

# NTv2Poly - Polygonal Validity Scopes

## 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/ntp\\_be\\_e.htm](https://www.killetsoft.de/bestell/ntp_be_e.htm)

[https://www.killetsoft.de/s\\_prei\\_e.htm](https://www.killetsoft.de/s_prei_e.htm)

[https://www.killetsoft.de/h\\_prod\\_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

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## Inserting Polygonal Validity Scopes into any NTv2 Binary Files using Outlines from Shape Files

By means of 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. Instead of a rectangular area only an embedded polygonal area should and must be covered, for example, a state territory within the country borders.

The program NTv2Poly realizes the Polygonal Validity Scope in NTv2 files. Coordinates outside the scope can then be excluded from calculations using the KilletSoft products TRANSDAT and GeoDLL and other GIS software, or be acknowledged by a warning.

The polygonal scope is realized with a shape file that contains the outlines of the scope as polygons. This can be, for example, the border outline of a country for the Polygonal Validity Scopes in the NTv2 file used in that county.

The network able program NTv2Poly 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 ntv2poly\_setup.exe

The program NTv2Poly is stored in a directory of a CD ROM or on an other 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, 11 and compatible operating systems. The program runs with 32 bit and 64 bit operating systems.

Installation from CD-ROM: Insert the CD-ROM in the CD-ROM drive. Start the WINDOWS Explorer. Navigate to the *NTv2Poly* directory on the CD-ROM. Click on the installer program *ntv2poly\_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 *ntv2poly\_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\ntv2poly

c:\programs\ntv2poly

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

Example:

c:\applications\ntv2poly\ProgData

c:\applications\ntv2poly\UserData

c:\applications\ntv2poly\Info

The directories have the following contents:

ntv2poly:	Executables and DLLs
ntv2poly\ProgData:	Program data files for which reading access is necessary.
ntv2poly\UserData:	Test data for which reading access is necessary.
ntv2poly\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 NTv2Poly 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 NTv2Poly is started, it will create a subdirectory "ntv2poly" 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\ntv2poly  
c:\Users\fred\AppData\Roaming\ntv2poly\UserData

with the content of the environment variable APPDATA:

c:\Users\fred\AppData\Roaming

The directories on the workstation have the following contents:

ntv2poly:	From the program needed files with user-relevant data, for which write access is required.
ntv2poly\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\ntv2poly

or in network syntax:

\\allusers\applications\ntv2poly

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

Examples:

h:\applications\ntv2poly\ProgData

h:\applications\ntv2poly\UserData

h:\applications\ntv2poly\Info

or in network syntax:

\\allusers\applications\ntv2poly\ProgData

\\allusers\applications\ntv2poly\UserData

\\allusers\applications\ntv2poly\Info

The directories have the following contents:

ntv2poly:	Executables and DLLs
ntv2poly\ProgData:	Program data files for which reading and writing access is necessary.
ntv2poly\UserData:	Test data for which reading access is necessary.
ntv2poly\Info:	ReadMe, history and Info files and order form.

After the network installation is finished the network administrator must start the NTv2Poly 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 NTv2Poly 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 NTv2Poly program is complete, the users can start it from their workstations.

The first time NTv2Poly is started from a workstation, it will create a subdirectory "ntv2poly" 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\ntv2poly

c:\Users\fred\AppData\Roaming\ntv2poly\UserData

with the content of the environment variable APPDATA:

c:\Users\fred\AppData\Roaming

The directories on the workstation have the following contents:

ntv2poly: From the program needed files with user-relevant data, for which write access is required.

ntv2poly\UserData: Test data and user-generated files, for which write access is required.

## **Uninstallation**

In the NTv2Poly 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 NTv2Poly 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 NTv2Poly start menu or during the program is running under the menu item "help".

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