

PRESS RELEASE

Enterprise Knowledge Graphs powered by new AWS graph database service Amazon Neptune and metaphactory

Siemens and metaphacts showcase Enterprise Knowledge Graphs on Amazon Neptune

Las Vegas, Nevada; November 29, 2017 – Siemens and metaphacts are among the first Amazon Neptune users and show several use cases for enterprise knowledge graphs using the new service and metaphactory. At AWS re:Invent, Amazon Web Services (AWS) announced Amazon Neptune, a new fully managed graph database service that makes it easy to build and run applications that work with highly connected datasets.

AWS announced today the launch of Amazon Neptune, its new graph database service. Amazon Neptune is a fast and reliable graph database that enables customers to query billions of relationships with millisecond latency.

In a joint presentation on Friday Dec 1, Siemens and metaphacts will provide details on how they use Amazon Neptune, standalone graph stores, and the [metaphactory platform](#) to drive use cases for enterprise knowledge graphs. Leveraging this combined solution, Siemens powers an intelligent knowledge hub combining structured and unstructured data from different sources and business units in a unified data space. This knowledge hub can also be used as a smart knowledge factory generating new knowledge.

Use cases for enterprise knowledge graphs at Siemens in the spotlight

More than half a dozen use cases, ranging from semantic master data management and production monitoring to finance and risk management, will be presented by Thomas Hubauer, Portfolio Project Manager for Knowledge Graph & Semantics at Siemens Corporate Technology.

He will demonstrate how Siemens utilizes knowledge graph technology to provide engineers with fast and highly flexible access to the data they need. This is achieved by enabling the domain expert to query for data based on an intelligible domain model instead of requiring a DBA to write complex SQL queries.

Siemens builds their solution for improved knowledge discovery and knowledge management, reduced efforts for data collection and analysis, faster and easier data integration – all ultimately leading to an enhanced quality of business decisions.

“It is impressive to see how a large corporation like Siemens connects and integrates their heterogeneous data landscape into a comprehensive knowledge graph and shows successful use cases in such a short time“, says Peter Haase, CEO of metaphacts.

metaphactory – the graph management solution on Amazon Neptune

With metaphactory, metaphacts delivers an innovative solution for creating and managing thematically specialized knowledge graphs and easily building interactive end-user applications.

“We are looking forward to investigate Amazon Neptune in depth and we are glad to have a partner in metaphacts which understands our data management needs and has supported us in driving knowledge graph use cases for our business and for our customers“, says Thomas Hubauer, Portfolio Project Manager for Knowledge Graph & Semantics at Siemens Corporate Technology.

Furthermore, metaphactory is used as the frontend for interacting with the graph database during the Amazon Neptune hands-on tutorial taking place at AWS re:Invent 2017. Apart from acting as a frontend, metaphactory also supports rapid prototyping and roll-out of intelligent applications on Amazon Neptune, as well as integration with other AWS services or third-party tools.

Customers can build knowledge graphs with the ‘metaphactory for Amazon Neptune’ via AWS Marketplace, which works with the new Amazon Neptune service. With Amazon Neptune, customers can query connected datasets with the speed and simplicity of a graph database, while benefiting from the scalability, security, durability, and availability of an enterprise-grade service built on AWS.

About metaphacts

metaphacts GmbH empowers customers to build and manage their own knowledge graphs to extract the most value out of their data, enable transparency and reach smarter business decisions. With metaphactory we provide the means to create thematically specialized knowledge graphs in areas such as business, finance, life sciences, cultural heritage or manufacturing. Our end-to-end platform delivers technology for data acquisition and integration, authoring new content, as well as linking to and reusing external knowledge sources. metaphacts is an Amazon Technology Partner and participated in the closed beta program for ‘Amazon Neptune’.

For more information about metaphacts and its solutions please visit www.metaphacts.com

To learn more about metaphactory for Amazon Neptune please visit www.metaphacts.com/amazon-neptune

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