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Otras herramientas y asistentes de IA generativa para ciudadanos y usuarios técnicos

Graph Studio y Spatial Studio

Francisco Alvarez

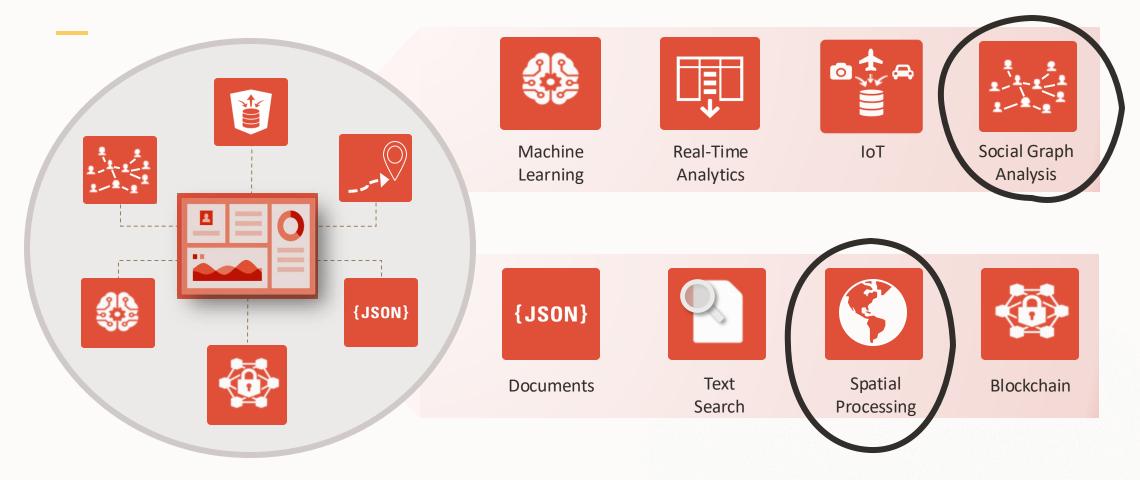


Safe harbor statement

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The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

Data Driven Apps Create Value from Data in New Ways



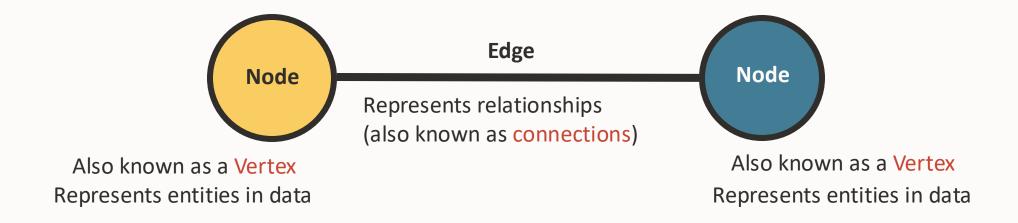




Graph Studio

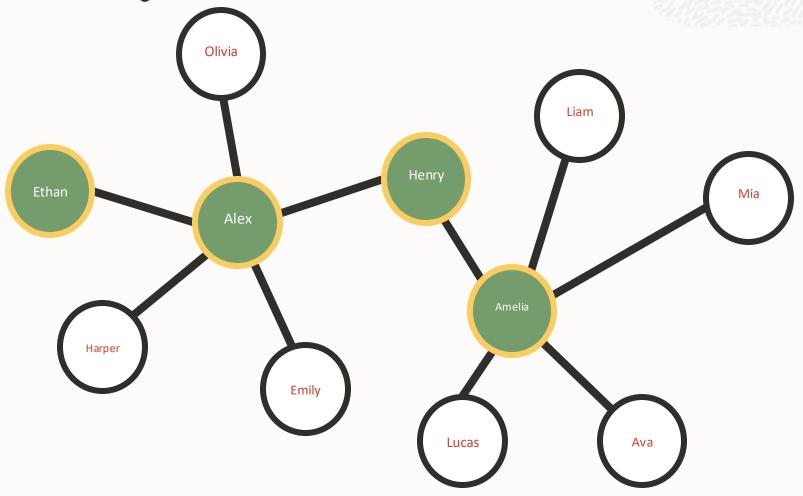


Oracle Graph





Are you connected to someone?



