Brochure

Analytics & Big Data

Gain Greater Insight and Facilitate Actions

Micro Focus® Smart City Rapid Deploy Solution provides a path to safer cities.

MICRO FOCUS®

Safety Challenges of Large Cities

The United Nations predicts that the world's cities will need to accommodate an additional three billion residents by the middle of the century. Further, traditional security systems do not understand relationships between events nor can they react to events in real time. This is because these systems rely on recording and manual processing of videos and other data feeds—an approach that is costly, slow, and ultimately ineffective. Disparate data sources, information delivered in incompatible formats, lack of social media integration, and manual processing can mean that traditional approaches often miss or fail to identify emerging events and security threats.

The Smart City Solution is designed specifically for large metropolitan areas. With this on-ramp to the new era of Big Data in government agencies, you can revolutionize the way your organization harnesses, understands, and uses enormous amounts of valuable information that can directly impact citizen safety.

The Smart City Solution helps governments and law enforcement agencies identify and respond to safety issues or security threats by intelligently analyzing information across multiple video, audio, and text-based data sources to automatically flag threats and patterns of unusual activity. The solution identifies activities of interest and displays the anomalous to the appropriate individuals. With our Big Data government solution, alerts can be routed with accompanying recorded and live video and audio to multiple individuals with different levels of detail, and to a variety of devices to ensure the right information gets to the right people in a timely manner.

Smart City Rapid Deploy Solution

The Smart City Rapid Deploy Solution is a purpose-built, customizable Big Data for government agencies blueprint powered by Micro Focus core Big Data engines Vertica and IDOL, which can be quickly launched at a fraction of the cost of a traditional "built from scratch" solution. Our solution is a unique combination of our Rapid Deploy Application Template and Rapid Deploy Provisioning Services that enables you to leverage the value of rich media and open source data to provide a baseline for you to expand with additional data sources and use cases.

Solution Components

Smart City Rapid Deploy Application Template

Our proprietary Rapid Deploy Application Template provides the foundation to quickly and easily integrate your organization's data into an intuitive interface that provides unique insights. Included in the Smart City Rapid Deploy Application Template are predefined panels to get

you up and running in a matter of weeks vs. months of development time. This template includes five interactive dashboards that are valuable to your business.

Citizen Safety Dashboard

The Citizen Safety dashboard provides real-time alerting capabilities that allow for organizations and law enforcement to:

- Improve safety for pedestrians, cyclists, and motorists
- Gather statistical information for analysis and transport planning
- Enforce traffic laws and reduce violations
- React quickly to traffic accidents
- Optimize traffic flow
- Create a common operating picture
- Tackle system inefficiencies by creating a single integrated layer across all data silos
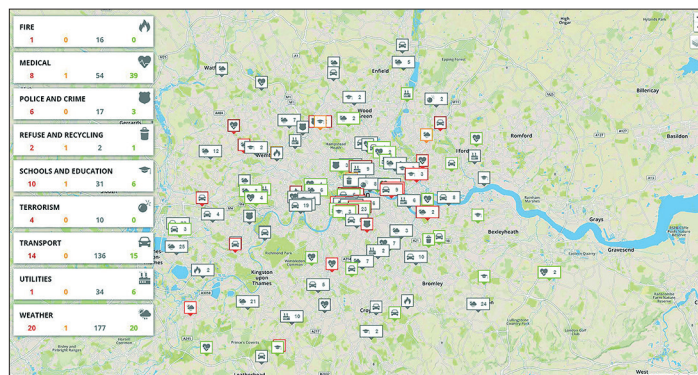

Figure 1. Citizen Safety dashboard

Open Source Intelligence (OSINT) Media Monitoring Dashboard

The ever-shifting nature of our intelligence needs compels intelligence agencies to quickly and easily understand a wide range of foreign countries and cultures. Today's threats are rapidly changing and geographically diffuse. It is a fact of life that an intelligence analyst may be forced to shift rapidly from one topic to the next. Increasingly, Intelligence Community professionals need to quickly assimilate social, economic, and cultural information about a country—information often detailed in open sources.

The OSINT Media Monitoring dashboard allows your analysts to:

- Produce intelligence from publicly available information that is collected, exploited, and disseminated in a timely manner to an

appropriate audience for the purpose of addressing a specific intelligence requirement.

- Not only monitor newspapers, magazines, radio, television, blogs, wikis, and social media for trending but, more importantly, identify when there is an anomaly or deviation from the norm.
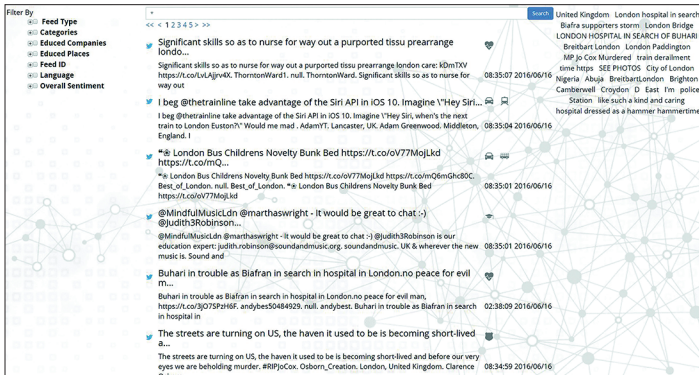

Figure 2. OSINT Media Monitoring dashboard

Event Management Dashboard

Crisis events are unpredictable but they must not be unexpected. With the Micro Focus Event Management dashboard, you are able to:

- Monitor citizen's safety in crowded areas (conferences, concerts, sporting events, political summits)
- Identify and receive notifications of abandoned objects
- Employ intelligent scene detection
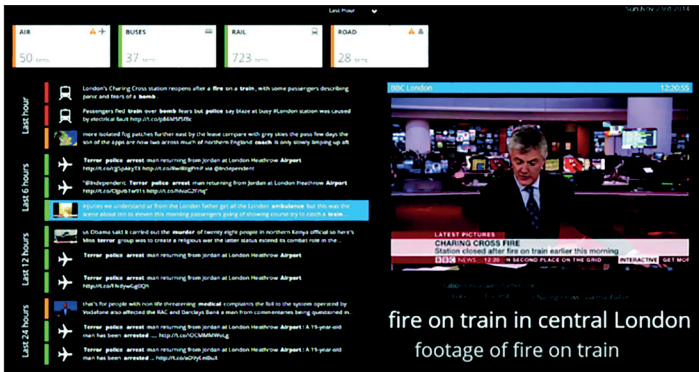- Identify and receive notifications when crowds and traffic congestion reach above-normal thresholds

Figure 3. Event Management dashboard

Smart Transportation Surveillance Dashboard

Smart utility vehicles monitored with this dashboard can help your city save on fuel costs and maintenance expenses by helping you:

- Efficiently deliver products
- Provide safe routes for drivers
- Monitor delivery routes
- Receive route incident trending information
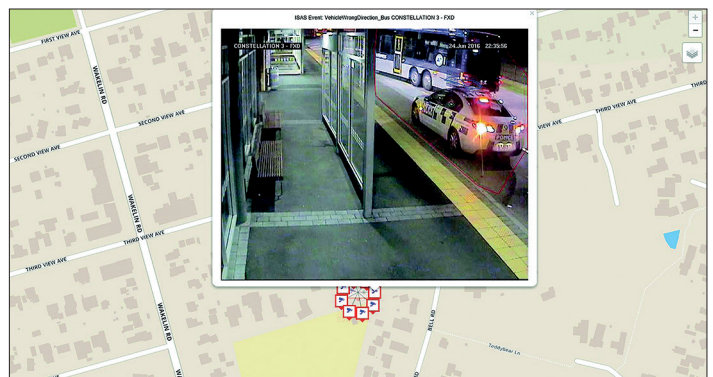- Prevent accidents due to improper use of equipment

Figure 4. Smart Transportation Surveillance dashboard

The Smart City Rapid Deploy Solution relies on many unique Micro Focus Big Data Professional Services assets and Big Data in government capabilities to accelerate deployment and integration including:

- Proven and scalable architecture and design for the underlying platform deployment
- Reference platform configurations for connecting to variety of data sources
- Prebuilt reference queries to create various visualizations
- Deep technical and subject matter expertise on all aspects of the solution
- Personalized solution support and managed services

Smart City Rapid Deploy Provisioning

Every municipality has unique needs and requirements for insights that articulate the safety of its citizens. Relevant and impactful data lives in so many locations that it is nearly impossible to identify all of them and determine how to analyze this in a holistic manner. Having a seamless view across all your information helps you manage better, collaborate more effectively, and take action faster.

Smart City Rapid Deploy Provisioning is built on proven methodology to provide a scalable architecture and design for the underlying platform deployment. Our experts provide the knowledge and skills you need to eliminate false starts in your Smart City project and get it right the first time.

Methodology

Assess and align: Micro Focus consultants help you to identify key metrics that truly impact your citizens' wellbeing and the data sources that contribute to these. We create an effective project plan based on blueprints and best practices.

Map and integrate: Our experts do the heavy lifting by normalizing and mapping your data into the Smart City Solution to integrate your data sources and create new insights.

Configure and connect: We configure your unique end-user environment to meet the organizational needs identified in the assessment phase. We leverage our prebuilt reference queries to create various visualizations that are the most meaningful to you and connect the reference platform configuration to your chosen data sources.

Test and deploy: Before go-live, we verify that your solution is up and running properly. After a series of user acceptance tests, the solution is ready for production. Micro Focus consultants will provide comprehensive documentation and hand-off. User training is conducted at your facility or remotely. Knowledge transfer is completed so that your team fully understands the implementation.

Assess → Align → Map and Integrate → Configure and Connect → Test → Deploy

Solution Benefits

- Accelerate time to value: Rely on established Micro Focus best practices to eliminate a lengthy design process, and tap into our experts to quickly identify your data and establish capabilities allowing you to gain benefit early.
- Eliminate false starts: Do it right the first time. The Micro Focus Smart City Rapid Deploy Solution is based on proven blueprints

coupled with Micro Focus expertise to enable your project's success.
- Get tailored insights for your organization: Upfront planning and discussion help provide that your end results reflect the specific customer metrics that add value to your organization.

Regardless of industry, our experts can help you determine what to track and how to deliver the data you need to be effective.

Expanding Beyond the Rapid Deploy Foundation

Unlocking More Insights Through Additional Use Cases
So much value lies in your data that the possibilities are endless. Once the Rapid Deploy Foundation is in place, we can help you integrate all of your data, regardless of format and location, into one place to gain richer insights such as:

- Facial recognition
- Intelligent scene detection
- Airport perimeter monitoring
- Crowd safety
- License plate and vehicle recognition
- Text and social media analytics

The Micro Focus Professional Services Difference
We make the possibilities of data tangible for your organization today. Whether it's finding the crucial insight or creating a foundation for growth, Micro Focus Big Data Professional Services can help you to bridge the gap to becoming a data-driven organization.

- Proven track record of thousands of successful solution deployments globally
- Rich intellectual property and unparalleled product expertise
- Flexible services to meet the needs of any customer
- Education and support services to support ease of adoption

Contact your Micro Focus representative or email Micro Focus Big Data Professional Services at bigdatainfo@microfocus.com.

Learn More At
www.microfocus.com/bigdataservices

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