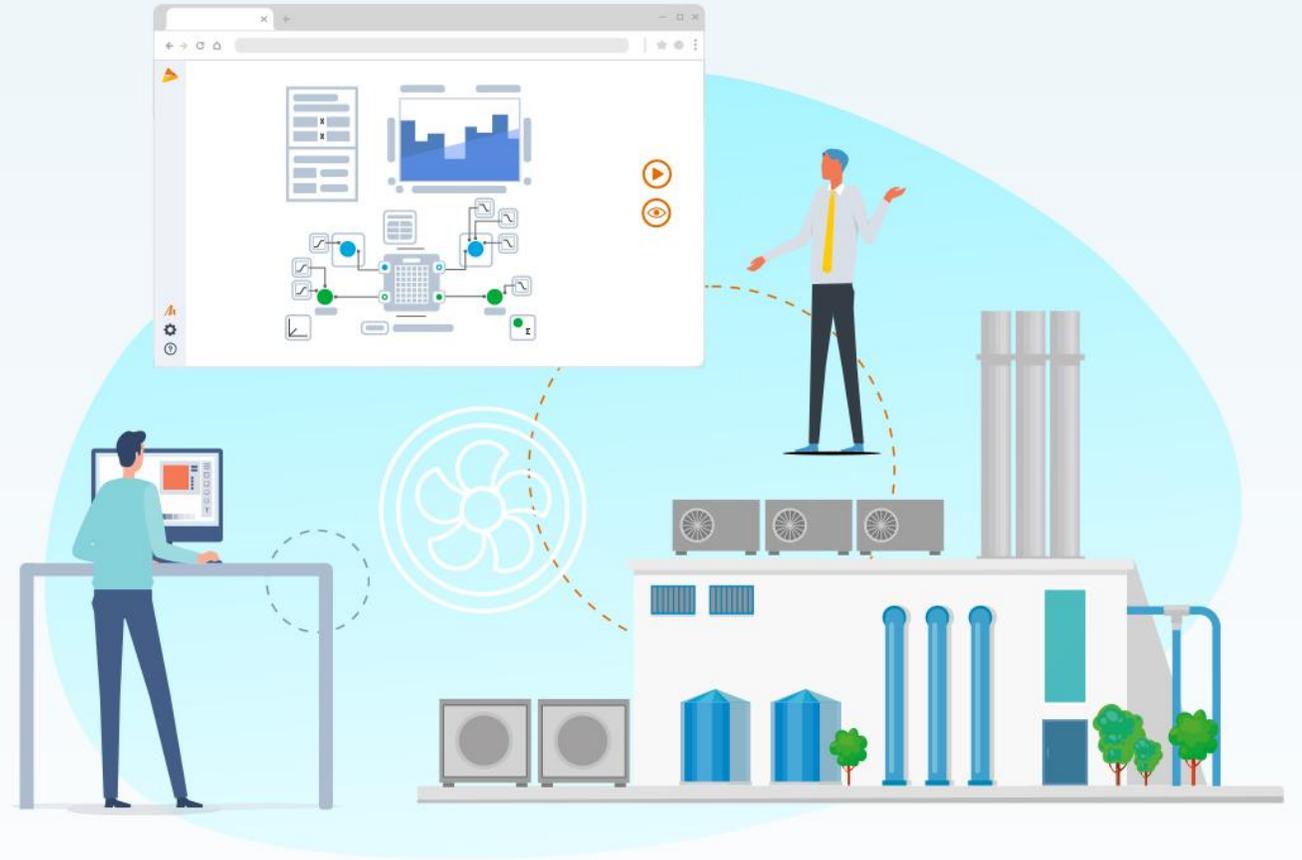# Organization in Modelon Impact

Mathias Strandberg

Principal Application Engineer

Overview

How can I organize my