Connecticut Information Sharing System

Security 101

April 23, 2014

Agenda

- No one leaves here today without understanding how your agency data is secured within CISS
- Brief CISS Overview
- How Data is shared and secured
- So what is GFIPM really?
- CISS Security Implementation

What is CISS (in a nutshell)?

Search Tool

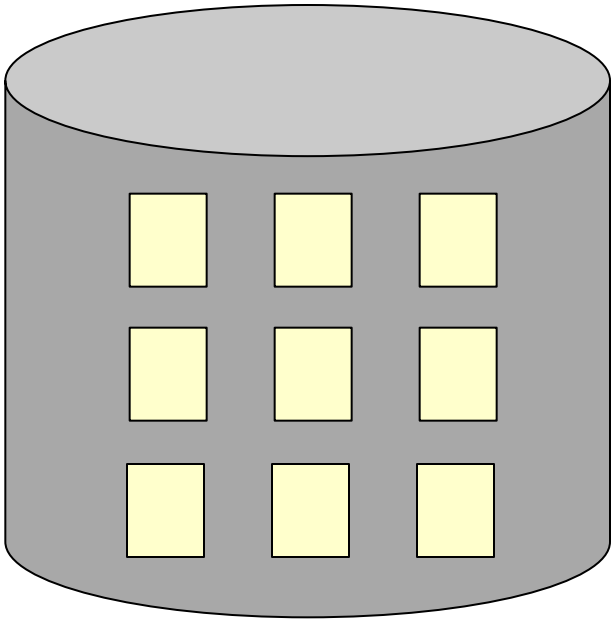
- Search and view data made available by participating agencies
- “Provides a secure Window into shared agency data”

Post Office

- Replaces Paper delivery with electronic delivery
- Send electronic paper to CISS, and CISS will distribute to destination agencies

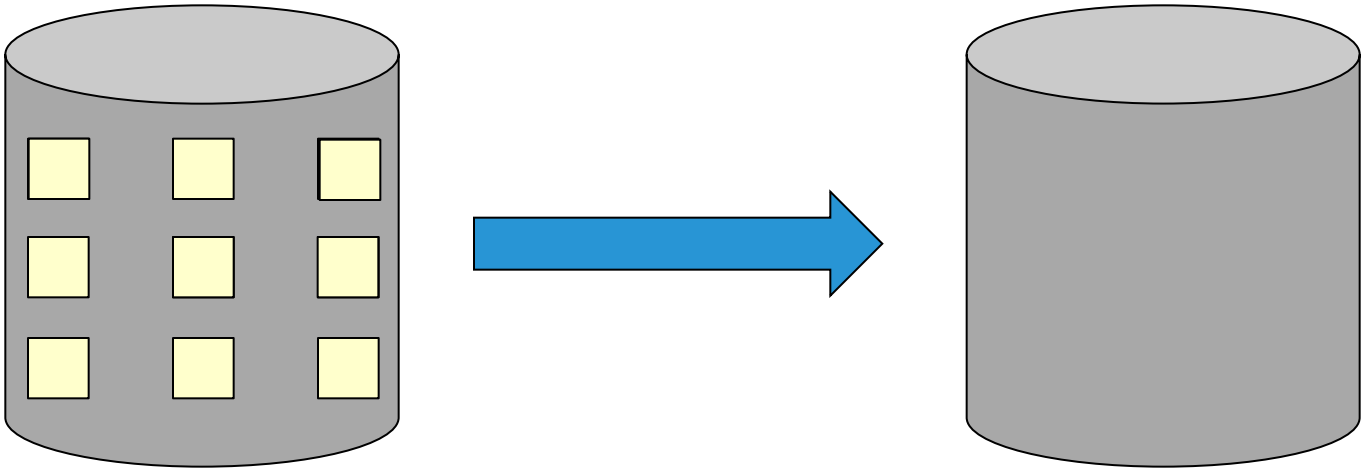
What Data Do I Have?

- Incidents
- Arrests
- Incarcerations
- Bookings
- Paroles
- Probations
- Etc.



What Data Do I want to Make Available through CISS?

Data owner (agency) controls what data is being shared.



