

Testing and Fine-Tuning Dataset Applications

Tools for Editors and Developers

Although ordinary users can explore and visualize dsC data sets “Out of the Box,” more advanced users have many options for customizing their build of the application in terms of their academic or editorial roles and available third-party code libraries. These fine-tuning possibilities include:

Test Suites Tools for creating and/or running test suites to ensure that the Dataset Application works across platforms.

Data Export Tools for reusing data in other projects.

External Libraries Some features like XPDF and 3D graphics require libraries which are external dependencies (they cannot be published in source code form within the data set code). Advanced users can select which of these libraries to incorporate into their version of the Dataset Application.

Scripting Data sets can compile their own scripting environment to automate testing and manipulation of research data.

Networking Dataset Applications can use an embedded TCP server to communicate with other applications, enabling multi-application workflows (this is also how testing is implemented).