content and work, and how do I maintain it over time?
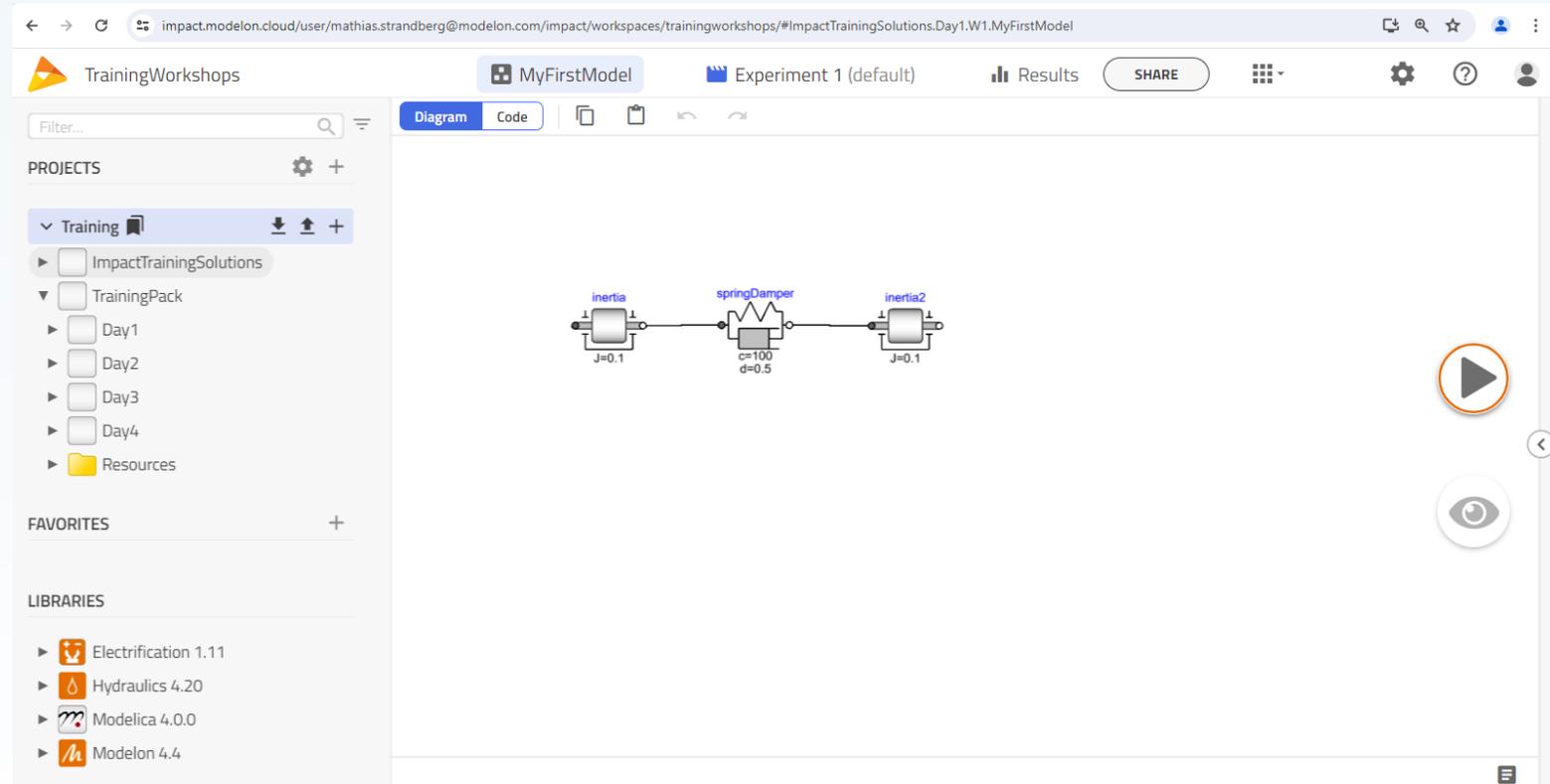
- What is a   (Ref: Training Workspace)
    - Workspace
    - Project