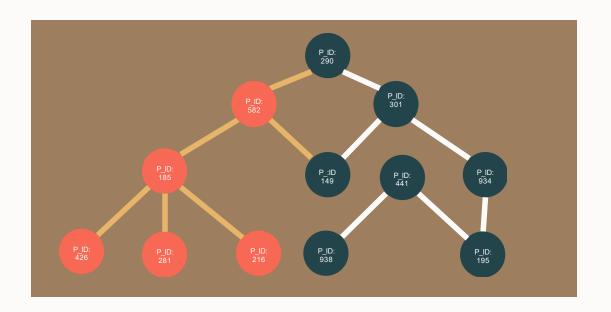
What is Ethan's connection to Amelia (number of hops and folks along the way)

Are there folks connected to a lot of people (like Alex and Amelia)

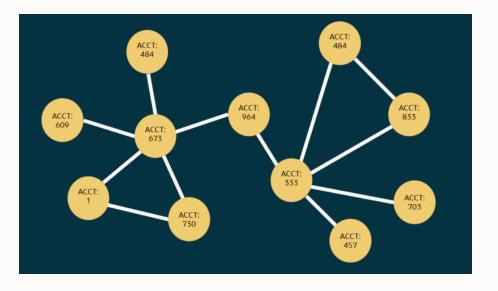


Social interactions is a Natural Graph

Analyze organization or service dependencies

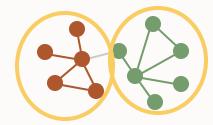


Find anomalous patterns in transactions Or paths between entities





Graph Algorithms



Detect communities

Which are the customers with similar behavioral patterns?



Identifying structures

What patterns match known fraudulent transactions



Find important nodes

Who are the influencers in this social network?

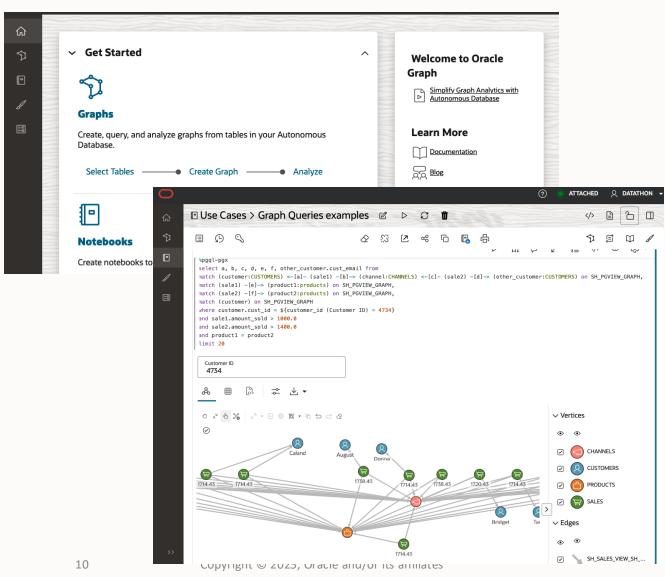


Find paths

Is a bank account connected to a known fraudulent bank account?



Graph Studio



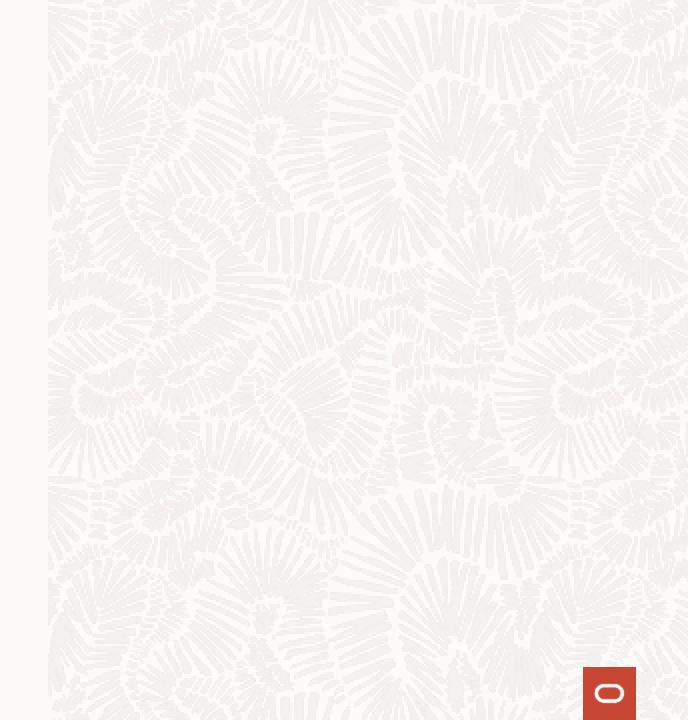
Ready to use in Autonomous!

