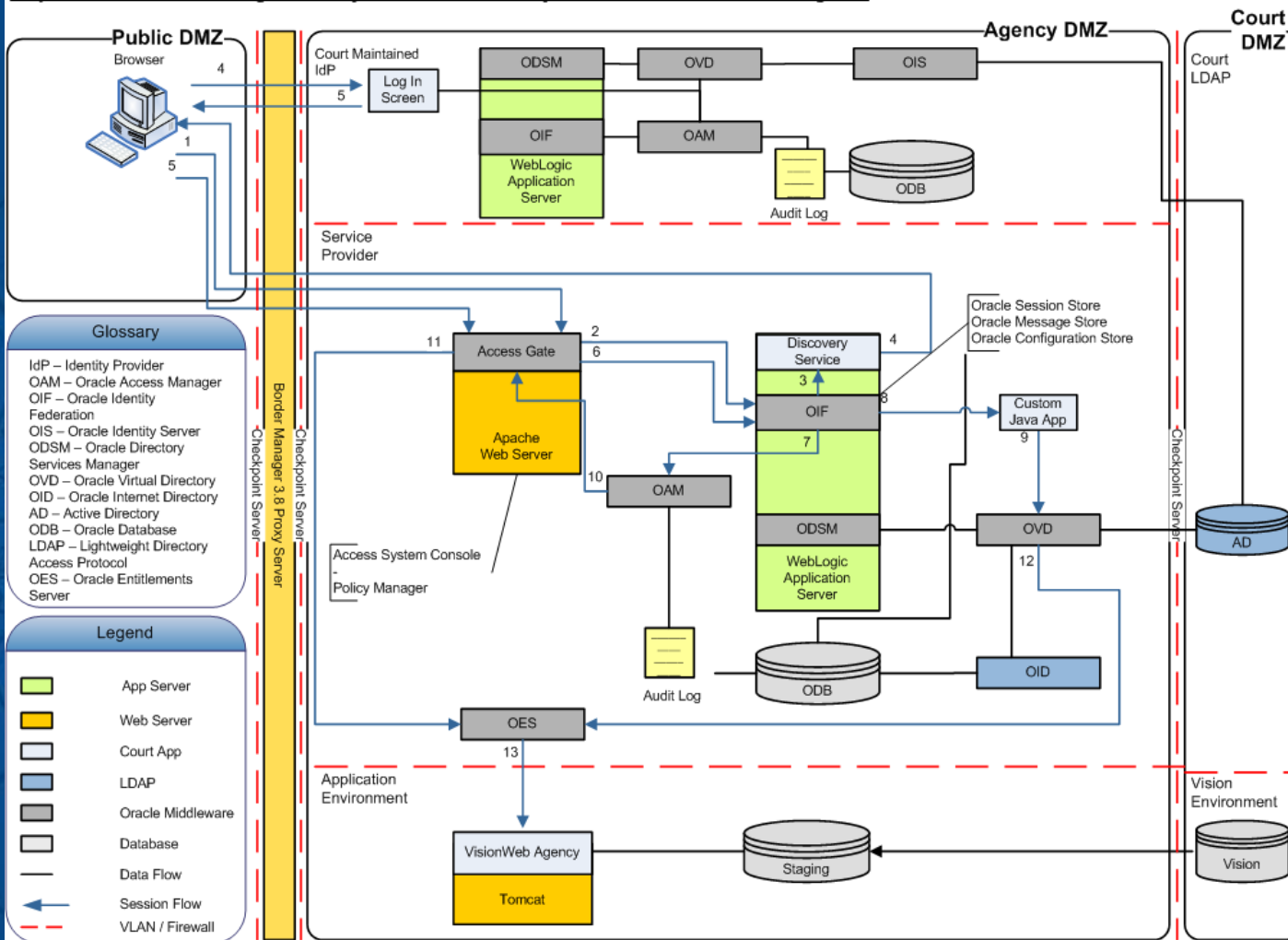




# "After"



Superior Court of Orange County, GFIPM PDA Project, Service Provider Diagram



# Architectural Approach – The Moving Parts

- Oracle Database 11g
  - Oracle Identity Management
    - Oracle Identity Federation
    - Oracle Access Manager
    - Oracle Identity Server
    - Oracle Internet Directory
    - Oracle Virtual Directory
    - Oracle HTTP Server
  - Oracle Entitlement Server
  - Oracle WebLogic Server
  - Oracle Web Gate
- Why Oracle?
    - Statewide license for CA Judicial Branch
    - Selected security platform for CA Statewide case management system (2011+)

## Business Problem #2 – Secure Data Exchanges



- Justice Partner Data Exchanges
  - Automated data exchanges between Court and District Attorney
  - Exchanges rely explicitly on network security
  - Need to ensure exchanged data files come directly from trusted systems
- Proposed solution
  - Leverage GFIPM infrastructure from Problem #1
  - Enhance existing web services to:
    - Perform authentication/authorization step
    - Create auditable authorization
    - Prepare for consolidation of environments