- Sharing Content

- Version upgrade (Ref: Getting Started Workspace)
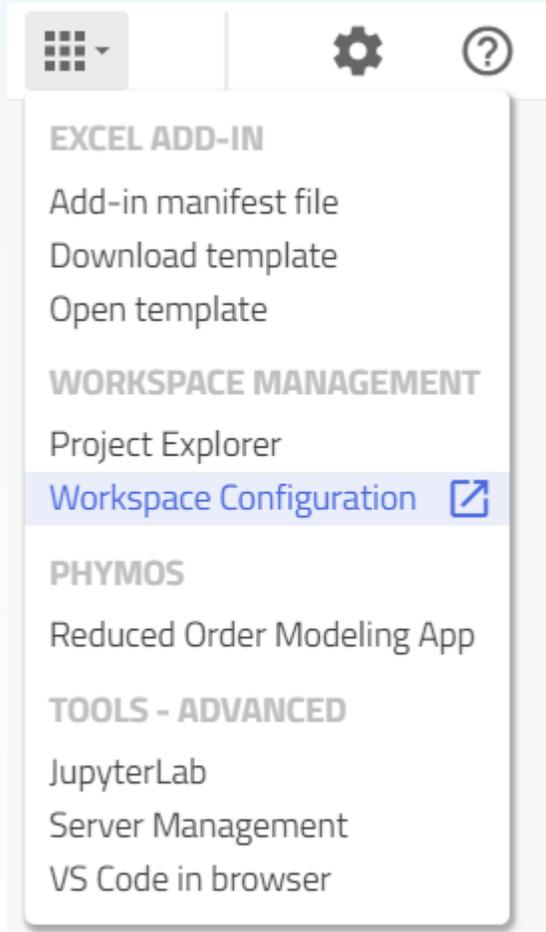
Projects and Workspaces

Workspaces

- Collection of everything you need!

- Source code
  - Projects:
    - Modelica Libraries
    - Library dependencies
    - Stickies and views
    - Experiment definitions
    - Custom functions

- Generated Artifacts
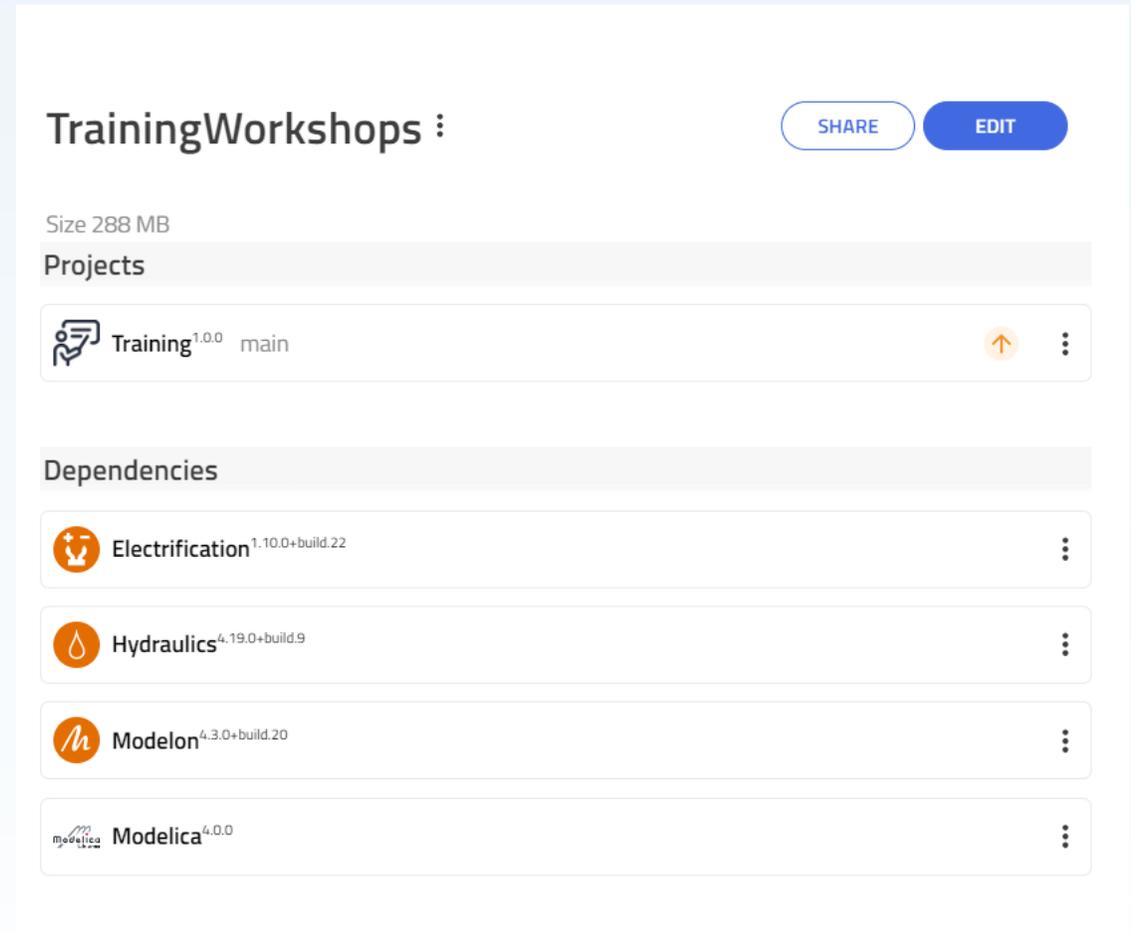 - Results
  - FMUs
  - logs

