

Illegal Instruction error after the WebSpellChecker installation 5.20.0.0+

Problem

You installed WebSpellChecker Server software, but it does not work and you noticed the 'Exception: Illegal Instruction' error in the Logs files. These files are located in the /<WSC_Installation_Path>/WSC/AppServer/Logs directory. Below is an example of the mentioned error:

	09/12/22:00:00:16.332	#12786:0	Subsystem_General	Error	Illegal Instruction
	09/12/22:00:01:16.332	#12786:0	Subsystem_General	Fatal	Caught a signal: Illegal Instruction

Reason

The main reason why you received this error, might be that your server does not support [AVX2/AVX512 \(Advanced Vector Extensions\) instructions](#) that are required to load AI-based engines* and autocomplete functionality that is also based on them.

 *The WebSpellChecker AI engine was built using modern approaches in Natural Language Processing (NLP). It is based on the huge pre-trained language model. Thus, its accuracy is higher compared with our classic rule-based engines.

Solution

Option #1. Change the server for the WebSpellChecker installation to the one which supports the AVX2/AVX512 instructions and reinstall the software from scratch.

Option #2. If changing the server isn't an option, you can reinstall the software and not choose AI-based languages and autocomplete functionality:

- [Reinstall the WebSpellChecker software.](#)
- In **Step 6. Select AI-based languages**, where you choose which AI-based models to use, do not press Enter as the default installation will be applied, but choose **0 (None)**. This is important because by pressing Enter the default values (1,2) will be chosen which are AI-based English and AI-based autocomplete functionality for English. When you choose 0 (None) the AI-based languages or autocomplete functionality will not be installed.

Step 6. Select AI-based languages.

- 0. None
- 1. English grammar
- 2. English autocomplete
- 3. German grammar
- 4. Spanish grammar
- 5. Select all

Specify your choice using comma as separator [1,2]: 0

 If you use [automated installing WebSpellChecker on Linux](#) specify `languages_to_install=0` in order not to set up AI-based languages and autocomplete functionality.