

MIZ_RML Utility

(brought to you by kuschmu)

A simple utility to remove the entries of the Required Modules List (RML) as part of a DCS World mission (*.miz file).

The RML of a DCS mission is populated as soon as a DCS-external module (mod) is added to a DCS mission within the DCS Mission Editor. Each entry in the RML shall restrict access to the mission for clients, which do not have the respective mod installed. This is because DCS does neither a priori know of the mod's appearance nor of its other properties.

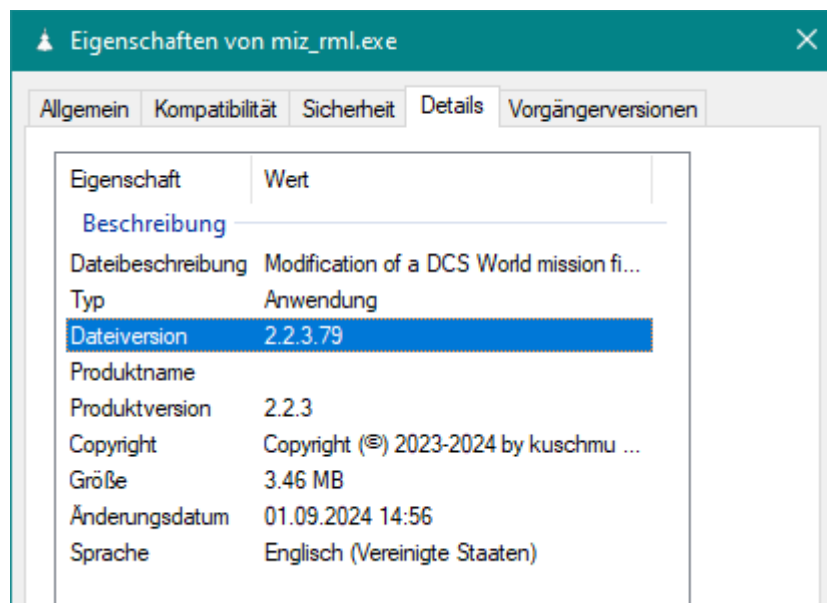
However, to grant any client access to a mission containing DCS modules and also external mods, the entries of the RML need to be 'removed'. Then also clients without mods can join such a mission, whereas they can anyway only utilize the modules/mods, which they have installed.

IMPORTANT: This utility **requires** the **7-Zip** tool for automatic un-zipping and re-zipping. You may already have the tool installed, otherwise you can download/install it from here:

<https://www.7-zip.org/>.

You can also use the portable version from the portableapps web site:

https://portableapps.com/apps/utilities/7-zip_portable.



For detailed instructions refer to the [Help] entry of the utility's main menu bar.

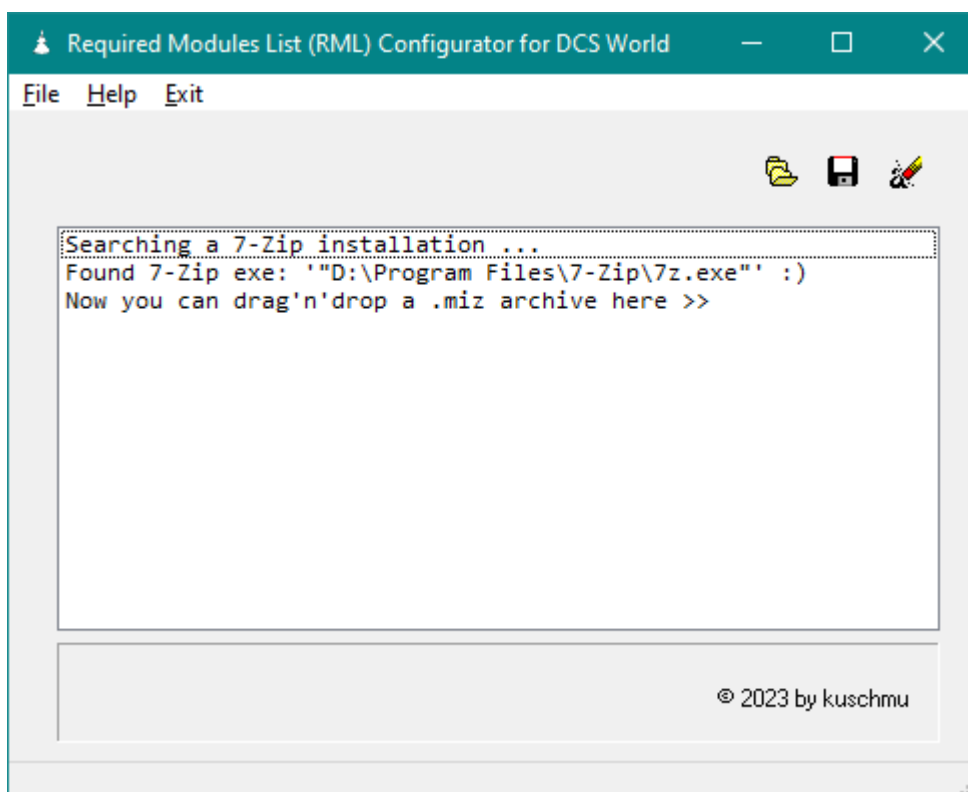
Take note that the screenshots shown below may not present the latest state of the utility and shall only provide general directions.