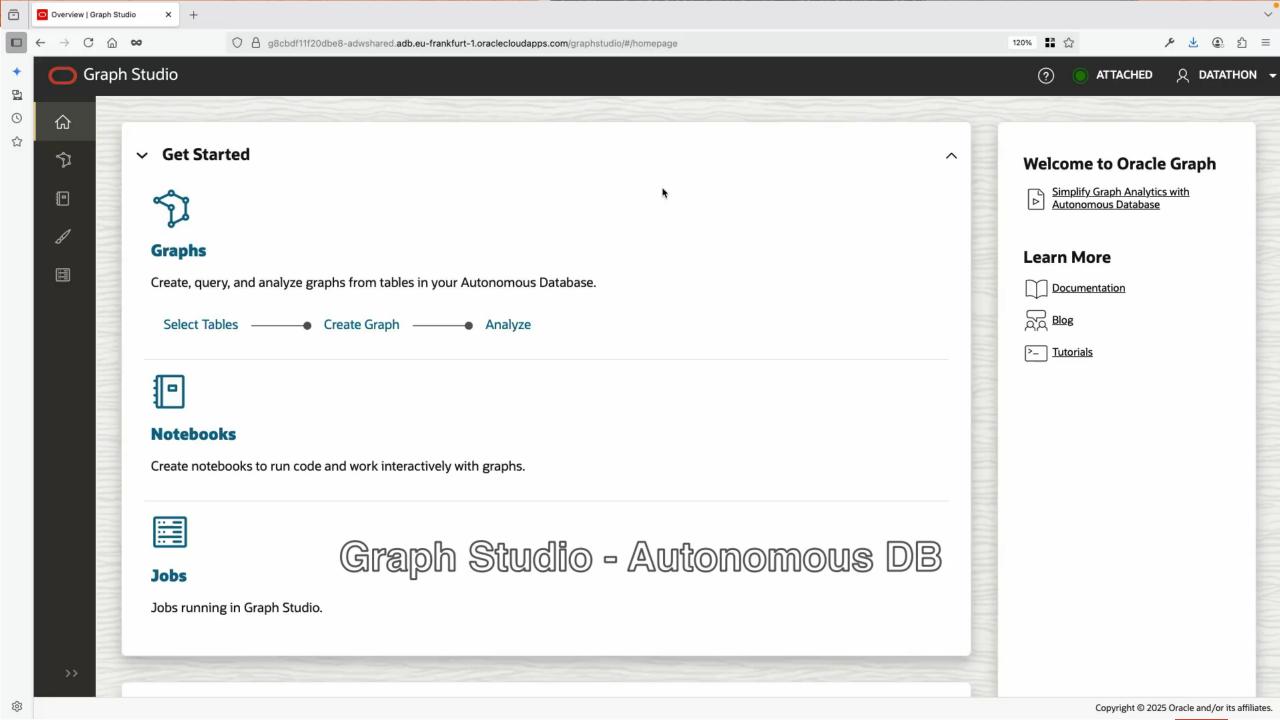
Automated graph modeling

Notebook UI

- Run graph queries
- Run graph algorithms
- Graph visualization

Demo!







Spatial Studio



Everything happens somewhere

Data element in every Oracle Database

Relate and analyte data by location

In the context of business workflows

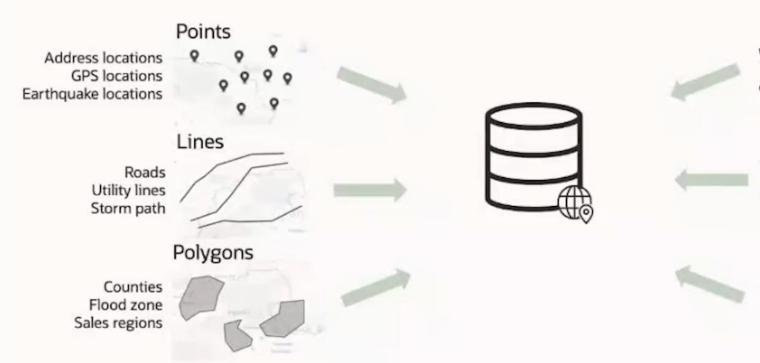












Which address locations are within a flood zone?

