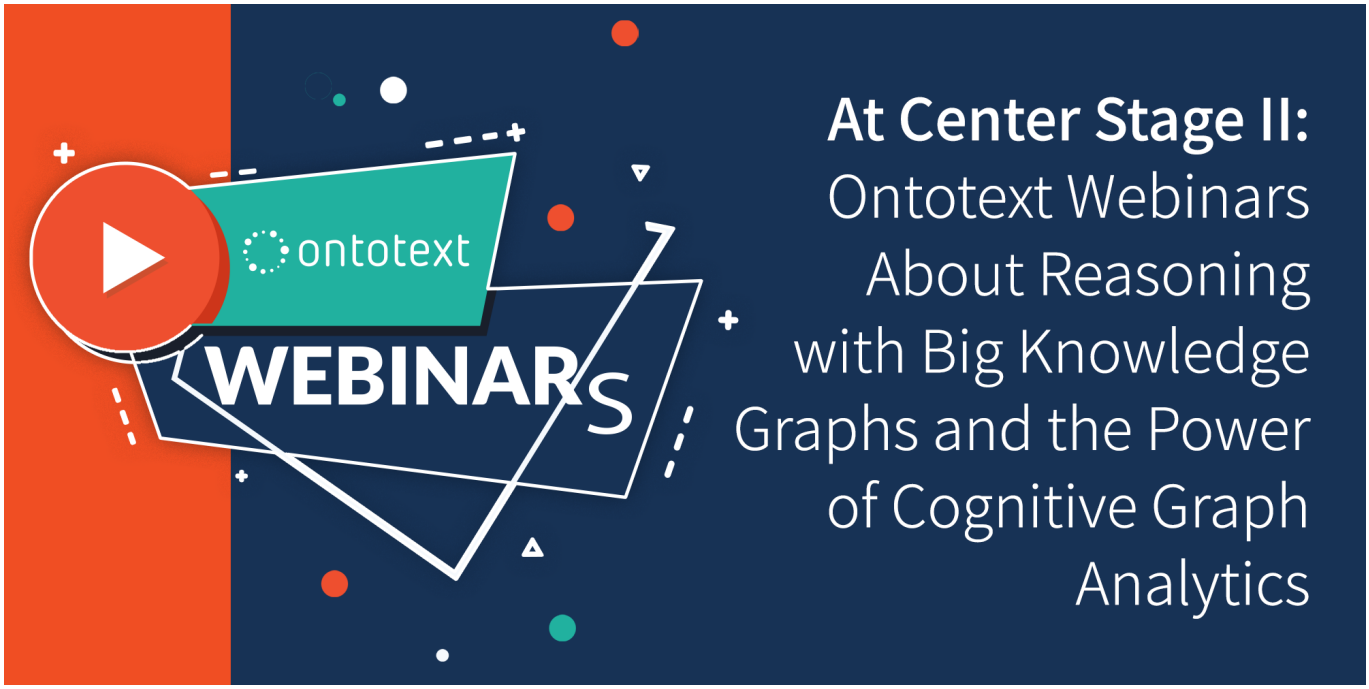

This post continues the series of posts we started with At Center Stage: 2 Ontotext Webinars About Knowledge Graphs and Their Application in Data Management.

We want to give you the bigger picture of what we do and where Ontotext webinars fit into it – just a couple of webinars at a time. All of our webinars are available on demand. If you've missed one and if we've managed to pique your interest with this post, you can request a free recording.

Here, we've decided to present another two Ontotext webinars that give the bird's eye view of the enterprise knowledge graph technology we have dedicated 20+ years to develop for some of the most knowledge intensive enterprises in various industries. These are: **Reasoning with Big Knowledge Graphs: Choices, Pitfalls and Proven Recipes** and **Graph Analytics on Company Data and News**. Both were presented by our CEO, Atanas Kiryakov.