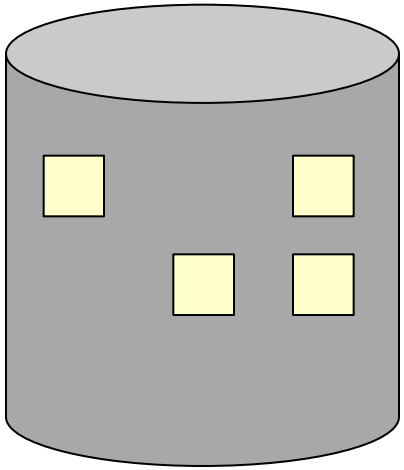
Agency Data **Shared with CISS**

Update the source…. Replica gets updated…. CISS gets updated

What type of data am I sharing?

- Public Data
- Government Data
- Criminal Justice Data
- Criminal Intelligence Data
- Criminal Investigative Data
- Criminal History Data
- Counter Terrorism Data
- Youthful Offender Data
- Agency Only Data

Identify what types of data you will be sharing



Shared with CISS

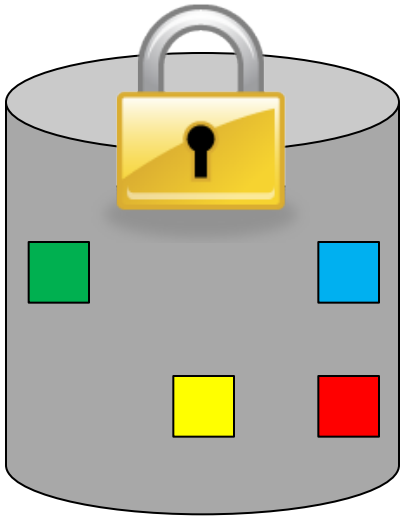
YOU identify Security Policies for YOUR Data

Policies, such as:

- Can be seen by everyone
- Can be seen only by those who are allowed to see Criminal History data.
- Can be seen only by Law Enforcement
- Can be seen only by persons with a certain clearance level
- Can be seen only by specific agencies
- Can be seen only by my agency
- Can be seen only by a specific person

