StatEngine: A Real-Time Open Source Data Analytics and Visualization Tool for PSOs

PROMINENT EDGE

Over ten years exepericence in public stafety 'on the job' and in technology

Principal on NFPA Technical Committees 950 and 951

Successfully architected and implemented FireCARES

Leverage best-of-breed open source tools

Using existing tools will reduce costs and save time

Open source technology will eliminate vendor lock-in and allow cost sharing

We'll create simple integrations and improvements

High-level automation and easy installation will be available to all Public Safety Organizations

kibana GitHub elasticsearch

We'll provide an open source website with help documentation

The site will house project-specific content so everyone can stay up-to-date

We'll also provide documentation like FAQs, training videos, and a forum

Now, the PSO community will have open source tools to utilize

Documentation will reduce complexity to foster growth

Our work will provide channels for cross jurisdictional communications and knowledge transfer

PUBLIC SAFETY ORGANIZATIONS

will receive all the reward

Effective widescale data analytics will increase public safety at reduced costs

Accelerating technology to improve first responder operations

All in one place on a

USER-FRIENDLY REAL-TIME ANALYTICS DASHBOARD

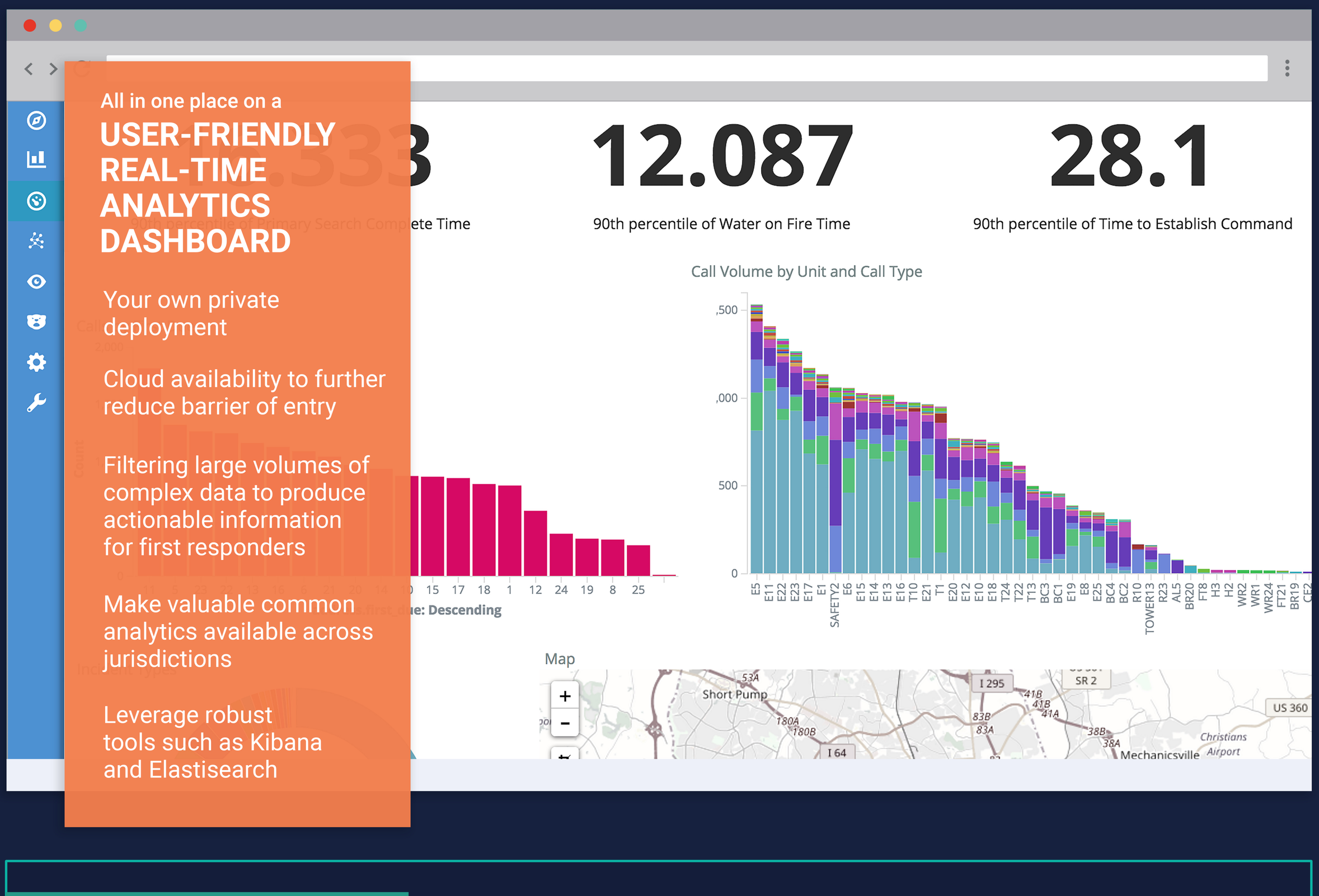
Your own private deployment

Cloud availability to further reduce barrier of entry

Filtering large volumes of complex data to produce actionable information for first responders

Make valuable common analytics available across jurisdictions

Leverage robust tools such as Kibana and Elastisearch



Additional Take Aways

- Enabling of robust, efficient, and real-time applications
- Top-tech companies, government, and military use the same type of open source tools
- Reusable library
- We have organization participation for better data and software testing
- Personal experience using and integrating with CAD systems
- Highly-Scalable