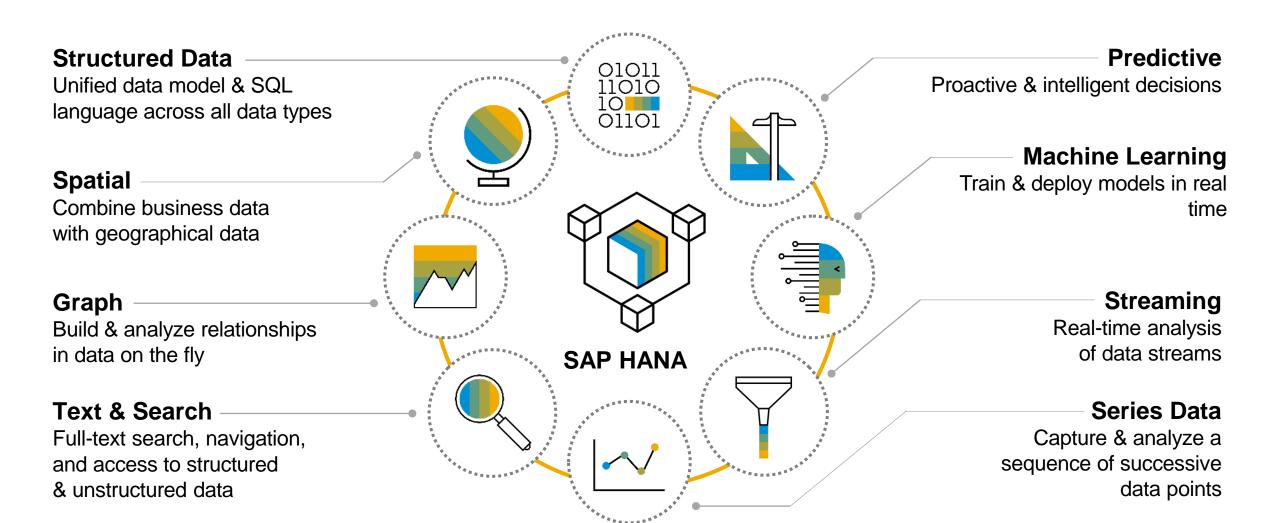


Marina Compass Visualizing HANA Graph and Spatial

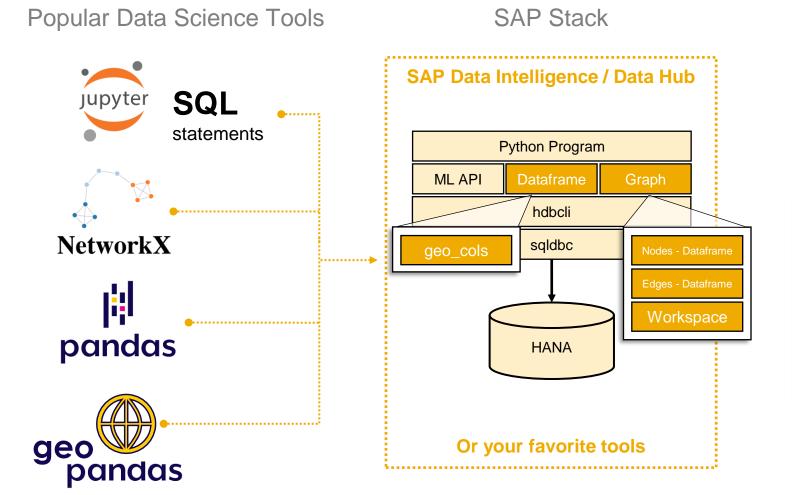
Lynn Scheinman Industry Business Unit Defense & Public Security, SAP February 04, 2022 CUSTOMER