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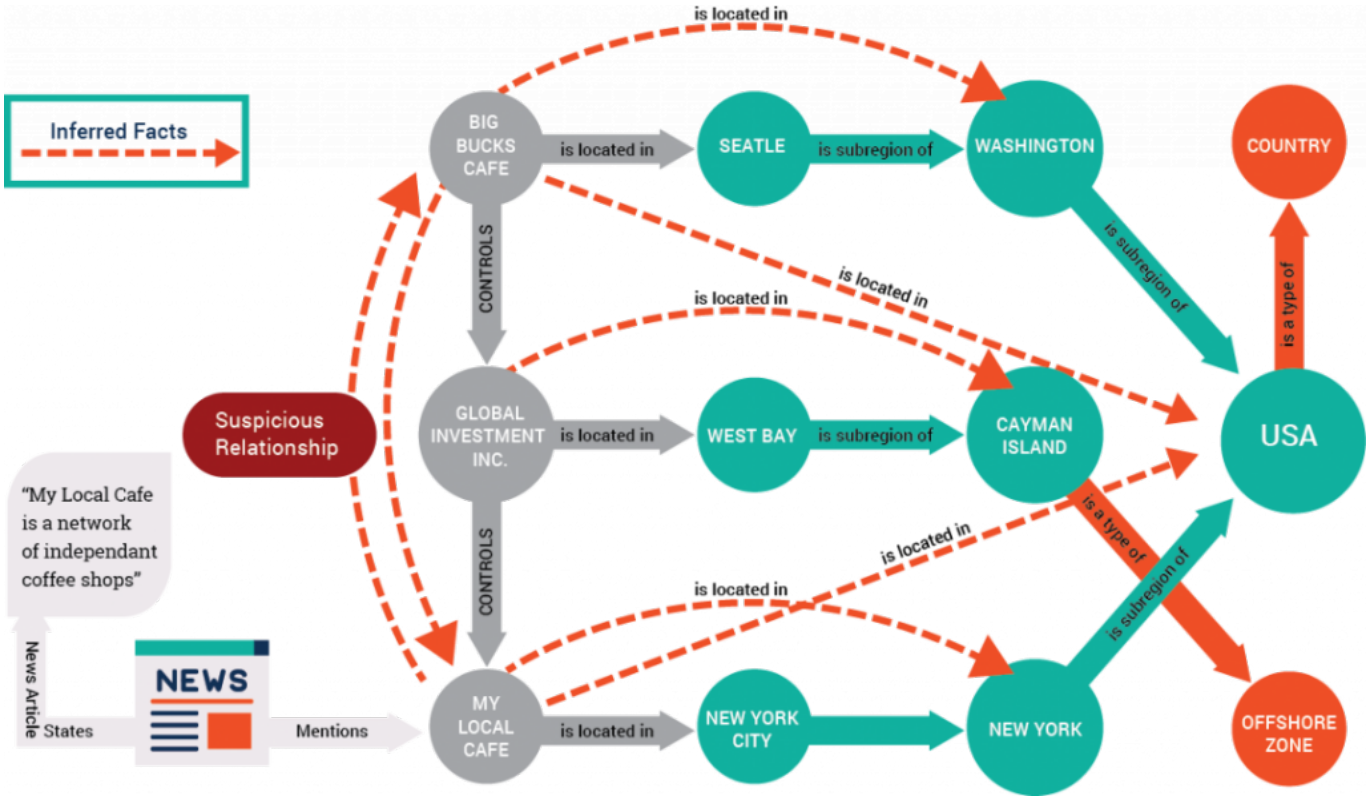
Reasoning with Big Knowledge Graphs: Choices, Pitfalls and Proven Recipes



The first Ontotext webinar that takes center stage in this post is Reasoning with Big Knowledge Graphs: Choices, Pitfalls and Proven Recipes. It provides a brief introduction to logical reasoning and an overview of the most popular semantic schema and ontology languages: RDFS and the profiles of OWL 2. Atanas demonstrates how reasoning works using FactForge as a playground. FactForge is our public GraphDB demonstration service. It exposes a knowledge graph of more than 2 billion statements combining DBPedia, GeoNames, the Financial Industry Business Ontology and other data. Atanas also introduces the different reasoning implementation approaches and discusses their suitability for specific application scenarios.

You will learn about which OWL profiles are appropriate for reasoning with big knowledge

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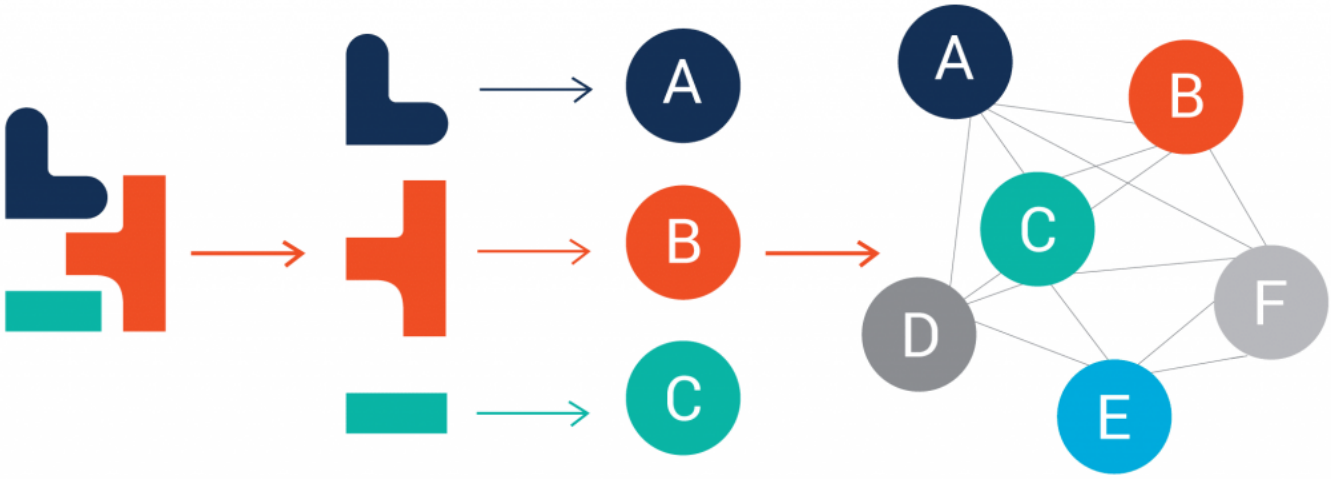
graphs. You will also hear about the design choices for reasoning implementation, together with their pros and cons as well as how the popular triplestores implement reasoning. Finally, you will receive quick guidance for configuration and customization of reasoning with GraphDB.

Interesting attendee question: You said that inferencing doesn't work with virtualization? Why is that?

Ontotext's answer: If you have virtualization, it means that some of the data is in a remote system. This also means that you can't pre-index it, you can't do inferred closure there, you can't do the inference at load time because the essence of virtualization is that you don't load the data. So, your reasoner never sees all the data. Which means that if you use virtualization, you should resort to query time reasoning. And query time reasoning just doesn't work on big datasets because you can't optimize the queries.

Click here to watch on demand!

Graph Analytics on Company Data and News



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The second Ontotext webinar Graph Analytics on Company Data and News focuses on the power of cognitive graph analytics to create links between various datasets and to lead to powerful

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