SEATTLE POLICE DEPARTMENT

DATA ANALYTICS PLATFORM

WITH YOU TODAY

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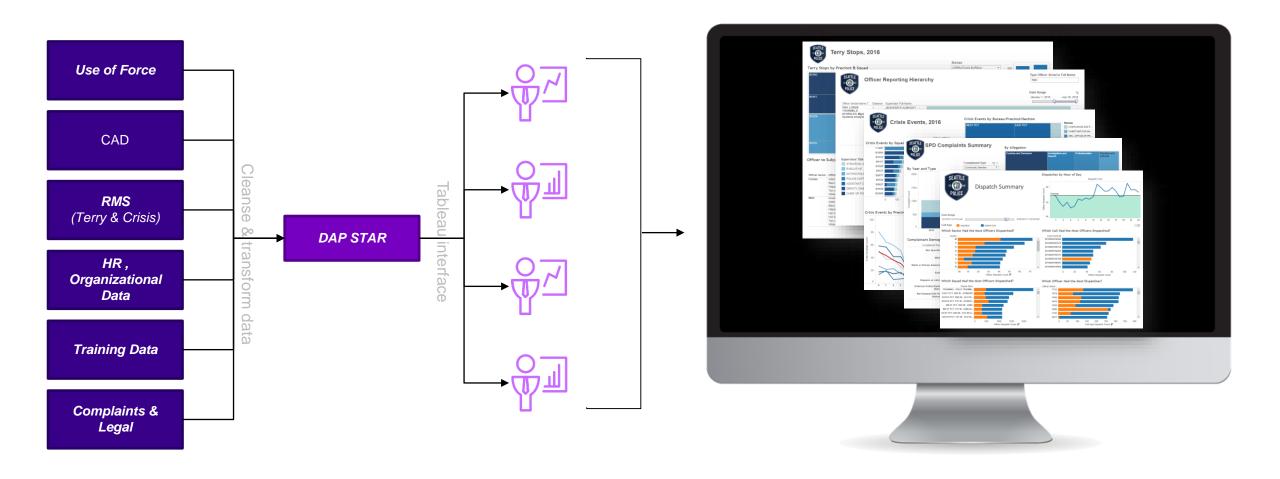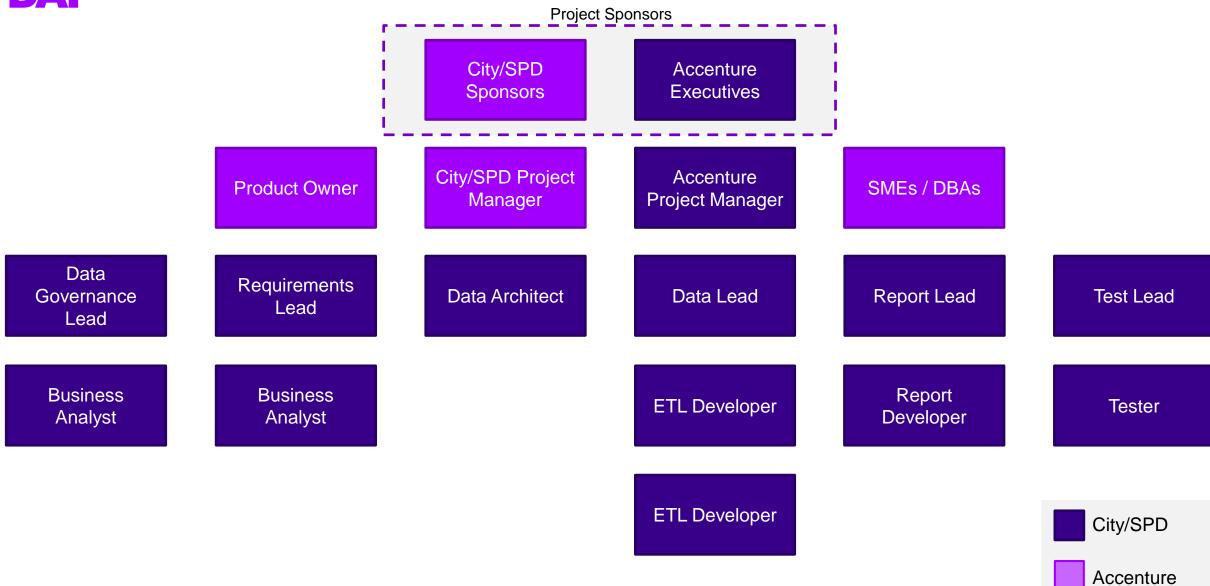**Sr. Analyst for Compliance**
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Seattle, WA

BACKGROUND

DATA ANALYTICS PLATFORM (DAP)
WHAT IS DAP?