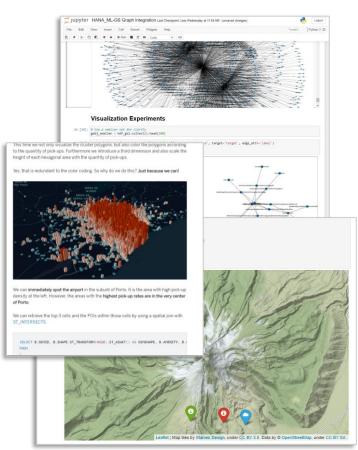
Build intelligent applications with advanced analytical processing



What is HANA ML | High Level Architecture

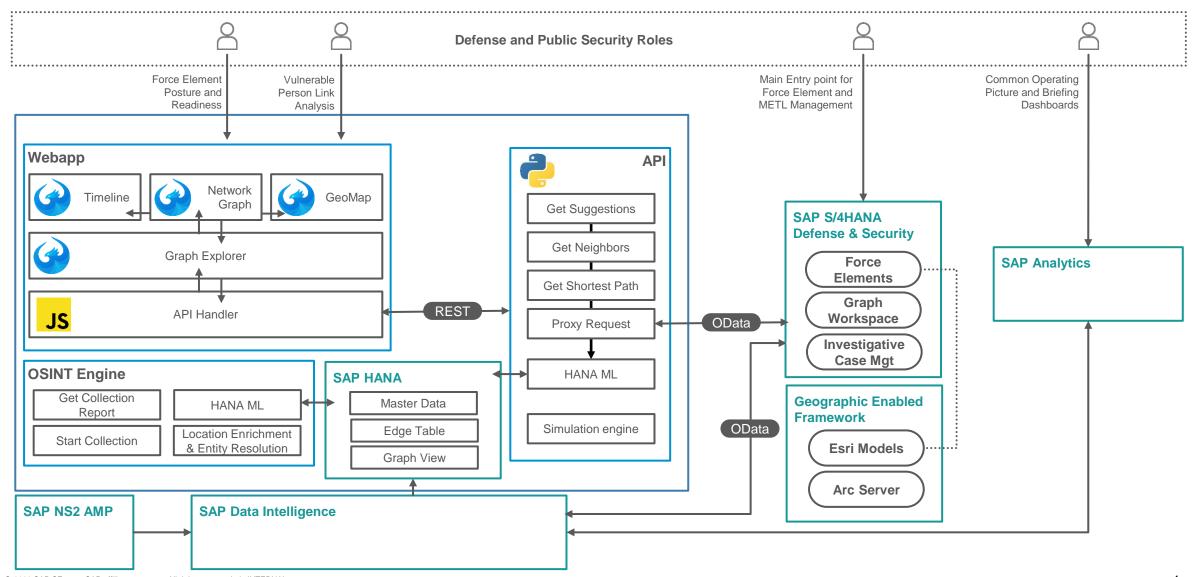