Before using the the **MIZ_RML** utility, verify that the 7-Zip tool is available on your computer, either as a standard installation or as a portable version.

After a standard installation, be sure to restart your computer.

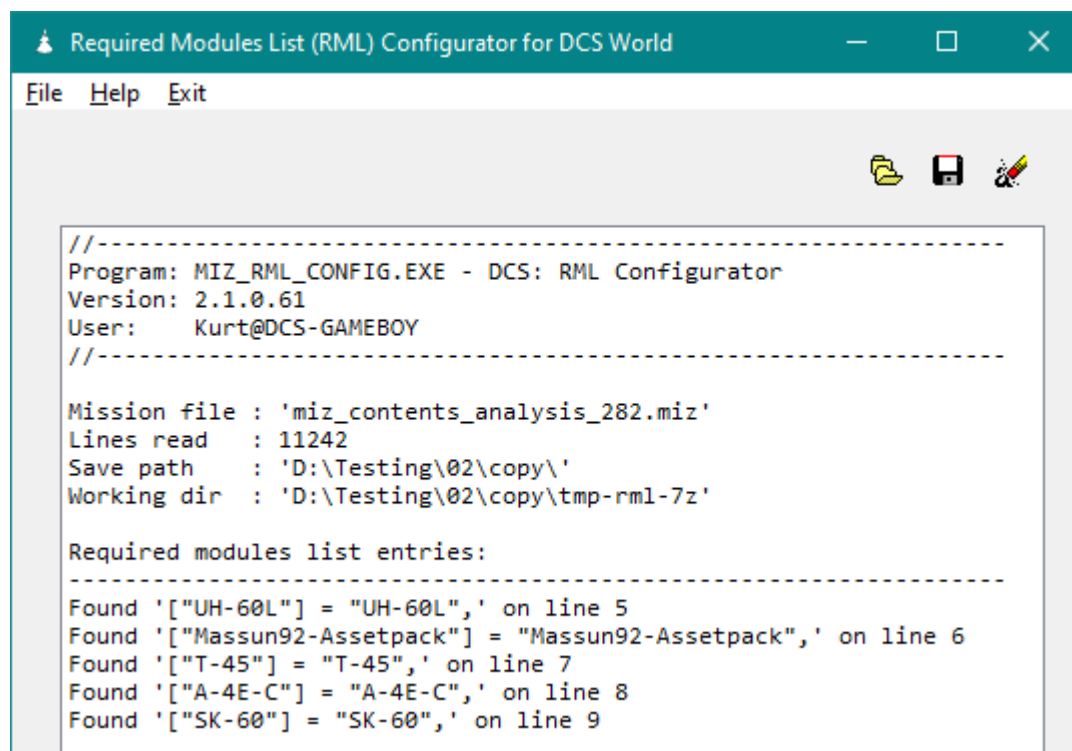
How-To with a Standard 7-Zip Installation

