Service

Title:

Movement Analysis

Summary:

The movement analysis service presents a real time picture about movement of individuals or groups.

Description:

The movement analysis service is used to depict derived information about the movement of individuals or group. The information in this service is the result of real-time analysis of patterns of movement. This information can be used to visualize and understand the patterns of activity or be used to alert for activity around monitored locations.

This service includes several key layers which are used to normalize complex movement data and prepare it for visualization or analysis. This include:

* Stay Locations – Point and Polygon layers which represent any location where a monitored individual spends any amount of time.
* Pattern Locations – Areas created based on frequently used stay locations. These can be derived from statistical methods or just observed activity.
* Suspicious Locations – Areas which have been defined based on the knowledge of the individual or group and include areas where they are likely to frequent. Examples of suspicious locations include:
  + Meeting Locations
  + Suspect Home and Workflow Locations
  + Public Venues that a suspect is known to frequent

Access and Use:

The information presented in this template or demonstration is based on standard Esri Commercial off-the-Shelf (COTS) technologies and commercial data. All scenario data is notional.

Tags: Movement, Patterns, POL, Lifestyle, Stay Location, Crossing Point, Transits, Suspicious, Meeting, Suspect, Monitoring

Dashboard

Title:

Movement Analysis Dashboard

Summary:

The movement analysis dashboard helps to understand the real time picture for movement of individuals or groups.

Description:

The movement analysis service is dashboard is used to depict derived information about the movement of individuals or group. The information in this dashboard is the result of real-time analysis of patterns of movement. The information is automatically categorized and summarized based on several key indicators:

* Frequency of visitation to Monitored and Suspicious Locations
* Number of visits to pattern locations
* Alerts for Monitored Locations
* Running list for Unknown Locations to identify new patterns.

Access and Use:

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Tags: Movement, Patterns, POL, Lifestyle, Stay Location, Crossing Point, Transits, Suspicious, Meeting, Suspect, Monitoring