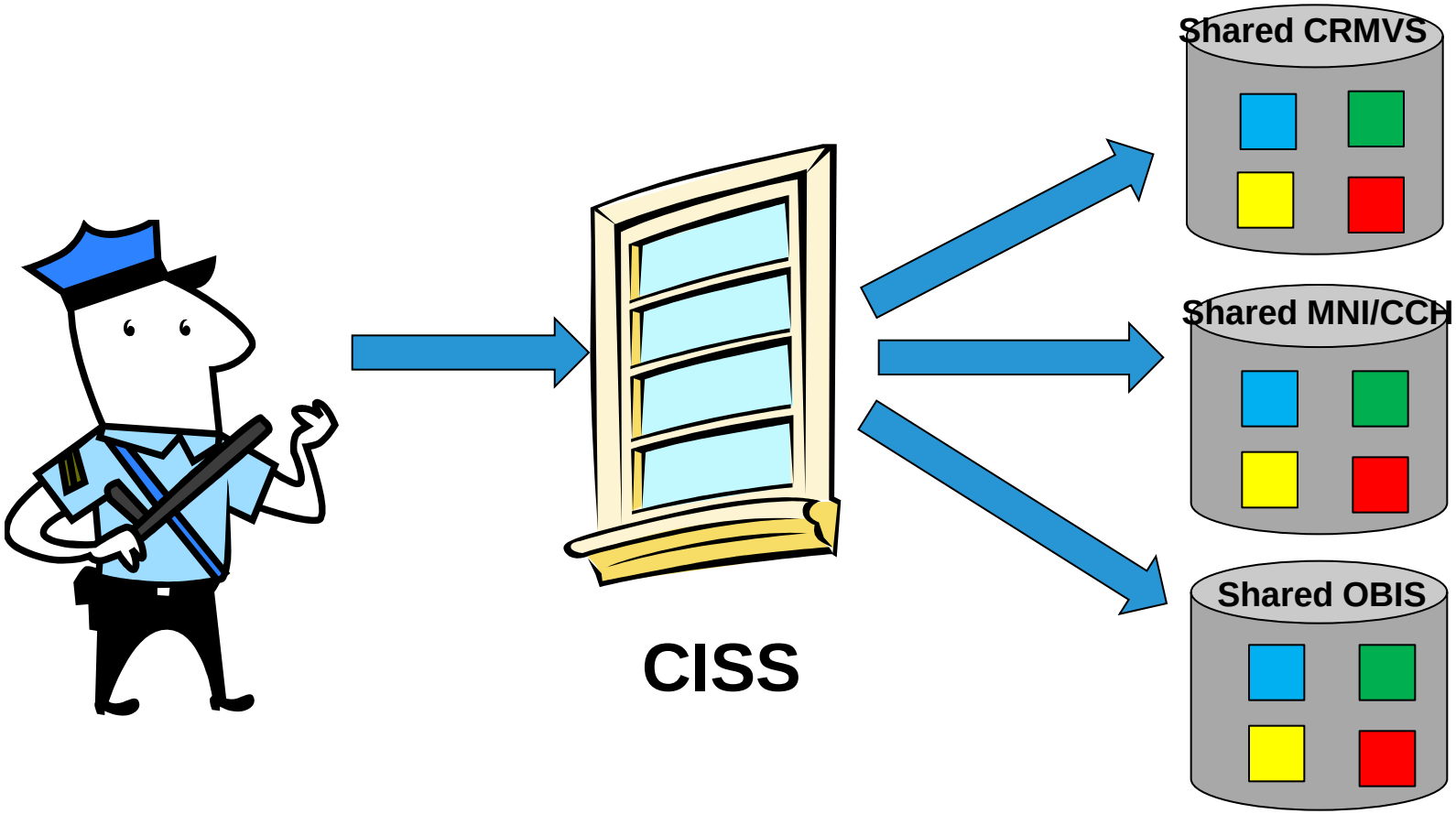
You Identify your policies,

CISS enforces your policies



Shared with CISS

What data will users be able to see when using CISS ???



Depends on the “Rights” given to you

An administrator from **YOUR** agency will provide information about **you**.

- Works for this agency
- Is a sworn officer
- Has a security clearance code of “top secret”
- Has NCIC Hot File privileges
- Has FBI III privileges

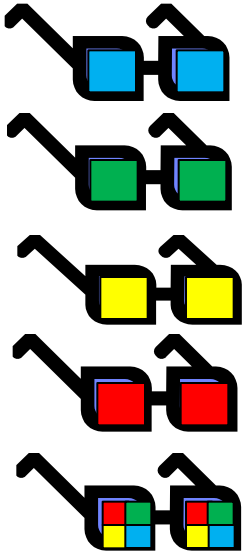
Plus, the type of information you are allowed to see “**at your agency**”:

- Public Data
- Government Data
- Criminal Justice Data
- Criminal Intelligence Data
- Criminal Investigative Data
- Criminal History Data
- Counter Terrorism Data
- Youthful Offender Data