1. Start the **MIZ_RML** utility. With a 7-Zip installation the main form will directly pop up as shown below.

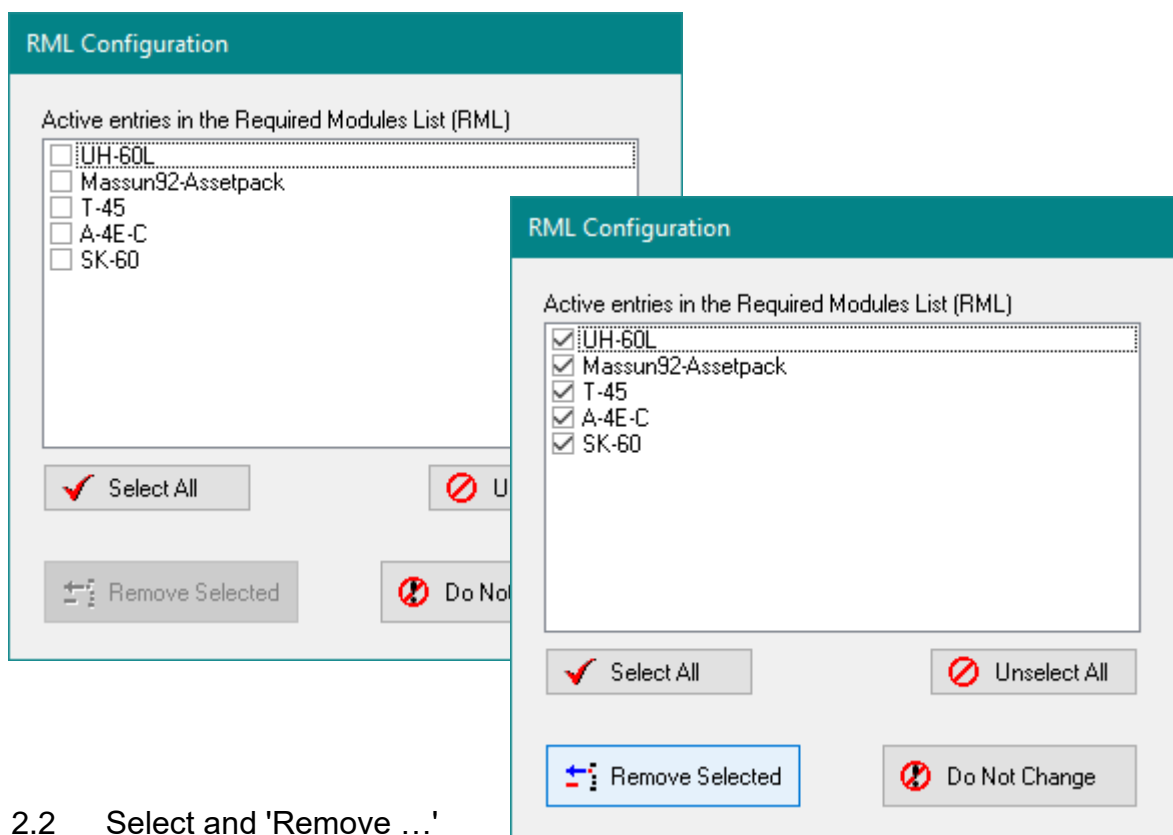


If you don't want the standard 7-Zip installation then refer to the [How-To with a 7-Zip Portable](#) on page 7.

