Workspace

A software platform for unleashing intellectual property

CSIRO Data61 Decision Sciences program

www.data61.csiro.au

Workspace is a proven platform for delivering software applications for commercial and research purposes. The Workspace framework provides a single environment to develop and reuse software components and libraries that are designed to be significantly beneficial to users with a wide range of skills. By streamlining the software development process, Workspace acts as a low-cost pathway to commercialise new or existing intellectual property.

Analyse

Interactively construct and execute workflows of arbitrary complexity

Collaborate

Single environment to develop and reuse software components and libraries

Commercialise

Deploy workflows as stand-alone graphical applications for market consumption

Everywhere

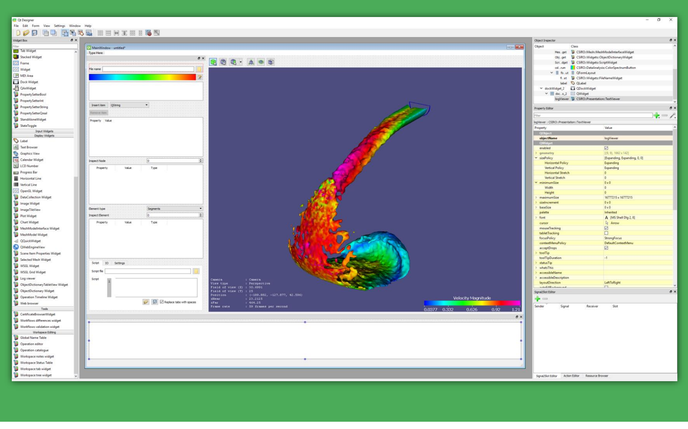
Develop, execute and share workflows for any desktop, mobile or cloud system

The Workspace application stack

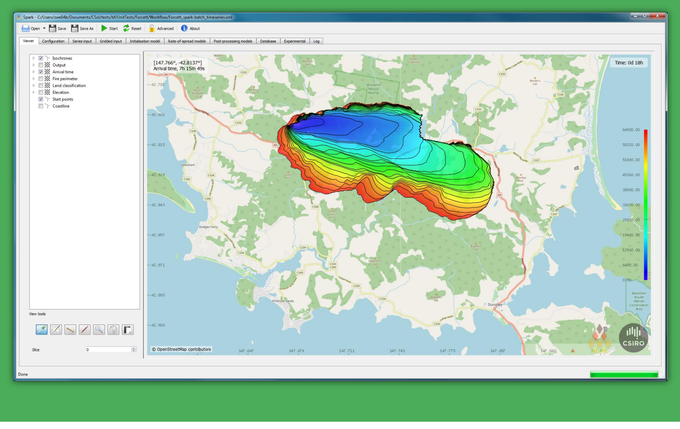
A typical Workspace application is made up of three component types; workflows, plugins and user interfaces

User interfaces

- Design user interfaces by drag and drop in Qt Designer
- Set data bindings from any part of your workflow to the user interface
- Expose plugin's interactive widgets for your collaborators in Qt Designer

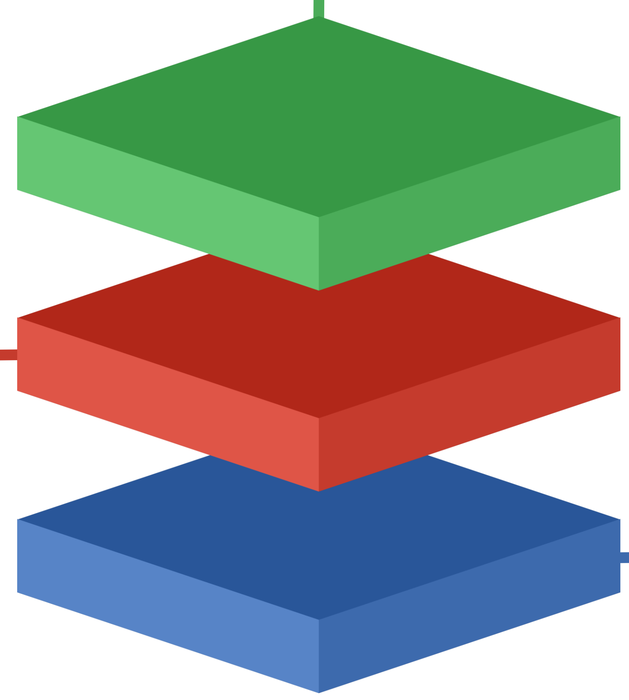


- Harness the Qt software platform to deploy native applications to all major operating systems
- Use Workspace's packaging system to generate package installers for end users
- Workspace's license allows you to freely distribute software or commercialise it for industry



Workflows

- Use the Workspace Editor to construct arbitrary workflows by drag and drop
- View and change data in your workflow as it is executing
- Utilise Workspace's inbuilt operations, data types and interactive widgets
- Workspace's smart execution engine executes only the parts of a workflow that need to
- Use Workspace Diff to track workflow changes made by your team



Plugins

- Developers can extend Workspace through its plugin system
- Workspace code generator wizards allows you to write your extensions fast
- Extend any part of Workspace; operations, data types or interactive widgets
- Freely share or commercialise your plugin
- Integrate any third party libraries into the Workspace environment

pcl

OpenCV

FOR FURTHER INFORMATION

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