Rights are calculated when you log in

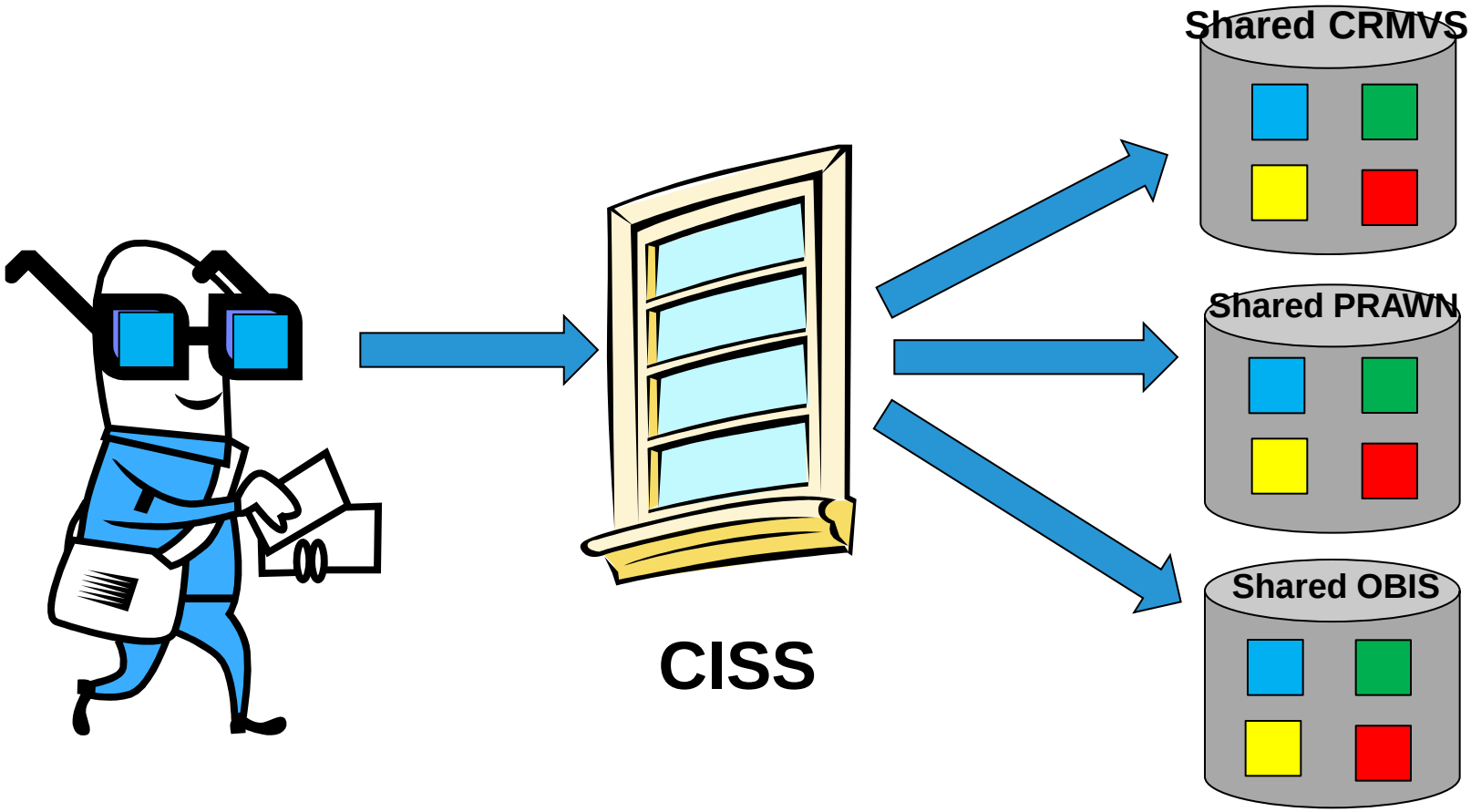
- Must have a user account
  - At CJIS, or
  - At your own agency if your agency is “trusted” by CISS
- Must have another form of Identification
  - Security Questions (CJIS)
  - User Certificate, RSA token, Etc. (Other agencies)

Your “Rights” are associated with your Identity, and control what you are allowed to “See”.