2. Drag'n'Drop a mission file (*.miz) onto the utility's form ...

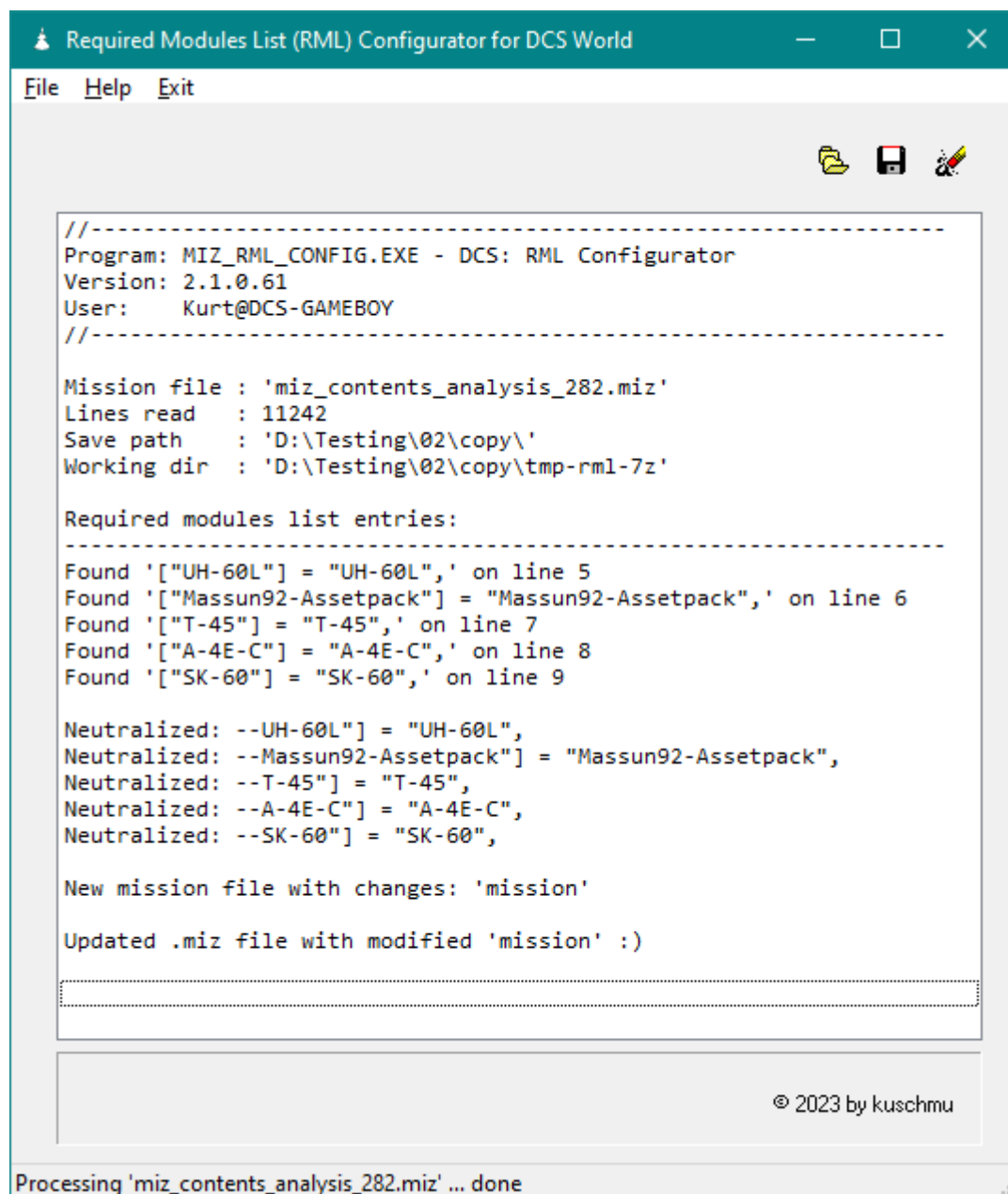


- 2.1 Any active external mods are listed in the RML Configuration form:



- 2.2 Select and 'Remove ...'

2.3 Result: Updated .miz File



The screenshot shows the 'Required Modules List (RML) Configurator for DCS World' application window. The window has a title bar with standard Windows controls and a menu bar with 'File', 'Help', and 'Exit'. The main area displays a text-based interface with the following content:

```
//-----  
Program: MIZ_RML_CONFIG.EXE - DCS: RML Configurator  
Version: 2.1.0.61  
User: Kurt@DCS-GAMEBOY  
//-----  
  
Mission file : 'miz_contents_analysis_282.miz'  
Lines read : 11242  
Save path : 'D:\Testing\02\copy\  
Working dir : 'D:\Testing\02\copy\tmp-rml-7z'  
  
Required modules list entries:  
-----  
Found '['UH-60L'] = "UH-60L",' on line 5  
Found '['Massun92-Assetpack'] = "Massun92-Assetpack",' on line 6  
Found '['T-45'] = "T-45",' on line 7  
Found '['A-4E-C'] = "A-4E-C",' on line 8  
Found '['SK-60'] = "SK-60",' on line 9  
  
Neutralized: --UH-60L"] = "UH-60L",  
Neutralized: --Massun92-Assetpack"] = "Massun92-Assetpack",  
Neutralized: --T-45"] = "T-45",  
Neutralized: --A-4E-C"] = "A-4E-C",  
Neutralized: --SK-60"] = "SK-60",  
  
New mission file with changes: 'mission'  
  
Updated .miz file with modified 'mission' :)  
  
-----  
  
© 2023 by kuschmu  
  
Processing 'miz_contents_analysis_282.miz' ... done
```