Visualization Objects

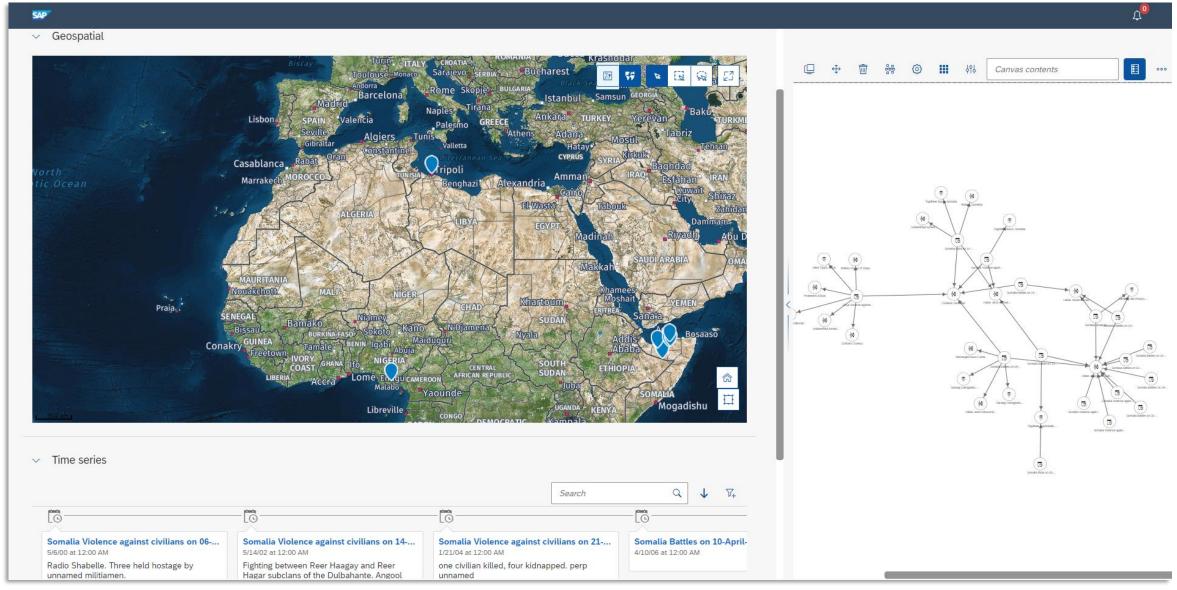


Pandas columns are to numpy as GeoPandas columns are shapely

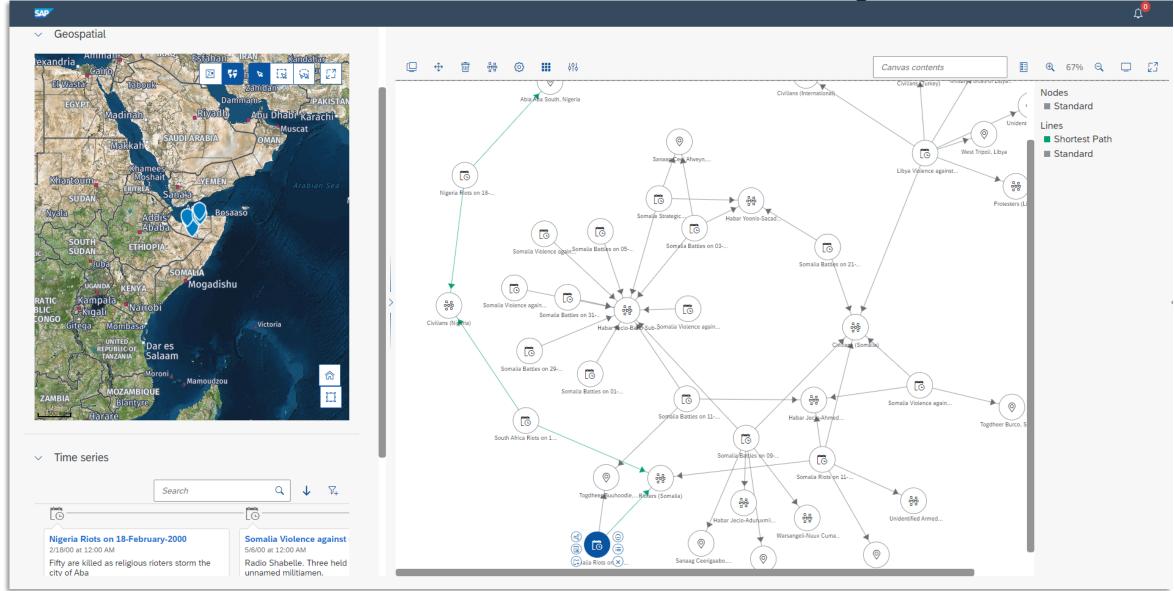
Marina Compass Architecture