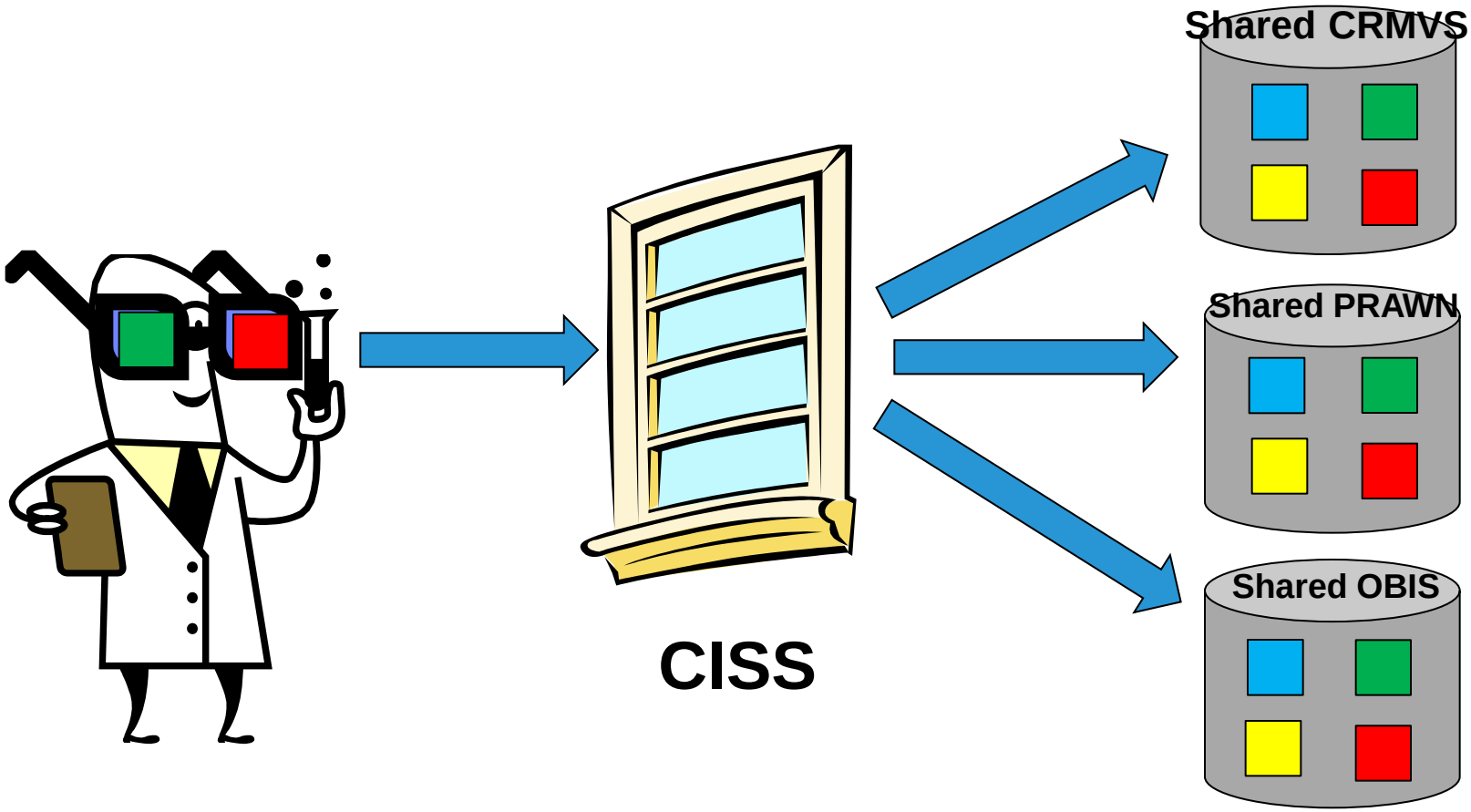
- Government Data
- Criminal Justice Data
- Criminal History Data
- Agency Restricted Data