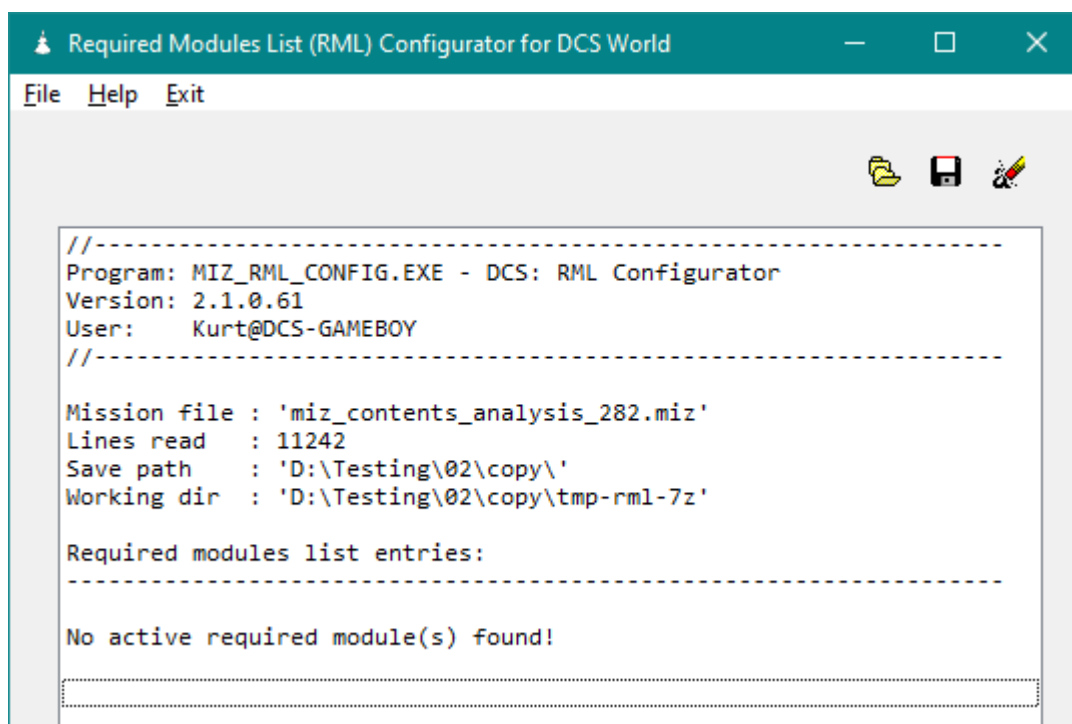
Note:

If a found entry starts with a double-dash (--), instead of a square bracket & quotation mark ([]), e.g. `--UH-60L"] = "UH-60L"`, then this module is already 'removed/deactivated' and is not available for removal.