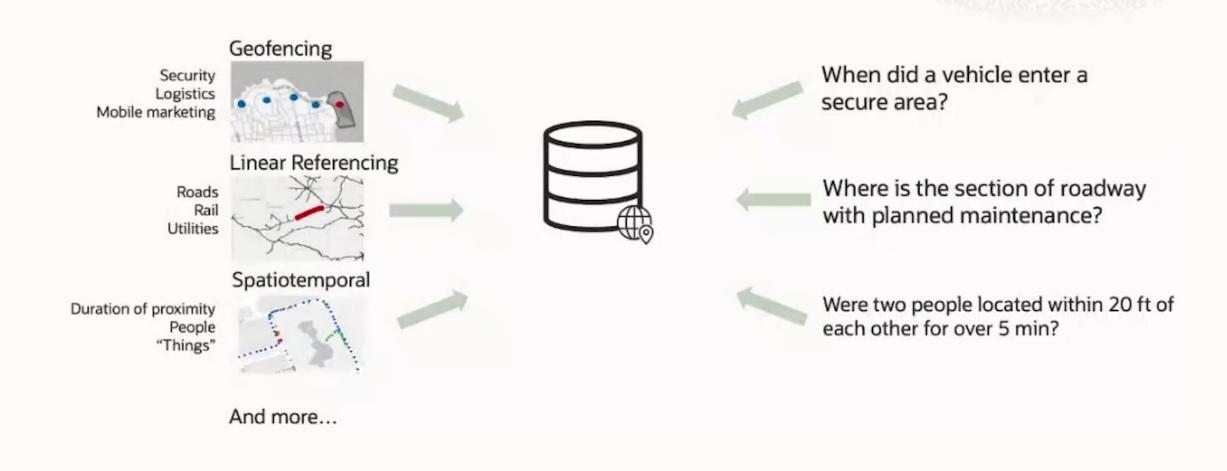
Which utility lines are within a mile of an earthquake location?

How far from a storm path is the nearest emergency response center?

