Welcome to Seattle and Amazon Web Services!
Customers don’t want a graph database.

Why are we here?

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Brad Bebee, General Manager, Amazon Neptune & Timestream
We all agree – graphs are awesome!

1. Model data based on relationships

2. Applications explore connections and patterns in connected data

3. Processing graphs is hard due to random data access

4. Generalized graph operations require purpose-built processing
Customers agree too! – Every day thousands of customers use Neptune...and many other graph choices!
Customers get very excited about...

Knowledge graphs
UNDERSTANDING THE WHO, WHAT, WHEN, AND WHERE

Identity graphs
UNIFIED 360° VIEW OF THE CUSTOMER

Fraud graphs
DETECTING FRAUD AS IT HAPPENS USING RELATIONSHIPS

Security graphs
UNDERSTAND SECURITY VULNERABILITIES ACROSS LAYER

Your favorite pet rock graph...

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We don’t even need to say, “graph”, at all.

Customers have data and use cases.

For many of these applications, creating and exploring the relationships in the data is the fastest and best way to solve the problem.
What we give customers

ISO/IEC JTC1 SC32
WG 3
Database Languages

Apache TinkerPop

W3C® SPARQL

SQL
GQL

openCypher

...and others

Why do we ask them to make choices and become graph experts when they just want to solve problems?
How big is the graph database opportunity?

Customers who know they want a graph database.

Customers who could benefit from a graph.

- PG
- RDF
- OLTP
- GNNs
- OLAP
- RAG
- Linked Data
- Graph Analytics

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As vendors, we all win when more customers use graphs... there are real customer needs that have gaps and are opportunities.

Property Graph Schema

Standardized Interchange Formats

Common language extensions for GNNs, Vector Search, etc.

PG and RDF Interop. (1G)
I thought I’d prompt you. My name is Jen Eh Eye.

GenAI is an inflection point for graph adoption.

The graph community understands the problems customers will face.

Graph technologies may be the best ways for customers to build useful GenAI applications.

We have a huge opportunity if we focus on the use cases and usability.
Our vision for graphs on AWS...

We want AWS to be the best place for customers to store their data and solve problems using graphs.

We want to offer the most choice of services, partner offerings, and integrations for the full range of graph challenges.

We want to partner with you grow the user community and show customers how graphs can solve problems better.
A rising graph floats all nodes and edges (and triples too!).

Let’s do it, together!
Thank you.

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