LAPD
VoyagerAnalytics Trial Highlights

Prepared for: LAPD
Date: 9/18/2019
LAPD Usage Stats & Feedback
LAPD Pilot Usage Statistics

- Logins across 16 users (Training through Sept 13th): 391
- Total Queries: 630 (Created: 584, Updated: 46)
- Profile Queries: 517 (Created: 488, Updated: 29)
- Topic Queries: 93 (Created: 76, Updated: 17)
- Warrants uploaded and analyzed: 87
- Views of warrant messages: 2,422
- Approximate number of warrant messages parsed and ready for quick analysis in the system: 12,876

1 Based on average number of warrant messages
## Weekly Queries by User Sample

<table>
<thead>
<tr>
<th>USER</th>
<th>User 1</th>
<th>User 2</th>
<th>User 3</th>
<th>User 4</th>
<th>Total Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1 (July 10-20)</td>
<td>11</td>
<td>2</td>
<td>2</td>
<td>7</td>
<td>22</td>
</tr>
<tr>
<td>Week 2 (July 21-27)</td>
<td>51</td>
<td>4</td>
<td>1</td>
<td>16</td>
<td>72</td>
</tr>
<tr>
<td>Week 3 (July 28-Aug 3)</td>
<td>82</td>
<td>1</td>
<td>1</td>
<td>8</td>
<td>92</td>
</tr>
<tr>
<td>Week 4 (Aug 4-10)</td>
<td>53</td>
<td>2</td>
<td></td>
<td>2</td>
<td>55</td>
</tr>
<tr>
<td>Week 5 (Aug 11-17)</td>
<td>43</td>
<td>2</td>
<td>12</td>
<td>8</td>
<td>65</td>
</tr>
<tr>
<td>Week 6 (Aug 18-24)</td>
<td>62</td>
<td>22</td>
<td></td>
<td></td>
<td>84</td>
</tr>
<tr>
<td>Week 7 (Aug 25-31)</td>
<td>53</td>
<td></td>
<td></td>
<td>5</td>
<td>58</td>
</tr>
<tr>
<td>Week 8 (Sept 1-7)</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Week 9 (Sept 8-13)</td>
<td>15</td>
<td>1</td>
<td>2</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>372</td>
<td>10</td>
<td>41</td>
<td>48</td>
<td>471</td>
</tr>
</tbody>
</table>
“Voyager dramatically reduces the time it takes to analyze all of this data and extract actionable/pertinent information.”

“The most significant benefit to utilizing Voyager during this period was time/cost savings in contrast to performing the same work manually.”

“Able to identify a few new targets in a much easier to read format” and “able to process warrants returns much faster which were much easier to read”

“Saved time with a 10,000+ page warrant return”

“Voyager helps investigative support staff quickly produce analytic products for decision makers and case presentations.”
Use Cases
Examples of Use Cases Provided by Users

- LAPD officer down/murder investigation
- Gang murder series
- Protective intelligence for County, City, & Department VIPs
- Real-time tactical intelligence on Rampart 187
- Murders and other South Bureau violent crime series
- Hate group topics
- Homicide involving active shooter
- Gang officer down investigation
Future Capabilities
Feedback

- **Demonstrated Value (mid-pilot)**
  - **Time / Cost Savings**
  - **Significant new insights** (i.e. “Examination of criminal networks at scale”)
  - **Presentation** to Command; Collaboration with colleagues & prosecutors

- **Opportunity for Increased Value**
  - **Profile Finder** - Comprehensive plan for a short-term delivery (internal development and 3rd party integrations)
  - **Topic Query** - Roadmap: Expanded capabilities for real-time events, advanced AI analytics for results filtering

- **Requests**
  - Ability to Upload Previous Facebook Warrants/IG Warrants - delivered
  - Active Persona – supported for Facebook, Instagram, Telegram
  - Batch Upload – supported

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Voyager Labs
VoyagerAnalytics 2019-20 Timeline

- V5.5
- Investigation Framework
- New Sources / Collection
- Profile Finder
- Identity Merger
- Image Processing
- AI Analytics
- V5.6
- V6.0
- V6.1
- V6.2
Voyager Analytics 2019-2020 Timeline

- Enhanced Profile Reporting
- Instagram Warrant**
- Profile Finder Conversion Improvements
- Profile Finder results for Telegram and TrueCaller
- Profile Finder for Instagram based on name & photo
- Group Creation Improvements

- Identity Merger – unified analysis of individual’s multiple profiles
- Temporal Activity Analysis
- Inferred Geo-Location Analysis
- Object Recognition
- AI based Semantic Search in Posts
- Generic collector from Open Web

Oct 19 V5.5 Dec 19 V5.6 Mar 20 V6.0 Jun 20 V6.1

- Enhanced & Personalized Queries UI
- Dark Web Search
- SinaWeibo Profile Analysis
- Scheduled Batch Upload
- Profile Finder: VK, Conversion Improvements, Additional data on target
- Comprehensive Topic for real-time events

- Case Management
- Identity Merger – automatic identification
- AI-based Documents Analysis
- Identification by photo of targets
- Instagram Private Profile Collection

** Development accelerated to meet customer need during pilot
Confirmation of LAPD Feedback & Voyager Value Provided

- Identification of new targets and investigations to known networks
- Network Preservation
- Collaboration and Expansion of Evidence for each case
- Anonymous Collections and analytic environment for research
- Fast-tracking warrant process and cutting down time
“Social Media is the new 21st Century Crime Scene”

~NYPD Commissioner James P. O’Neill ‘19