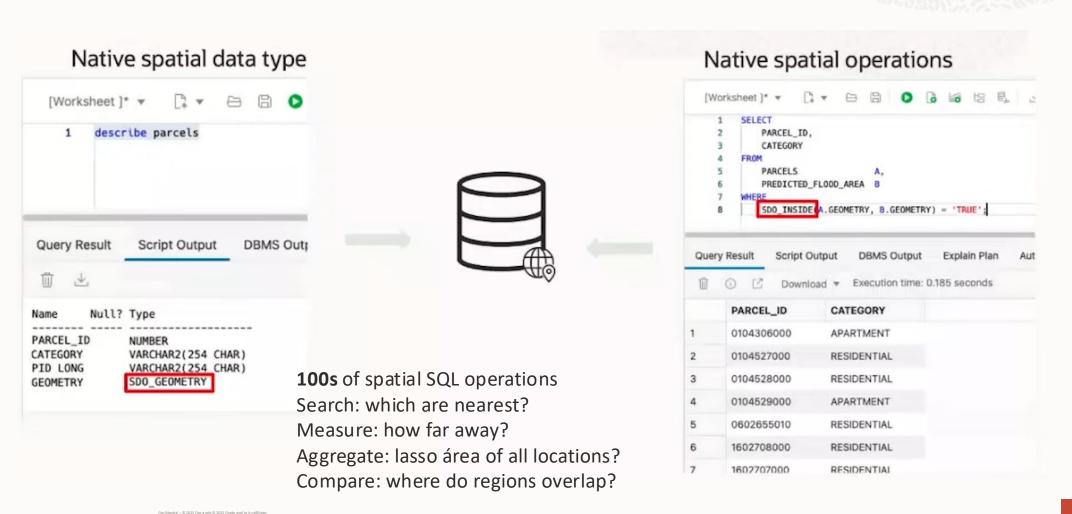




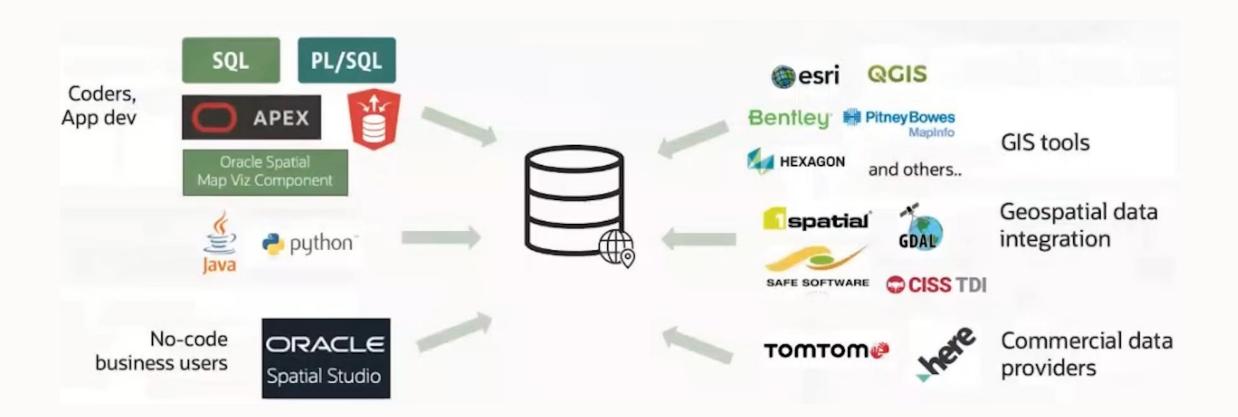








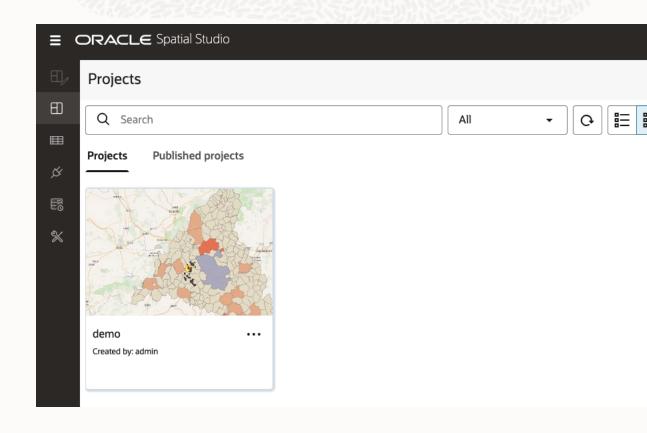






Spatial Studio – no code application

- No-code Access to spatial features of Oracle database
- Prepare, analyze, visualize, share
- Free app with database
- Run where you need it: your laptop or from OCI marketplace