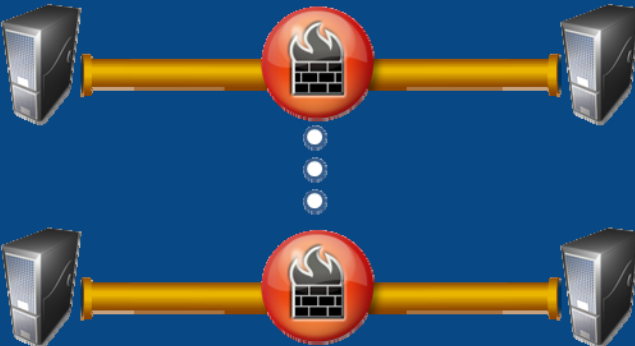


# "Before"



## Users

## Systems

County Partners	District Attorney Sheriff Public Defender Probation	 Straight VPN tunnel between DA network and Court network over point to point network.
Other ILJ Partners	City of Anaheim City of Santa Ana ...	

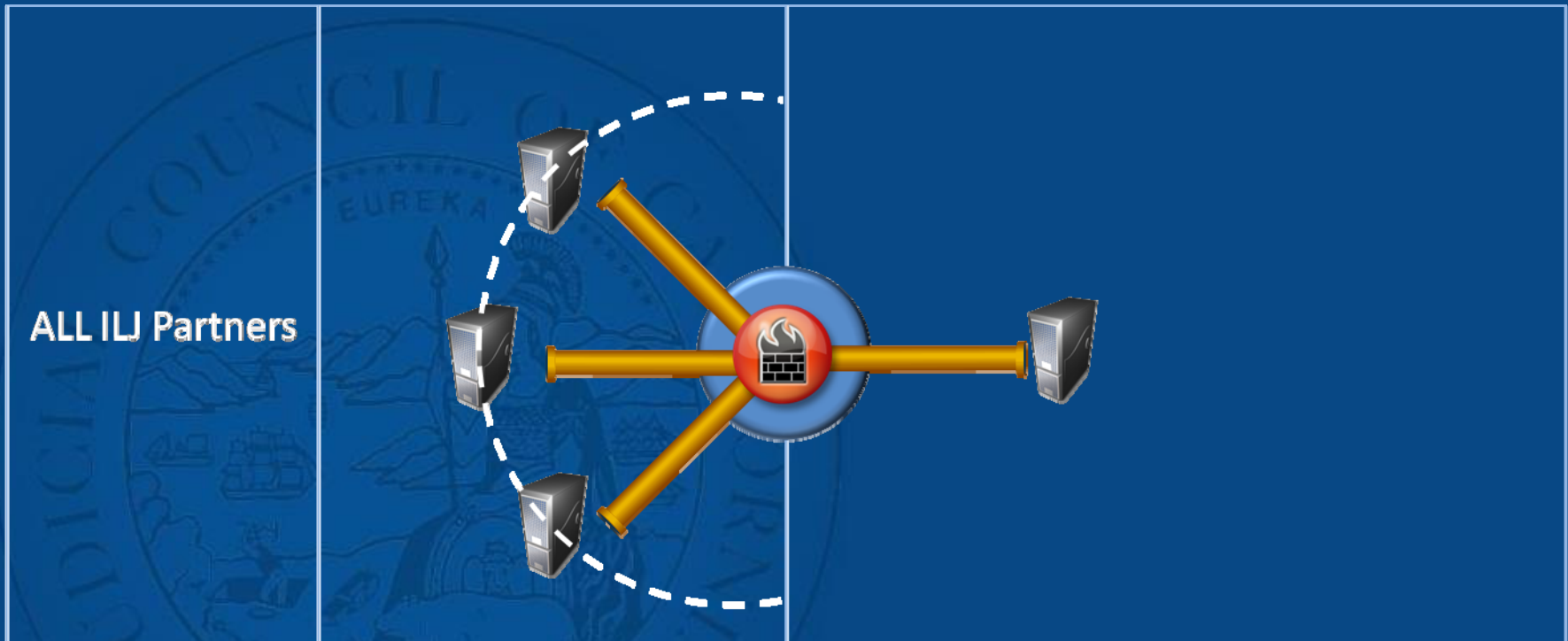
*Heavy reliance on physical network security.  
Complex and costly.*

# “After”



## Partners

## Court



*Physical security yields to “web services” and a  
“Federated Circle of Trust”*

# Lessons Learned to Date

- Oracle marketing is ahead of actual products
  - Mixture of 11g and 10g products
  - Acquired products are still buggy
  - Product “suite” is more of a “loose collection”
- The Oracle “community” is still pretty small
  - Not many integrators
  - Little support available
  - Training is spotty and uneven
- The “next guy” will have a much easier time...