Workspace Management

Projects

- Modelica source code

- Additional artifacts

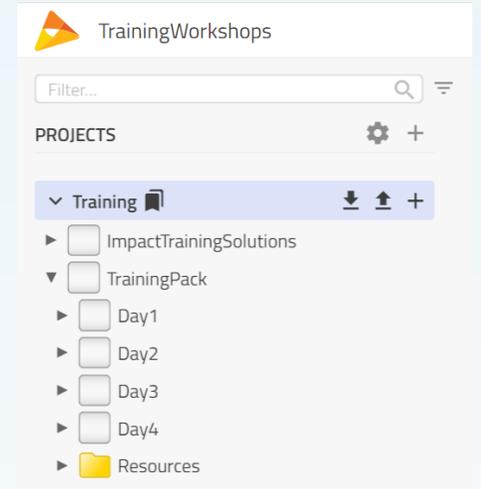- Project definition file

- Can be version controlled!
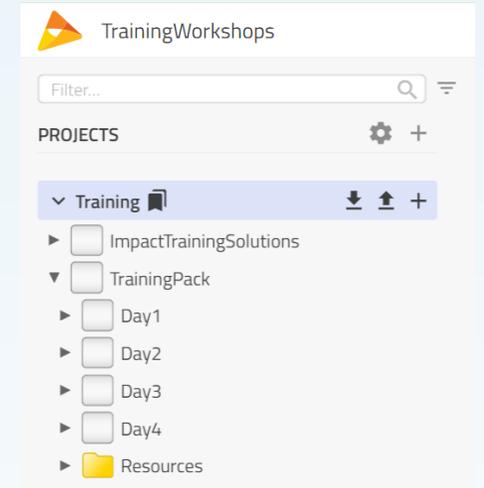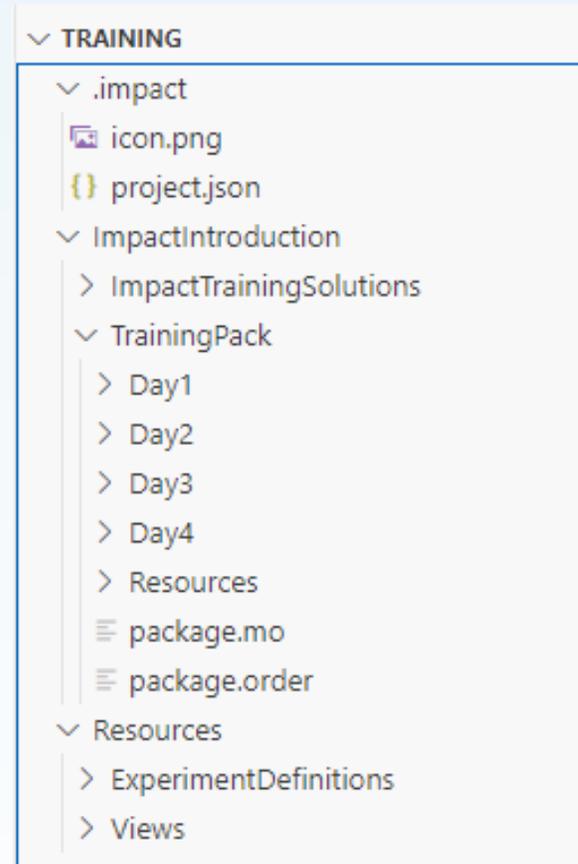
Projects

- Modelica Libraries

- Library dependencies

- Stickies and views

- Experiment definitions

- Custom functions

- Can be version controlled!

Version and Icon

Creating workspaces

MyWorkspace1

| Project A | Generated Artifacts |

MyWorkspace2

| Project A | Generated Artifacts |

Demo

- Set up a workspace with Library dependencies

- Inspect workspace in VS-Code

- Inspect .project file

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Collaboration

Setting up a workspace for collaboration

- Check-out projects

- Create workspace

- Add needed projects

- Done!