Get Started

https://www.Oracle.com/database/technologies/spatial-studio/get-started.html

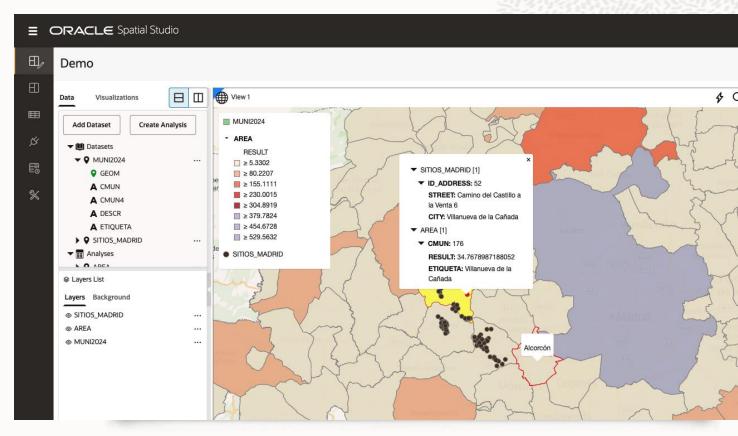
Doc

https://docs.Oracle.com/en/database/Oracle/spatial-studio



Typical Data Analysis Workflow

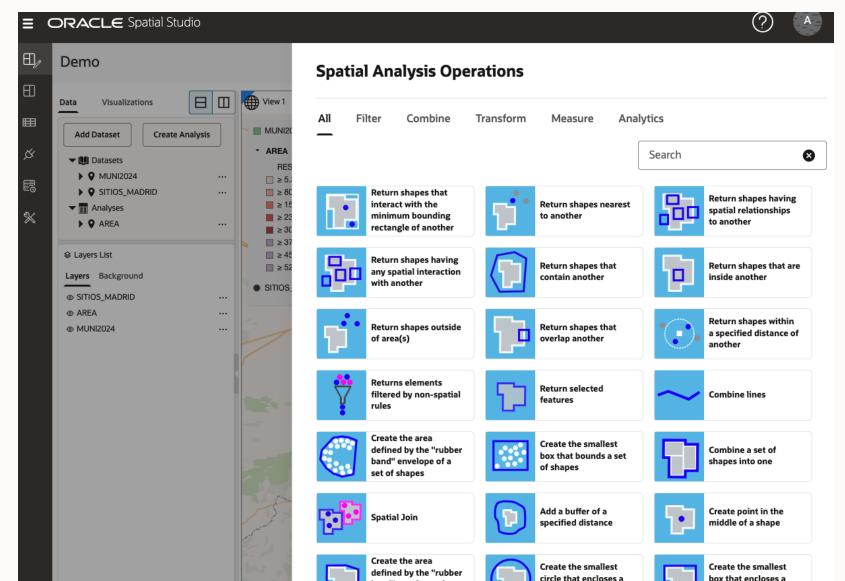
- Data ingestion
 - Spatial and non-spatial data
- Data enrichment
 - Address geocoding
 - Converting placenames
- Geospatial processing
 - Creating analytical workflows
- Interactive analysis
 - Map visualization
- Publication of results



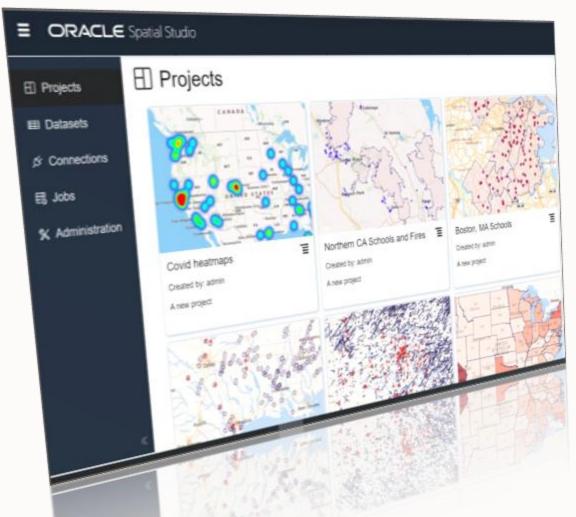
Spatial Studio – Self-service spatial analytics



Spatial Studio – Simple Geospatial Analysis



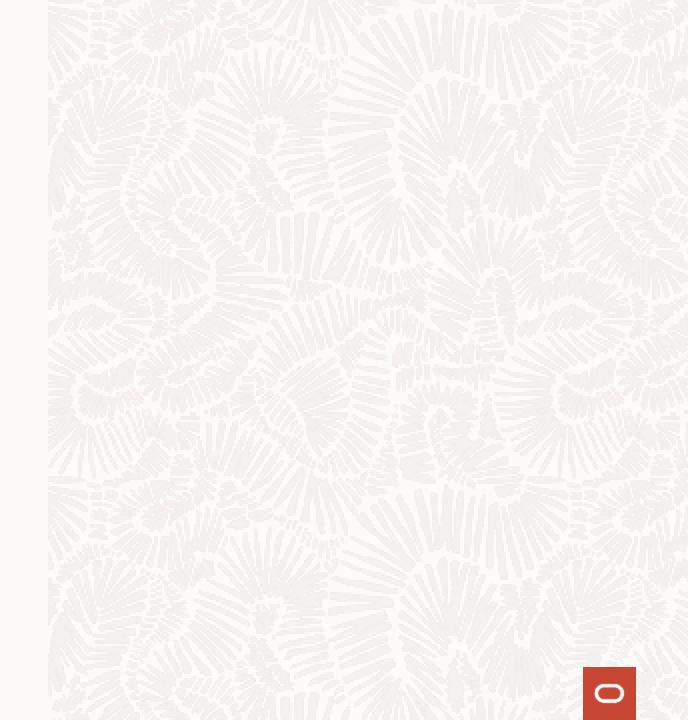
Map creation and spatial analysis for non-experts

