Introductory Remarks

**What does Intel(R) Inspector XE provide?**

Intel Inspector supports the programmer in identifying and localizing problems within serial and thread-parallel code. The tool subsumes the threading correctness checking functionality of the earlier product "Thread Checker", but in addition also supports memory usage and leak detection.

**Inspector XE availability on LRZ's HPC platforms**

Intel Inspector is provided on all HPC systems at LRZ.

If you encounter any difficulties with the LRZ-specific installations, please contact the LRZ Service Desk for help.

**How to use Inspector XE**

Before calling the tool either via the command line interface (command `inspxe-cl`) or the GUI (command `inspxe-gui`), please type the following command:

    module load inspector_xe

The GUI allows you to build analysis projects, specify an executable as well as various parameters for execution and analysis modes. Please consult the documentation referenced below for a description of the many options this tool offers. Also note that the usage of this tool is rather different from that of the previously available Threading Tools.

**Documentation**

- The documentation for Intel Inspector is available on the systems via the environment variable `$INSPECTOR_XE_DOC`. This includes tutorial material.
- Manual pages for the commands can be consulted when running with the GUI.
- [Intel Inspector XE for Linux](http://www.intel.com) (on Intel's web site)