



Technical Note

License Usage

Issue 2.0



This Technical Note provides information on what types of user licensing are available for Cantata, what the license controls, and how to plan for your licensing requirements.

This document is not intended to be used as a replacement for the manuals and other documentation supplied with Cantata. In particular the Installation Guide provides information on setting up Cantata licensing for your environment.

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1 Licenses Types

Each version of Cantata is licensed per unique user (seat). A current version Cantata license permits use of all previous version of Cantata from 5.3.1 upwards.

User licenses are not restricted by operating system and permit use of Cantata on any of the supported host platforms.

Cantata user licenses available as follows:

Type	User Availability	License file locked to
Floating	Network ^{1,2}	Sentinel Locking Code (a combination of MAC address + disk serial + host name)
Fixed	Single machine ²	Sentinel Locking Code (a combination of MAC address + disk serial + host name)

Notes:

1. Network means a client on any supported host platform which can connect to a license server on any supported host platform over a Local Area Network (LAN) or Wide Area Network (WAN).
2. Geographic limitations on the use of the license will also be defined within the licence file as "Permitted Use Location".

2 License Use

2.1 What uses a license

A Cantata user license is locked out to a unique user for any of the following use cases:

- > Parsing of the source code (building a project with Cantata enabled)
- > Generation of a Cantata test script
- > Building (compiling and linking) of a Cantata test executable
- > Instrumenting source code (e.g. for code coverage or white-box accessibility)
- > Generating static analysis metrics on source code
- > Use of Cantata Team Reporting (if that add-on license feature is enabled)
- > Whenever Cantata data is loaded for a project to perform Cantata actions on the code or tests, or to display information about them (data is loaded into Cantata views automatically when tests are executed)

Whenever any of the above use cases invoke a Cantata user license, the license is locked to that unique user for the duration of its use, and thereafter for a 5 minute linger time prior to being automatically released. How long a Cantata license user is locked out to a unique user will depend on the duration of the use case. A Cantata user license enables each unique user to simultaneously perform any of the above actions.

2.2 Releasing a license

When Cantata data is not being used (e.g. diagnostic results being analysed), it is possible to release the unique user lock on a user license without closing the Eclipse UI by:

- > Unloading all project data from Cantata Views (using the Cantata Data Manager View > Load/Unload option for each project). Closing all diagnostic Cantata Views in the UI will prevent project data from being automatically reloaded.
- > Using the Help > Cantata > Release Licence option.
- > Using the Cantata > Actions > Release Licence option

Any of the above will release the user license after the 5 minute linger.

2.3 What does not use a license

A Cantata user license is not locked out to a unique user for any of the following use cases:

- > Setting Cantata workspace preferences in the Window menu
- > Editing a Cantata test script or options file using a text editor
- > Downloading or running a built Cantata test executable on a host or target platform
- > Reviewing ASCII, XML or HTML test results files

3 Planning License Requirements

Each organisation is different in the way it uses Cantata. Several variables will influence the number of Cantata user licenses which may be required to support your testing efforts, including:

- > The level of testing (e.g. creating unit & integration Cantata tests, or just instrumenting the code for coverage analysis on system tests)
- > How long it takes to build the code under test
- > Whether your developers are fixing code while testing it or just solidly testing
- > How much time the users spend in Cantata diagnostic views
- > How conscious of license sharing your testers are
- > Your continuous integration / regression test strategy (frequency existing tests are re-run)

Your supplier will be pleased to discuss your potential licencing requirements with you.

4 License User Documentation

For information on setting up Cantata license servers, please refer to the Cantata Installation Guide in the Docs directory of the Cantata installation.

For information on using the Sentinel RMS license (including logging of license use), please refer to the Sentinel HTML documentation installed in the Docs/Sentinel directory of the Cantata installation.