Sharing a snapshot

- Creates a complete copy on cloud storage.

- Can include results and fmu:s

- No connection to GIT

- Updates can be pushed

- Receiver needs to accept update

Sharing a configuration

Intended:
Professional development work and collaboration

Allows:
Sharing a workspace configuration through link

Needed:
Repository access to all project dependencies

Everyone can add and update models and source code

Demo

- Snapshot sharing

- Configuration sharing

Version Upgrade

New Modelon Impact version is out!

- What happens now?

- Libraries:
    - New Library suite
    - Oldest versions removed

- Execution environment:
    - Compiler updated

*Modelon_*

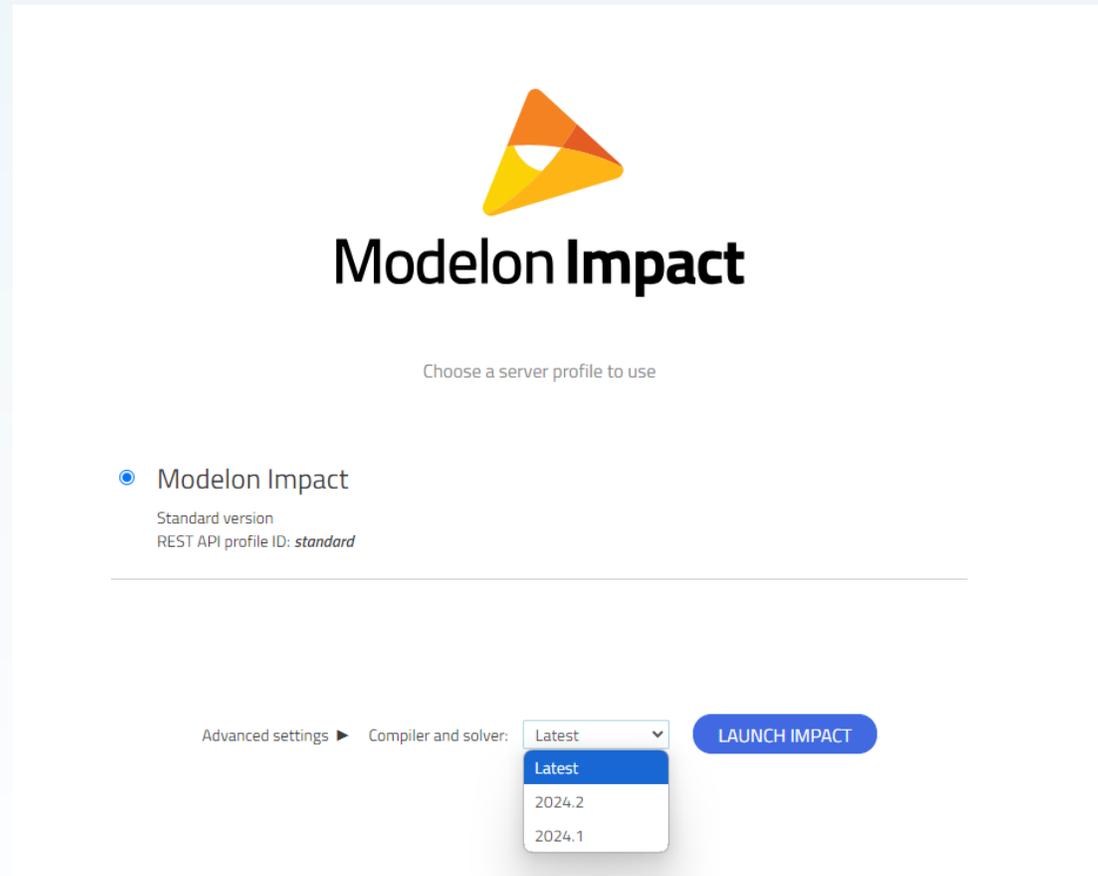# Libraries

- We keep 3 releases available

Library release	General availability at Modelon Cloud	Removal from Modelon Cloud
2023.2	June 2023	Q1 2025
2024.1	Feb 2024	Q3 2025
2024.2	Sep 2024	Q1 2025

Execution Environment

- Possible to stay on older compiler
  - One release cycle

Demo - upgrade

- Workspace/project upgrade to latest library release

Thank you!

Questions?

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Accurate Simulations. Better Decisions.