TEAM STRUCTURE
DAP

Project Sponsors

| City/SPD Sponsors | Accenture Executives |

| Product Owner | City/SPD Project Manager | Accenture Project Manager | SMEs / DBAs |

| Data Governance Lead | Requirements Lead | Data Architect | Data Lead | Report Lead | Test Lead |

| Business Analyst | Business Analyst | | ETL Developer | Report Developer | Tester |

ETL Developer

Legend:
- City/SPD
- Accenture

DAP PROCESS FLOW

REQUIREMENTS
- Gather and analyze requirements.
- Document findings and pass to profiling
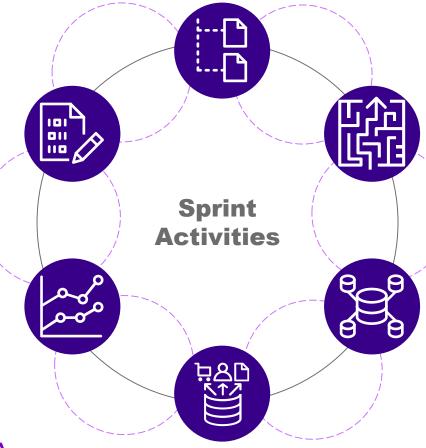
PROFILING
- Profile data needed to satisfy requirements and identify any gaps
- Update DPT / DTM

ARCHITECTURE
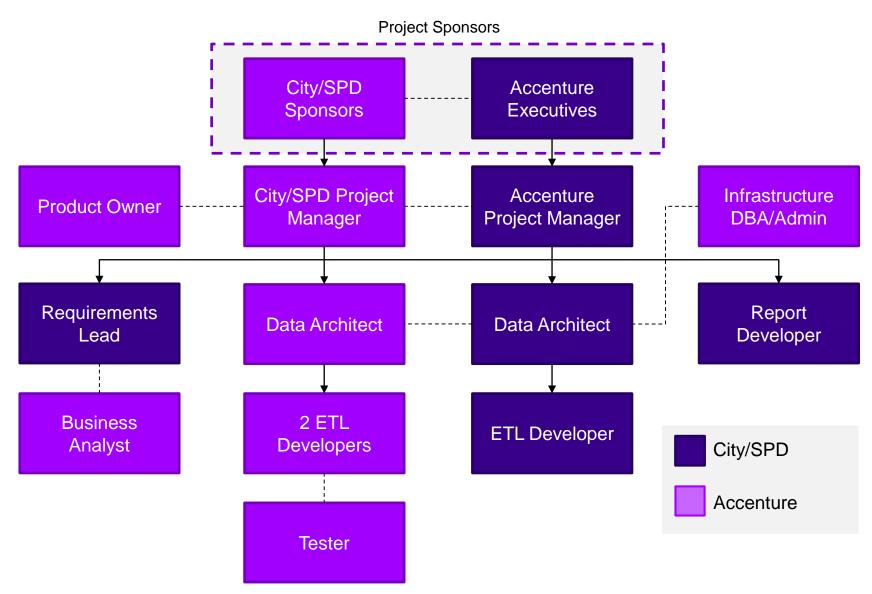- Based on requirements, and profiling create and present data model

DATA
- Bring data from source to target per data model specifications

REPORTING
- Create dimensions and measures in the visualization layer per DTM

TESTING
- Test functionality in front and back end
- Log defects

Sprint Activities

A NEW RECORDS SYSTEM COMES TO SPD

DAP 1.1
SAME PROCESS, NEW TEAM

PHASE 1.1
LIVE DEMO

WHAT DOES DAP DO TODAY?

Data Analytics Platform

Data Warehouse

- DAP integrates data from 9 unique sources across SPD

  - Caposit
  - Versonnel
  - IAPro
  - Coban
  - Mark 43
  - EV5
  - Cornerstone
  - Evidence.com
  - APEX

- DAP pulls in 90K records a day and contains 160MM total records

- Over 290K total data errors are logged in DAP

Business Layer

- 17 Tableau data sets support ad-hoc analysis in 10 functional areas

  - UoF
  - EIS
  - OPA
  - Arrests
  - Complaints
  - Crisis
  - Injuries/ Implements
  - Dispatches
  - Terry Stops
  - Training/Certs

- 19 reports are currently being consumed by ~400 end users at SPD. There are also 4 public facing reports.

- 138 high priority errors are currently identified and visible to the business for remediation

ENABLED CAPABILITIES

DOJ Compliance
SPD is supported in compliance with the rules and regulations set forth by the Department of Justice

Enhanced Insights
DAP enables analysis across the SPD organization providing deeper / broader insights

Data Driven Decisions
Data insights allow business stakeholders to make better, informed decisions

Improved Data Quality
DAP brings to light business critical data quality issues and facilitates timely remediation

WHAT IS NEXT FOR DAP?

QUESTIONS?