

# RDFox Advanced Reasoning Workshop

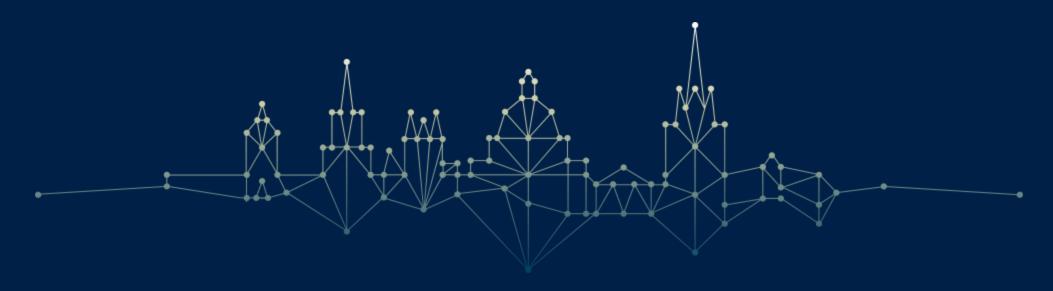
#### **Tom Vout**

Knowledge Engineer
Tom.vout@oxfordsemantic.tech





# Take your applications to the next level with the most advanced tools reasoning has to offer



### What's covered by the workshop?





Writing advanced Datalog rules



Optimising rules for performance



Real World use cases



Best practices and techniques

### **Objectives**



#### The Intro

- How to participate
- Starting RDFox
- Reasoning foundations & terminology

#### The Datalog Toolbox

- Aggregates
- Negation
- Blank Nodes & SKOLEM
- Named Graphs
- The Reasoning Profiler

Please feel free to ask questions at any time!

You may want to reference the RDFox docs throughout. Find them here: <a href="https://docs.oxfordsemantic.tech/">https://docs.oxfordsemantic.tech/</a>

#### **Advance Use of Rules**

- o Rules as Views
- Complex Calculations
- Transitive Closure
- Property Paths
- Complex Recursion

- + Optimising rules
- + Debugging
- + Best practices
- + Real world applications

### Requirements





# A. Get an RDFox License

https://www.oxfordsemantic .tech/free-trial



# B. Download RDFox (& unzip)

https://www.oxfordsemantic .tech/downloads



## Download the materials

https://github.com/OxfordSe mantic/ AdvancedWorkshop



# D. Download VS Code

Other IDEs will work but setup and walkthrough may be different.

https://code.visualstudio.com

#### **Additional information**





#### Visit our website

https://www.oxfordsemantic.tech



#### Our blog

https://www.oxfordsemantic.tech/blog



### Read our documentation

https://docs.oxfordsemantic.tech/index.html



### Request a Demo

https://www.oxfordsemantic.tech/demo