

# RDFox Advanced Reasoning Workshop



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**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 RDFS
- Reasoning foundations & terminology

## The Datalog Toolbox

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

## Advance Use of Rules

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

Please feel free to ask questions at any time!

You may want to reference the RDFS docs throughout.  
Find them here: <https://docs.oxfordsemantic.tech/>

- + 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>



## C. Download the materials

<https://github.com/OxfordSemantic/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>