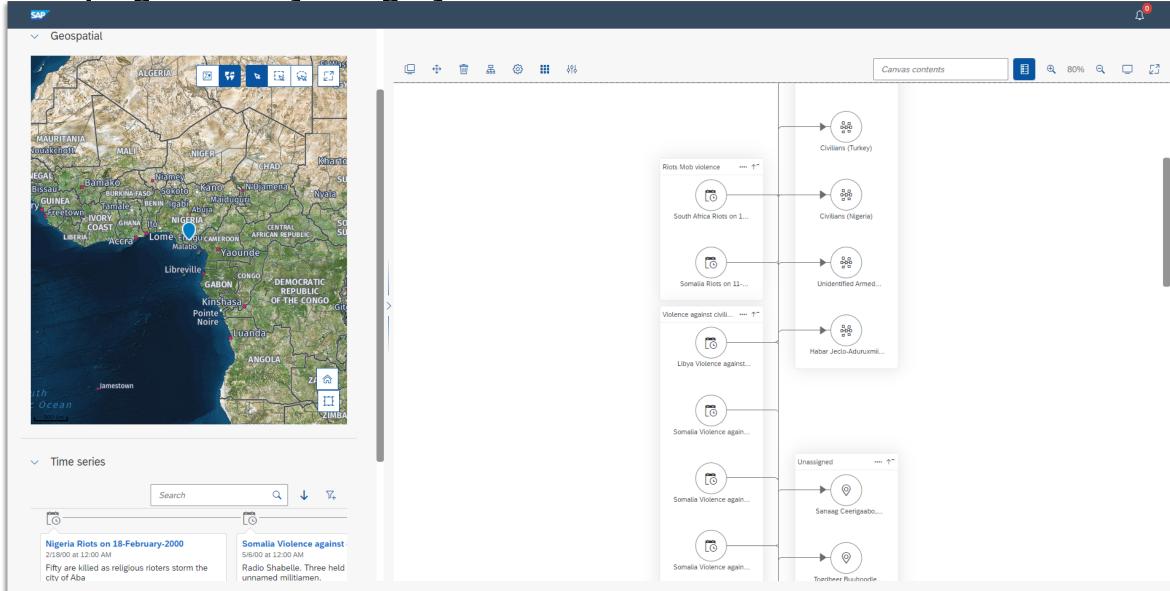
Analyzing ACLED Data with Graph, Geospatial and Timeline



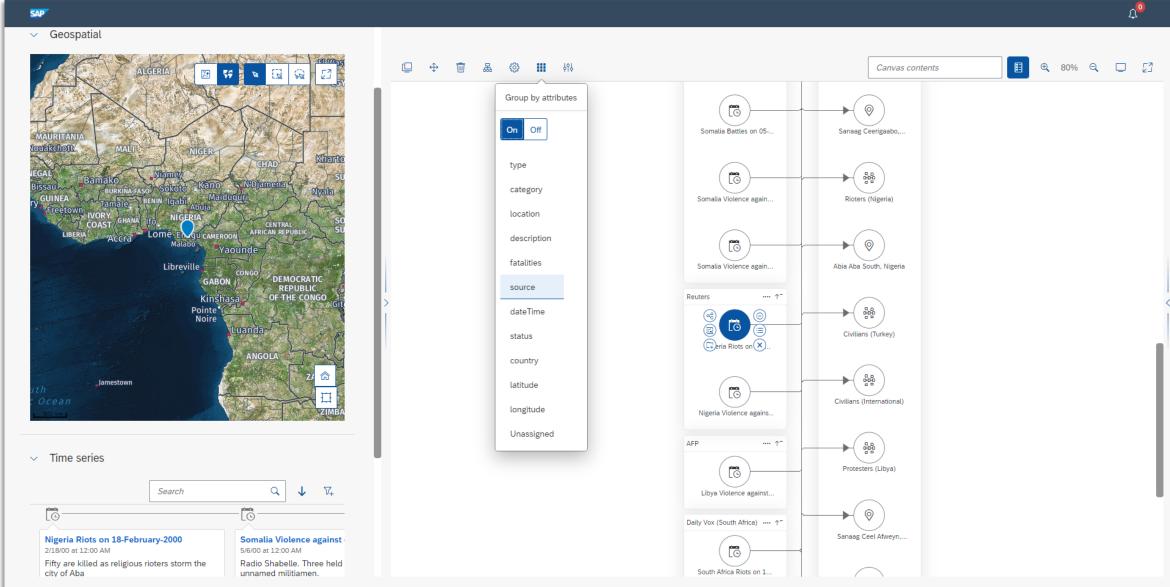
Shortest Path between event in Somalia and Place in Nigeria