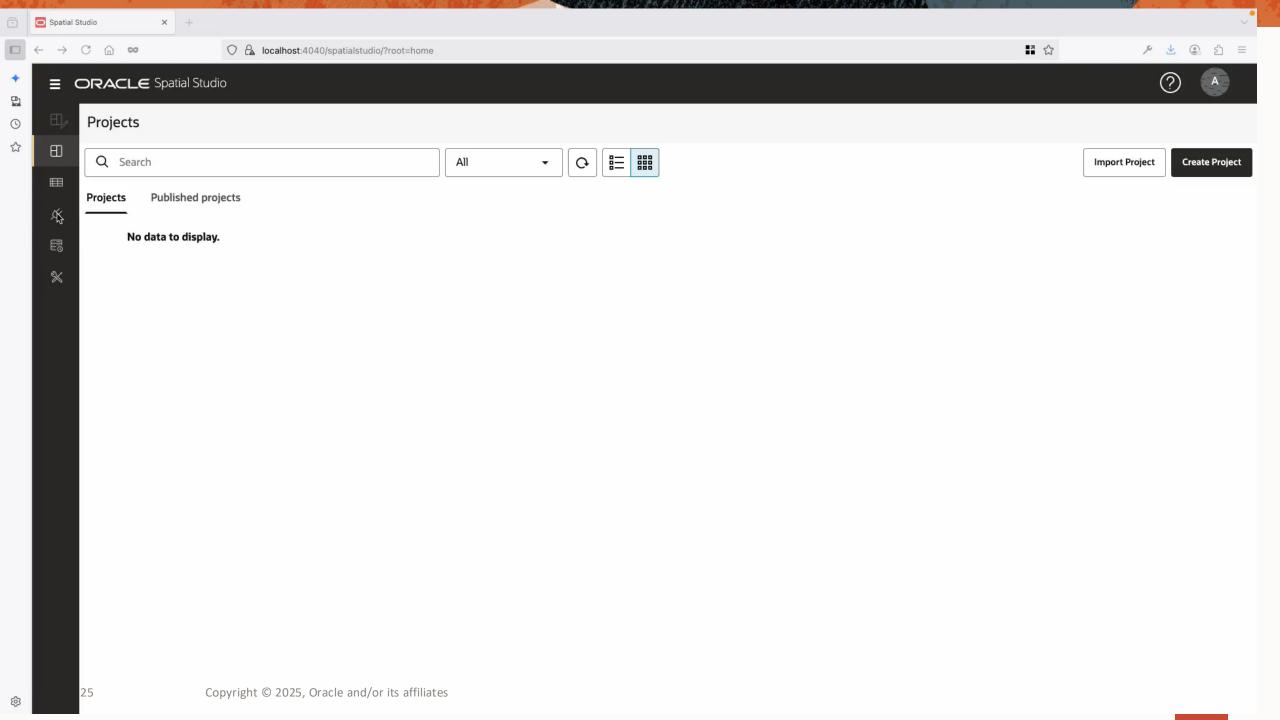


- Browser-based, self-service tool for analysts and developers
- Analytics-oriented features
 - Convert addresses to coordinates using Oracle Maps Cloud Service
 - Hundreds of spatial operators and functions
 - Interactive visualization
 - Integration with OAC
- Developer-oriented features
 - Prepare GPS or other geospatial data for analysis
 - Generate complex SQL statements
 - Publish results via REST



Demo!

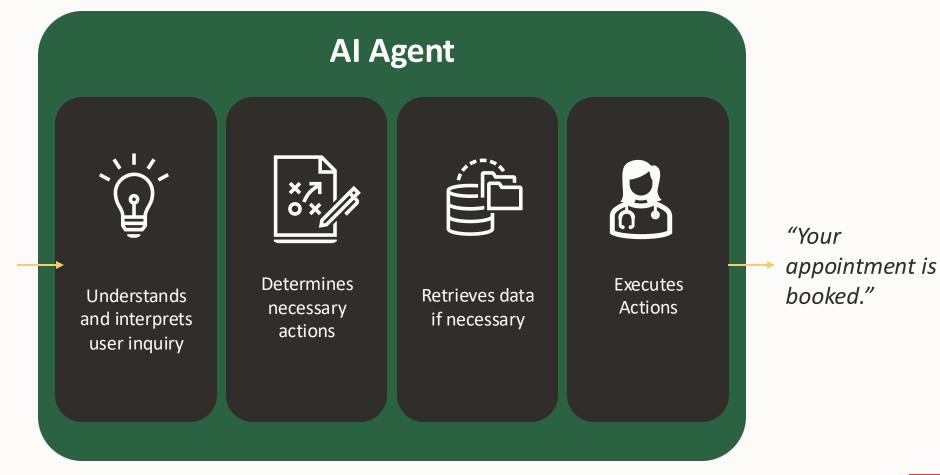




OCI Generative AI Agents

Applications of large language models, packaged and validated, ready to use out-of-the-box

"Look for a parrot vet close to my house."