- Sworn Law Enforcement related data

What John Q Public Sees



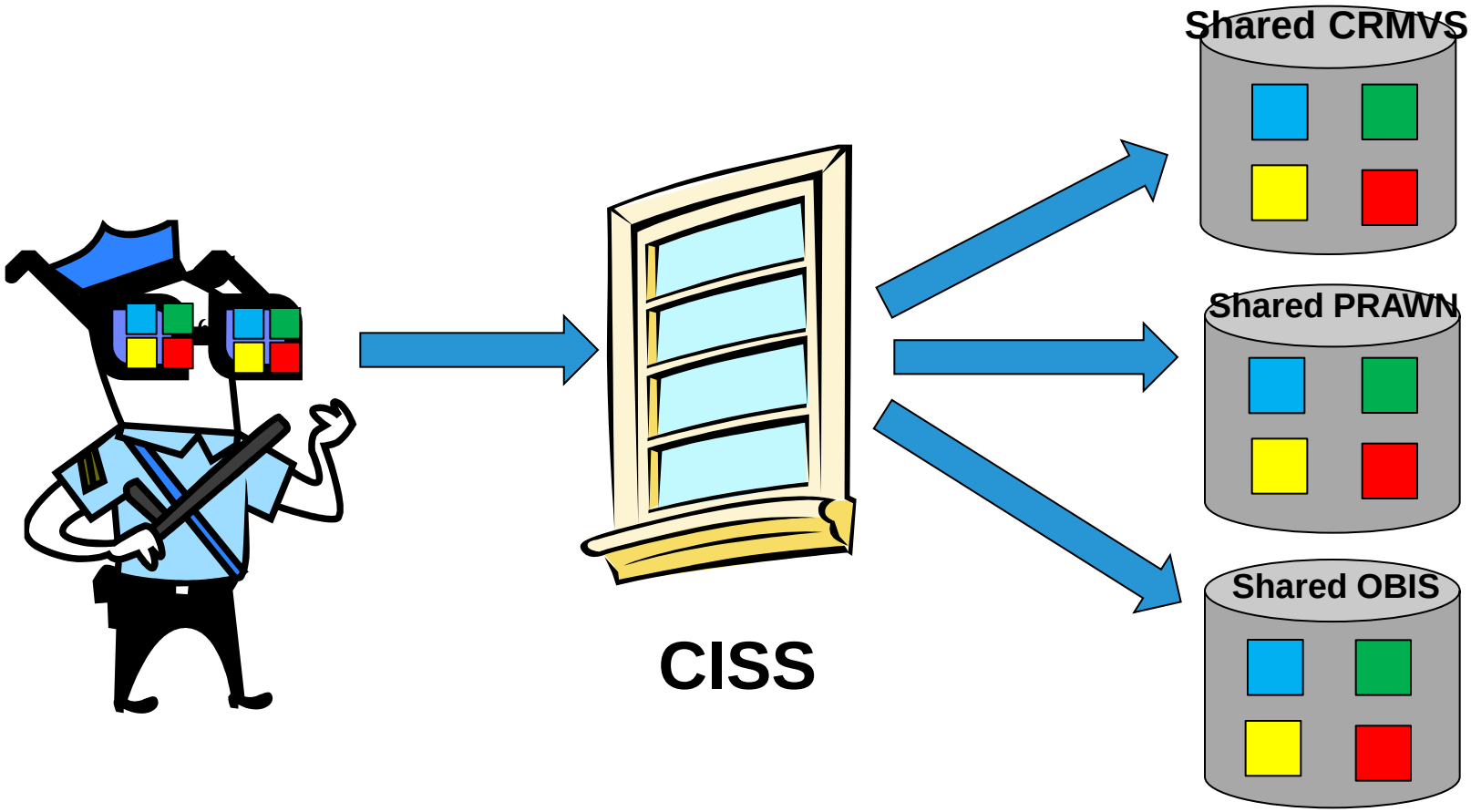
Just Public Data !