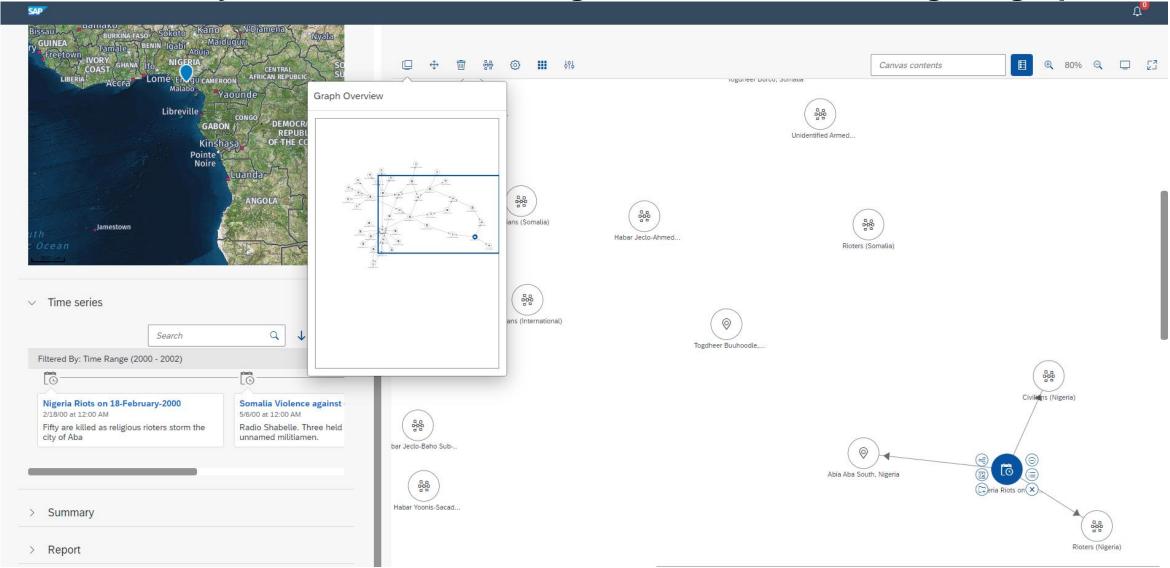
Grouping events by category...