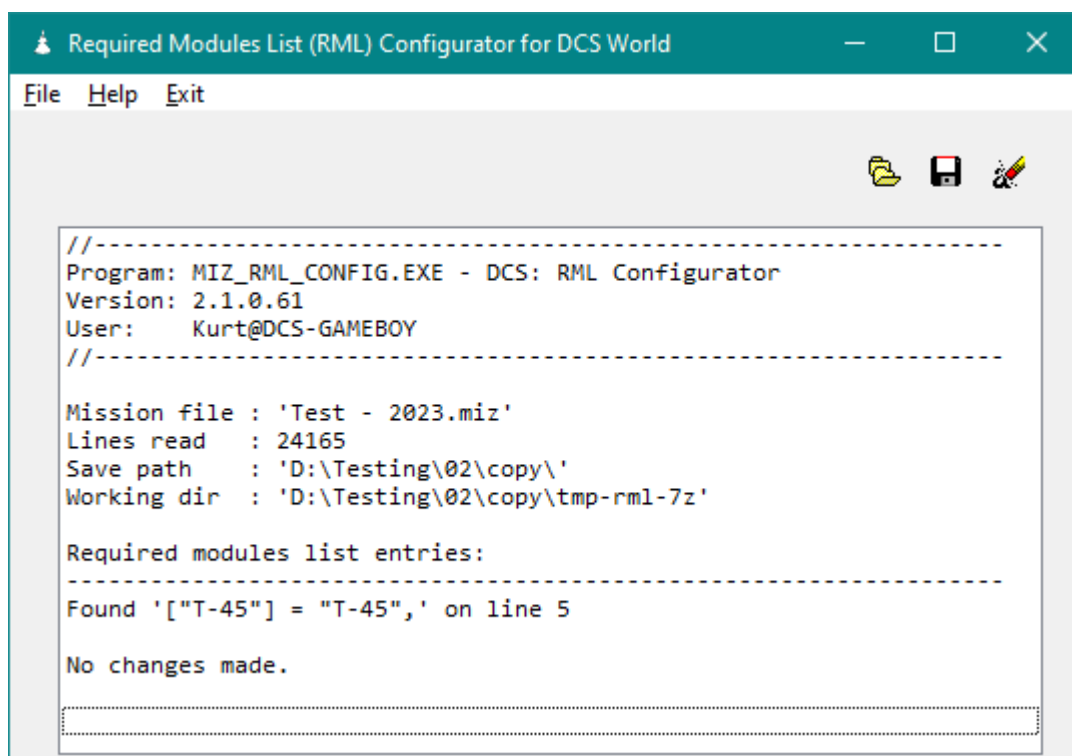
If modifications are applied, then also a backup of the original mission file is created which you can revert to, by renaming the '.date_time' extension back to '.miz'.

3. Repeat step 2 for any other .miz mission file .
4. When finished, close the **MIZ_RML** utility.

If a .miz file does not contain any active mods in the mission, then no further processing will take place.

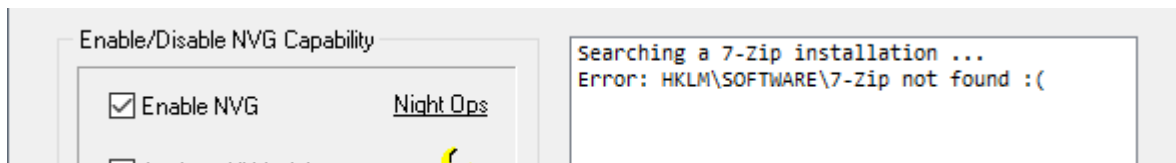


Selecting 'Do Not Change' in the RML Configuration form will also cancel any further processing.



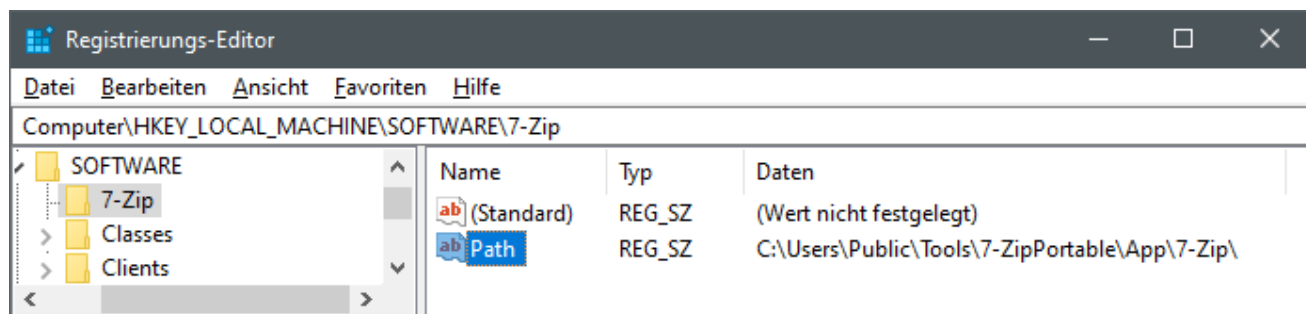
How-To with a 7-Zip Portable Version

If you don't have a 7-Zip installation then you should also have no according entry in the registry and therefore an error message may occur as shown below.