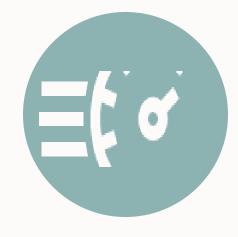
OCI Generative AI Agents



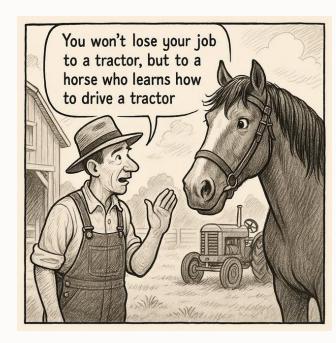
Leveraging Data Expertise



Built-In, Not Bolted On

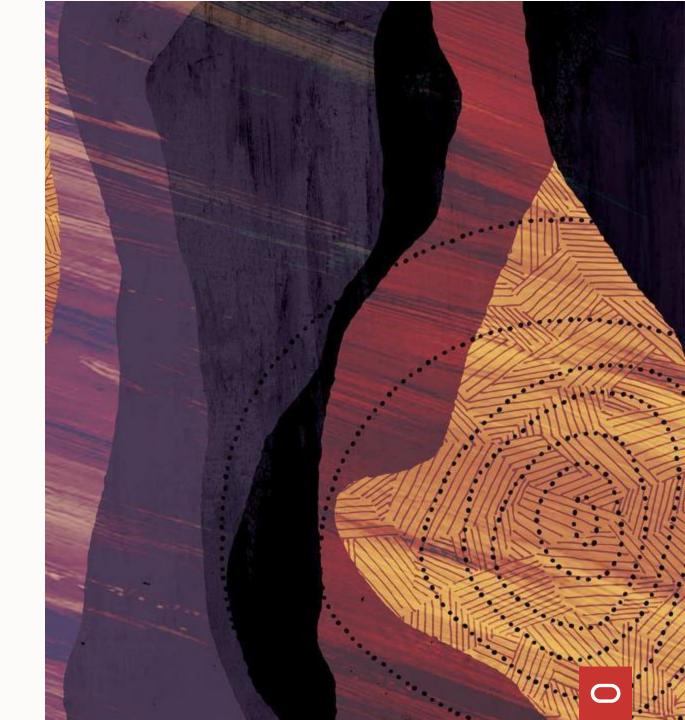


Fosters Fast Time to Value





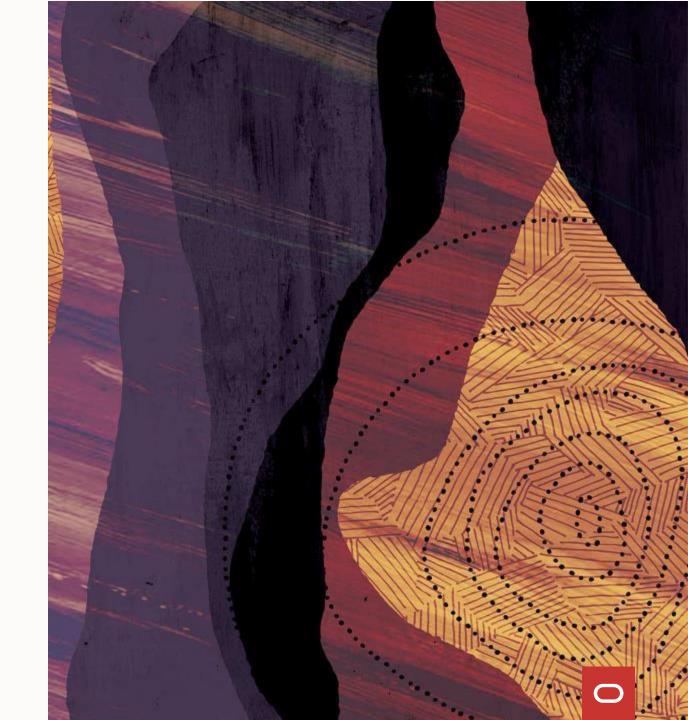
Preguntas



Our mission is to help people see data in new ways, discover insights, unlock endless possibilities.



Gracias



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