

**Name:** Crime Analysis Unit ArcGIS Enterprise Implementation

**Completed:** April 2024

**Goal Alignment:**

**RESILIENT** - Deliver viable IT solutions that are dynamic, scalable, and maintainable.

**Summary:** To support the Police Chief's violent crime reduction strategy, the Sacramento Police Department acquired a new ArcGIS Enterprise license for the Crime Analysis Unit (CAU). ArcGIS Enterprise is a comprehensive GIS platform provided by ESRI that allows organizations to create, manage, share, and analyze geographic information and spatial data.

A key step in the implementation of ArcGIS Enterprise is the creation of the ArcSDE Geodatabase. Public Safety IT worked with ESRI to build a dedicated server and Microsoft SQL Server database to host the ArcSDE geodatabase. PSIT then created materialized views on the SQL Server database populated with crime and dispatch data from Versadex RMS. The materialized views are utilized in ArcGIS Pro by the Police Department's Crime Analysis Unit to create map projects to represent Versadex data.

**Benefits:**

- Allows CAU to perform spatial analysis to identify patterns and trends for the Police Department to allocate resources effectively.
- Allows for integration to other data sources relevant to crime analysis.
- Enables the creation of interactive maps, dashboards, and visualizations that enhance the presentation and sharing of information to stakeholders, other law enforcement agencies, and the public.
- Crime Analysts can develop predictive models to forecast crimes and generate reports and statistical summaries.