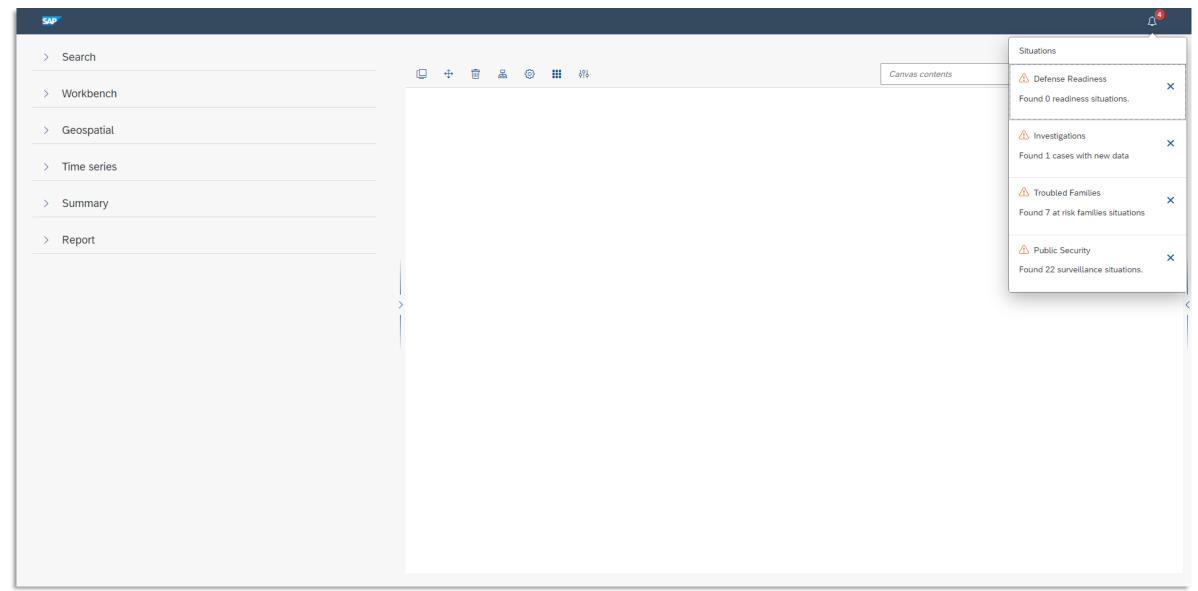
... or any available attribute among entities like source



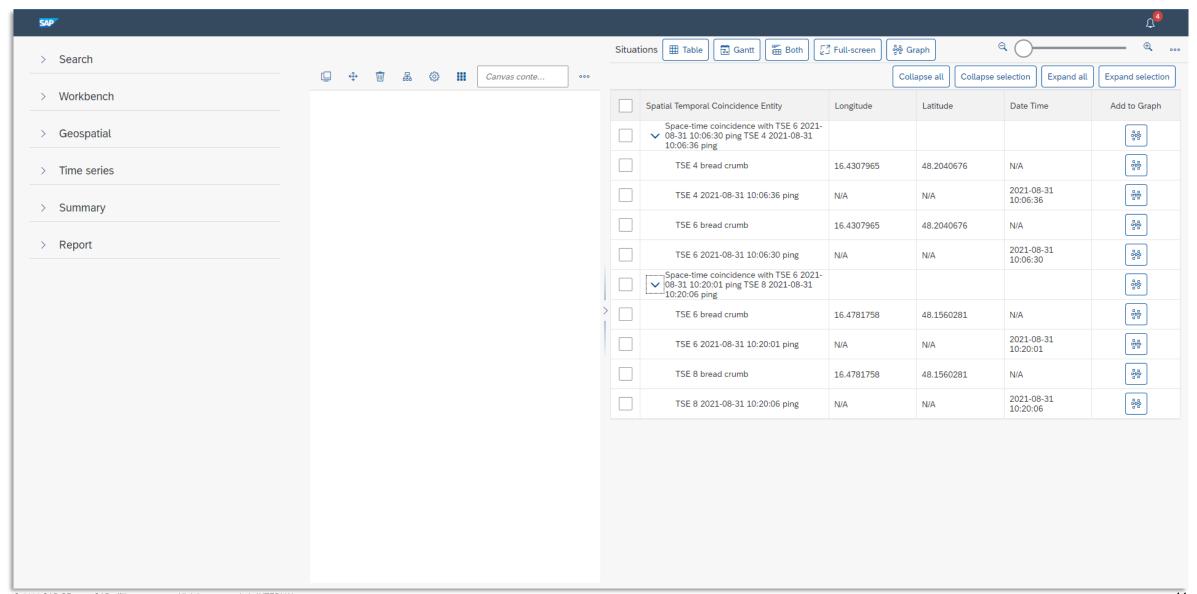
Filter events by date while maintaining an overview of the original graph