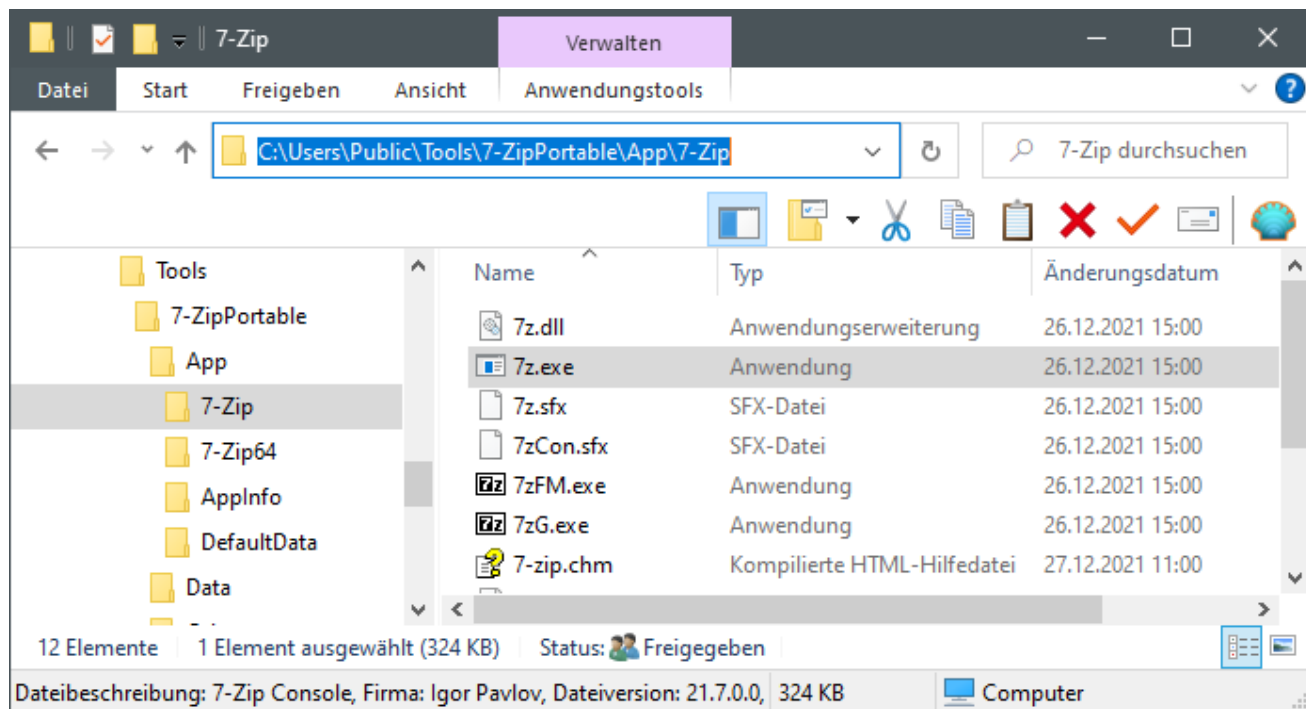


So, either perform a standard 7-Zip installation (which is recommended from my part) or, if you want to work with the 7-Zip Portable version, set up a dedicated registry key to define the **Path** to your portable **7z.exe** (see below). Be sure to include a final back-slash in the **Path** definition of the registry key.

Note: Modification of the registry requires admin rights, only apply if you are sure what you are doing!



Get the path to the **7z.exe** from the proper subfolder of your portable version, e.g. as shown below.



If you prefer, you could set the Path to the 7-Zip64 folder instead.