What a user at Judicial sees



What their rights allow!

What Officer Friendly sees



What their rights allow!

How is All of this Done???

CISS utilizes a federal standard for information sharing, known as:

GFIPM

GFIPM (Definition)

Global Federated Identity & Privilege Management:

A federal specification for implementing federated security for law enforcement and criminal justice organizations.

- **Global**: The federal standards body that created this specification. Global Justice Information Sharing Initiative (Global) is a federal advisory committee (FAC) of the U.S. DOJ that advises the U.S. Attorney General on justice sharing and integration initiatives.
- **Federated Identity**: A Unique Identity that represents a user across multiple trusted partners and boundaries
- **Privilege Management**: The management of the Rights a person has to See Information Based on their Work and Job Responsibilities

GFIPM Terms

Here are some terms you may have heard, or may hear, that need to be defined.

Claims – Statements of fact about a user. Used for authorizing access.

Security Token – Mechanism for distributing Claims.

Identity Provider – Logs you in and builds your security token.

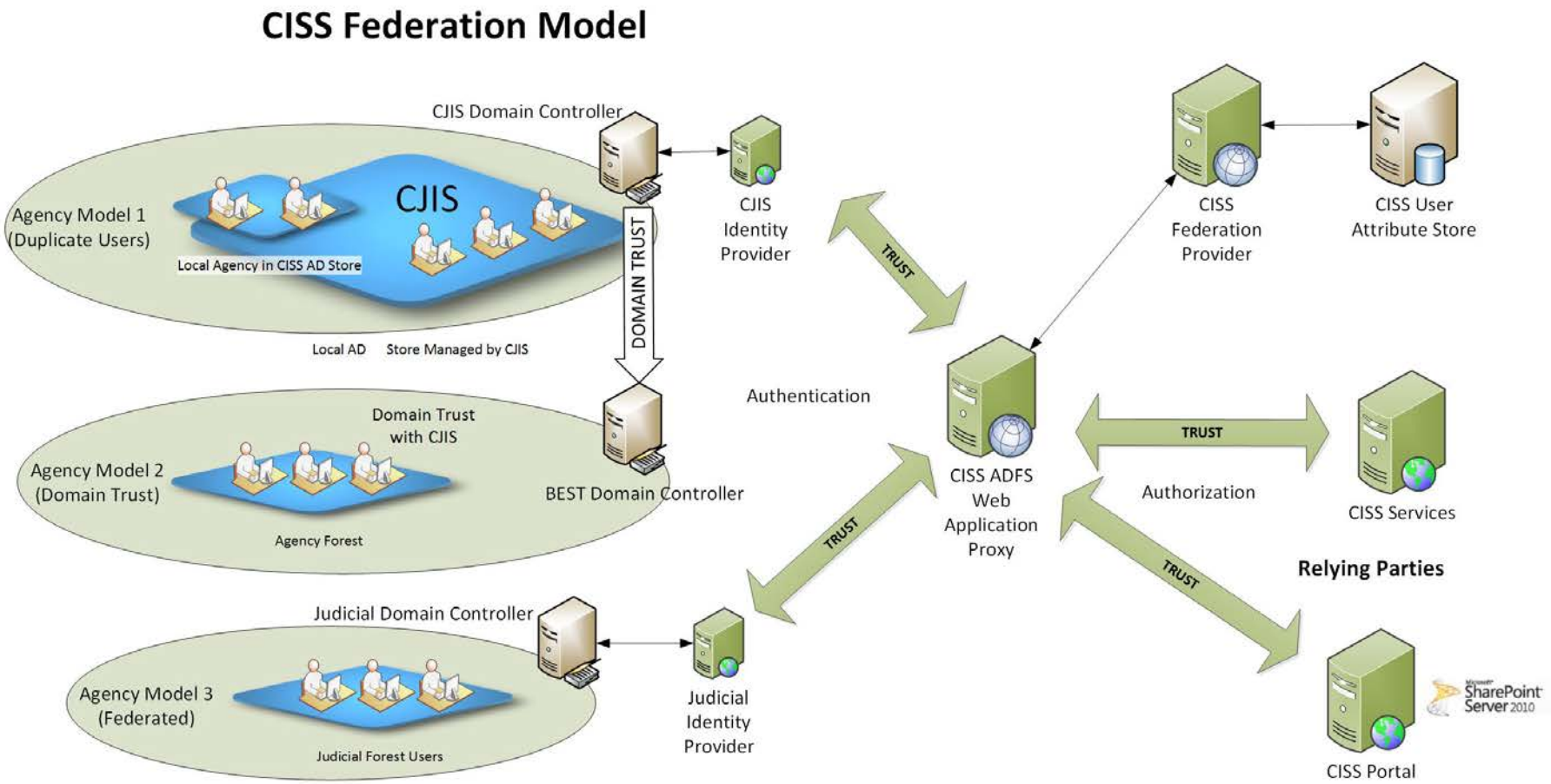
Federation Provider – Translates Identity Provider tokens into a federation token. Grants access to a Resource (a.k.a. Resource Provider)

Service Provider – (CISS) Provides a service and relies on Identity Provider to perform authentication. Makes access decisions based on claims in the federation security token

GFIPM Metadata – An XML vocabulary that defines the claim names

Federation – A collection of Identity Providers and Service Providers that trust each other.

Obligatory Technical Slide



Why is All of this Done?

1. To provide standards-based means of securely accessing data.
   - Following standards allows CISS to communicate with other organizations outside of the state if/when necessary.
2. To comply with the FBI CJIS Security Policy.
3. The CT CISS RFP requested these standards.

Multiple Choice Quiz

1) Who owns the data made available through CISS?
   A. Source Agency
   B. CISS
   C. CJIS
   D. FBI

Multiple Choice Quiz

2) Who decides what data is shared by an Agency?

A. Source Agency
B. CISS
C. CJIS
D. FBI

Multiple Choice Quiz

3) Who defines the rules to control what data is viewable in CISS?

A. Source Agency
B. CISS
C. CJIS
D. FBI

CISS enforces (applies) security policies provided by source agency

Multiple Choice Quiz

4) Who is to blame if an agency provides data to CISS that shouldn't be?

A. Source Agency
B. CISS
C. CJIS
D. FBI

CISS doesn't "have data", it provides a window on to Agency data.
PROTECT IT PROPERLY

Multiple Choice Quiz

5) What federated security standard is being used to secure CISS?

A. GFIPM
B. FICAM
C. SICAM
D. XACML

Multiple Choice Quiz

6) Information/Facts about a user are represented in?

A. Claims
B. Roles
C. Dictionary
D. Envelope

QUESTION?

Connecticut Information Sharing System

Security 101

April 23, 2014