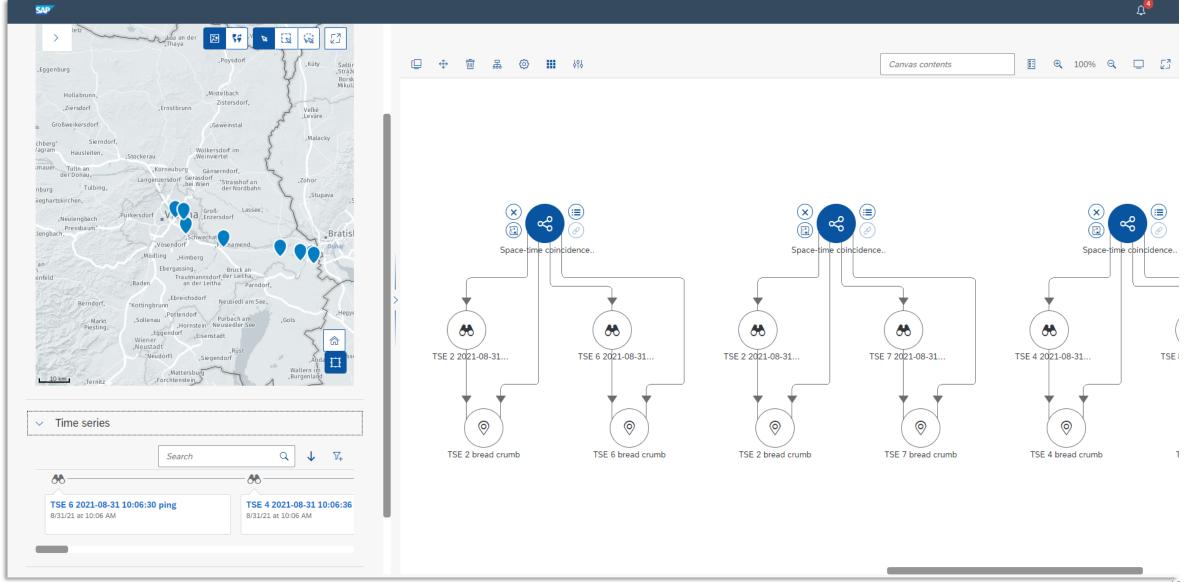
Situations Created by Graph Patterns



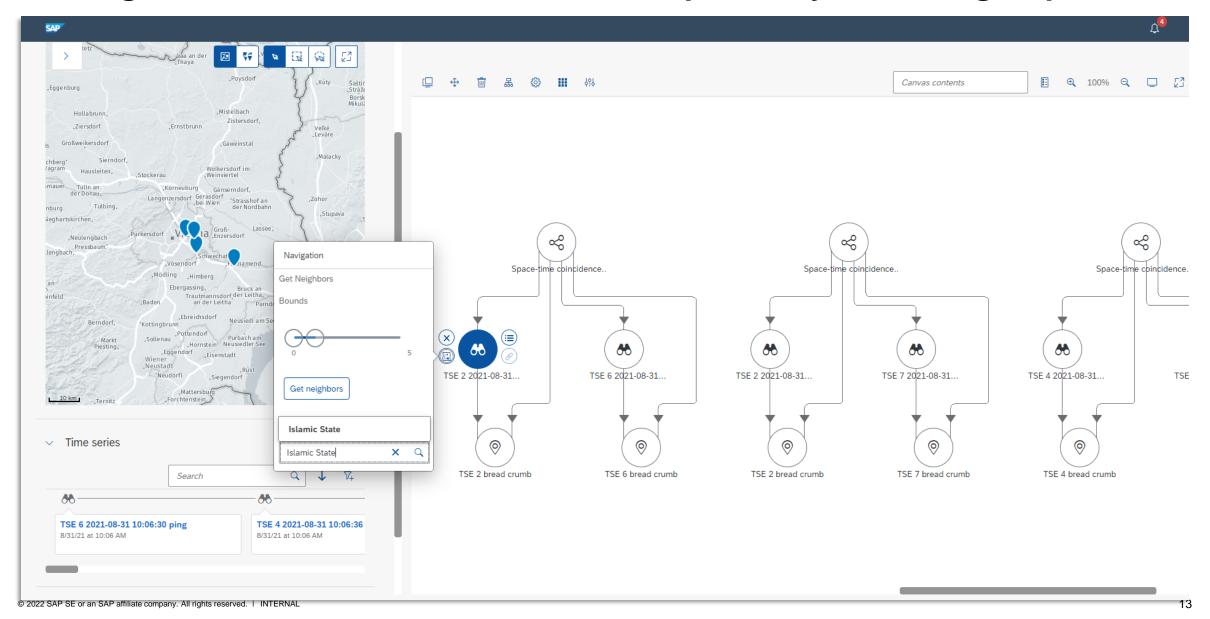
Public Security Use Case involving Space Time Coincidences



