

NTv2Tools - Toolbox for NTv2 files

Language / Sprache

If you prefer to read in German language, please use the **Liesmich.pdf** file!

Wenn Sie lieber in Deutscher Sprache lesen möchten, benutzen Sie bitte die Datei **Liesmich.pdf**!

Helpful links

https://www.killetsoft.de/bestell/ntt_be_e.htm

https://www.killetsoft.de/s_prei_e.htm

https://www.killetsoft.de/h_prod_e.htm

Online order form with current prices

Printable order form and current price list

Overview of the software distributed by KilletSoft

Content

Program description

Installation at workplace and on network

NTv2 Toolbox for developing and processing of NTv2 files

The NTv2 (National Transformation Version 2) file standard was developed by the "Department of Natural Resources of Canada" in the middle nineties. Using NTv2 grid files it is possible to transform points from one coordinate reference system to another with very high accuracy. An NTv2 file contains one or more quasi-rectangular coordinate grids which are defined in the NTv2 headers. The program NTv2Tools provides digital tools for analyzing, developing and processing NTv2 files in binary and ASCII formats.

NTv2Tools analyzes NTv2 files and outputs detailed information on the screen, in graphics files and in text files. The analyzes include the textual representation of the NTv2 header and all grid headers, the graphical representation of all NTv2 grids, the graphical representation of the NTv2 activity scopes including the Polygonal Validity Scopes and the graphical representation of the shift ranges and shift directions.

The program allows conversions between the binary and ASCII formatted variants of the NTv2 files. Furthermore, areas with all contained grids can be extracted from NTv2 files and swapped out to new NTv2 files. This resolves the known issues with oversized NTv2 files. For the export and import of NTv2-grids are further tools available in the program NTv2Tools. Single grids of an NTv2 file can be exported to a new NTv2 file, and single grids of an NTv2 file can be imported into an existing NTv2 file.

The network able program NTv2Tools is equipped with an up-to-date graphic user surface which handling can be understood intuitively. For each window detailed help texts can be shown. The program has user-selectable interfaces in English and German language and comes with extensive bi-language online help.

Installer program ntv2tools_setup.exe

The program NTv2Tools is stored in a directory of a data carrier or is downloadable from the internet. In order to be able to use the program, it must be installed first.

The installation can be executed under Microsoft Windows 2000, NT, XP, VISTA, 7, 8, 10 and compatible operating systems. The program runs with 32 bit and 64 bit operating systems.

Installation from a data carrier: Navigate to the NTv2Tools directory on the data carrier. Click on the installer program ntv2tools_setup.exe. The installation will start. Follow the instructions of the installer.

Installation from a ZIP file: After the download from the Internet or after copied from an email attachment use a ZIP decompression utility to decompress the ZIP file in a folder of your choice. In that folder locate the installer program ntv2tools_setup.exe and click it. The installation will start. Follow the instructions of the installer

Local installation on a workstation

The local installation on a workstation should be performed by a user, who must have write, read and execute rights for the installation directory. The installation directory should be a local directory on the workstation.

Examples:

c:\applications\ntv2tools

c:\programs\ntv2tools

In the installation directory automatically three subdirectories with then names "ProgData", "UserData" and "Info" will be created.

Example:

```
c:\applications\ntv2tools\ProgData
c:\applications\ntv2tools\UserData
c:\applications\ntv2tools\Info
```

The directories have the following contents:

ntv2tools:	Executables and DLLs
ntv2tools\ProgData:	Program data files for which reading access is necessary.
ntv2tools\UserData:	Test data for which reading access is necessary.
ntv2tools\Info:	ReadMe, history and info files and order form.

After finishing the installation on the workstation desktop a program icon as shortcut to the program NTv2Tools is available. The program can also be started directly from the installation directory by clicking on the program entry in WINDOWS Explorer.

Automatic creation of the data directory

The first time NTv2Tools is started, it will create a subdirectory "ntv2tools" under the directory referred to the systems environment variable "APPDATA". In this directory the user specific data will be written by the program. In a subdirectory "UserData" the user-generated files are stored as default. Here the supplied test data can be found.

Example:

```
c:\Users\fred\AppData\Roaming\ntv2tools
c:\Users\fred\AppData\Roaming\ntv2tools\UserData
```

with the content of the environment variable APPDATA:

```
c:\Users\fred\AppData\Roaming
```

The directories on the workstation have the following contents:

ntv2tools:	From the program needed files with user-relevant data, for which write access is required.
ntv2tools\UserData:	Test data and user-generated files, for which write access is required.

Network installation

Network installation should be performed by a network administrator, who must have write, read and execute rights for the installation directory. The network installation differs from the local installation only in that way, that the installation directory is on a network drive instead of a local drive.

Examples:

```
h:\applications\ntv2tools
```

or in network syntax:

```
\\allusers\applications\ntv2tools
```

In the installation directory automatically three subdirectories with then names "ProgData", "UserData" and "Info" will be created.

Examples:

```
h:\applications\ntv2tools\ProgData
h:\applications\ntv2tools\UserData
h:\applications\ntv2tools\Info
```

or in network syntax:

```
\\allusers\applications\ntv2tools\ProgData
\\allusers\applications\ntv2tools\UserData
\\allusers\applications\ntv2tools\Info
```

The directories have the following contents:

ntv2tools:	Executables and DLLs
ntv2tools\ProgData:	Program data files for which reading and writing access is necessary.
ntv2tools\UserData:	Test data for which reading access is necessary.
ntv2tools\Info:	ReadMe, history and Info files and order form.

After the network installation is finished the network administrator must start the NTv2Tools program from a workstation for the first time, so that the program performs the necessary initializations. An additional installation on the workstations is not necessary!

Now it is possible to paste the NTv2Tools program icon as shortcuts to the workstation desktops for starting the

program. The program can also be started directly from the network installation directory by clicking on the program entry in WINDOWS Explorer.

Automatic client installation

When the network installation of the NTv2Tools program is complete, the users can start it from their workstations. The first time NTv2Tools is started from a workstation, it will create a subdirectory "ntv2tools" under the directory referred to the systems environment variable "APPDATA". In this directory subdirectories will be created and the user specific data will be written to it. This behavior makes possible to use Terminal Services on WINDOWS Servers like e.g. "Citrix Terminal Server". In a subdirectory "UserData" the user-generated files are stored as default. Here the supplied test data can be found.

Example:

c:\Users\fred\AppData\Roaming\ntv2tools
c:\Users\fred\AppData\Roaming\ntv2tools\UserData

with the content of the environment variable APPDATA:

c:\Users\fred\AppData\Roaming

The directories on the workstation have the following contents:

ntv2tools:	From the program needed files with user-relevant data, for which write access is required.
ntv2tools\UserData:	Test data and user-generated files, for which write access is required.

Uninstallation

In the NTv2Tools start menu an icon is available for the complete uninstallation of the program.

Help

The help file contains global information to the program in form of an program intern electronic manual. The English or German language help can be called from the NTv2Tools start menu or from the menu item "help" while the program is running.

Unlocking

Please read information for the use of the free, but restricted test version and for the transfer of the test version into the unrestricted full version in the electronic manual.

Price list

Prices and a purchase order form for the order of the unrestricted full version of the program you will find in the NTv2Tools start menu or during the program is running under the menu item "help".

Killet GeoSoftware Ing.-GbR

**Escheln 28a
47906 Kempen
Germany**

Phone: +49 (0)2152 961127

Telefax: +49 (0)2152 961128

Email: <https://www.killetsoft.de/email.htm>

Internet: <https://www.killetsoft.de>