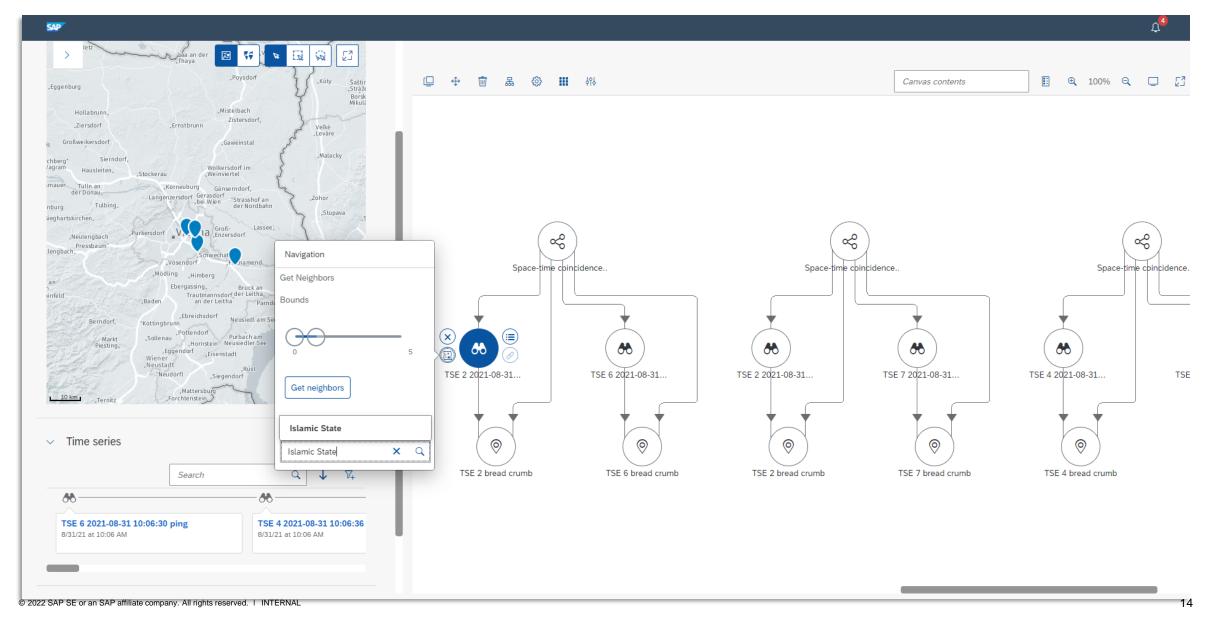
Render Coincidences on Graph, Map, and Timeline



Interrogate with Shortest Path to determine proximity to threat groups



Interrogate with Shortest Path to determine proximity to threat groups



Interrogate with Shortest Path to determine proximity to threat groups

