TRADES Tool

Installation Guide

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1. Introduction

1.1. Purpose

TRADES Tool is a model-based tool for threat modeling and design of systems security aspects, relaying on the TRADES (Threat and Risk Assessment for the Design of Engineered Systemes) methodology.

With TRADES, you can create your system's digital twin from a security perspective and assess the system's risk level throughout the system life cycle.

In this guide, you will find how to download, install and start using the TRADES tool.

1.2. Identification

This guide is applicable for TRADES 2.5.0 or later.

1.3. Reference information

All relevant documents, versions, and source-code can be found on the TRADES GIT.

For background on the TRADES methodology please see:

Shaked, A. and Reich, Y. 2021. Model-based Threat and Risk Assessment for Systems Design. In Proceedings of the 7th International Conference on Information Systems Security and Policy.

1.4. Contact Information

Any questions, comments or requests with respect to the documentation can be submitted by email to tcohen3@Elta.co.il.

2. Installation Manual

2.1. Pre-requisites

There are no pre-requisites for the installation.

2.2. Download

The latest TRADES version can be download from the releases section of the TRADES Tool Github repository.
On the assets tab, chose the relevant operating system and download the zip file.

2.3. Install procedure

Unzip the downloaded file (preferably using 7zip).

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3. Start modeling

3.1. Running TRADES Tool

1. In the extracted folder, run trades.exe.
2. Workspace location selection will be open. The workspace is where the data of your projects will be saved.
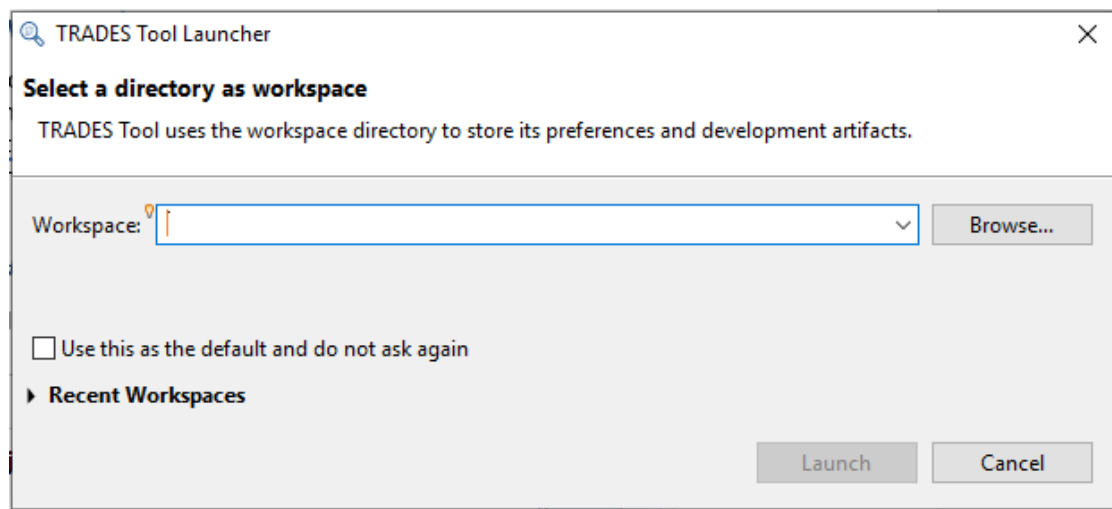   Browse the location and click "Launch".

Figure 1: Select a directory as a workspace

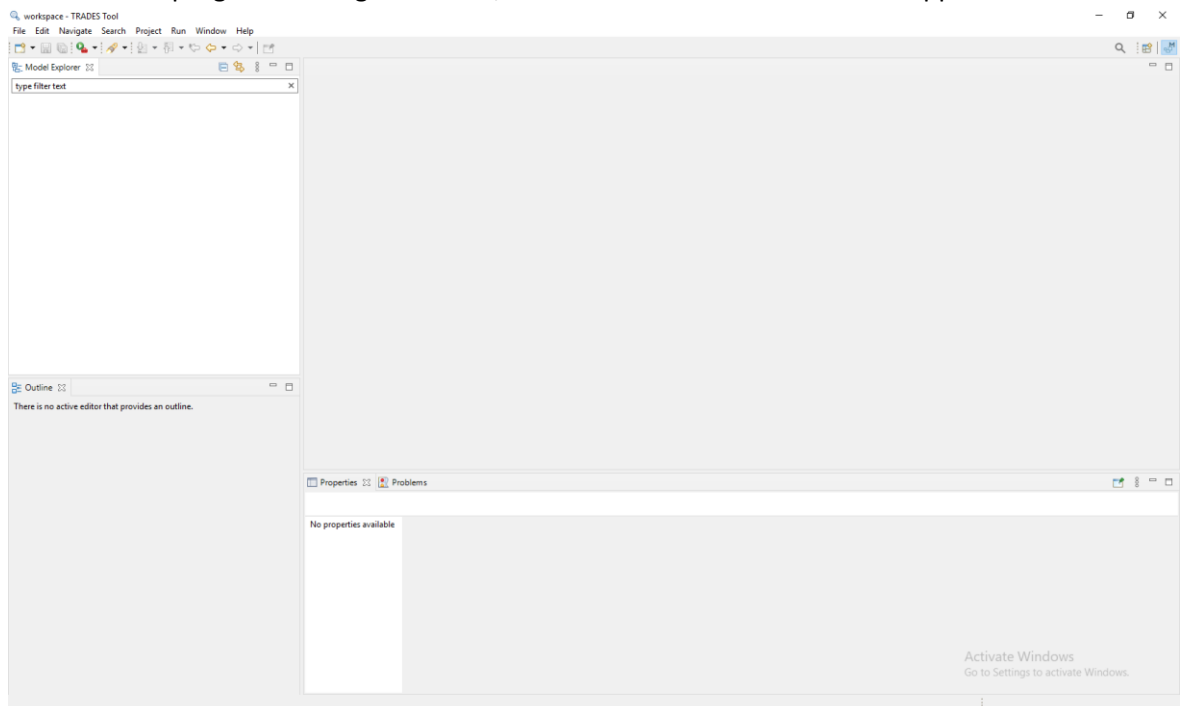3. After the program loading is finished, thr TRADES Tool main screen will appear.

Figure 2: TRADES main screen

3.2. Create new project

4. Right-click on the model explorer (left screen section by default) to create a new TRADE project.
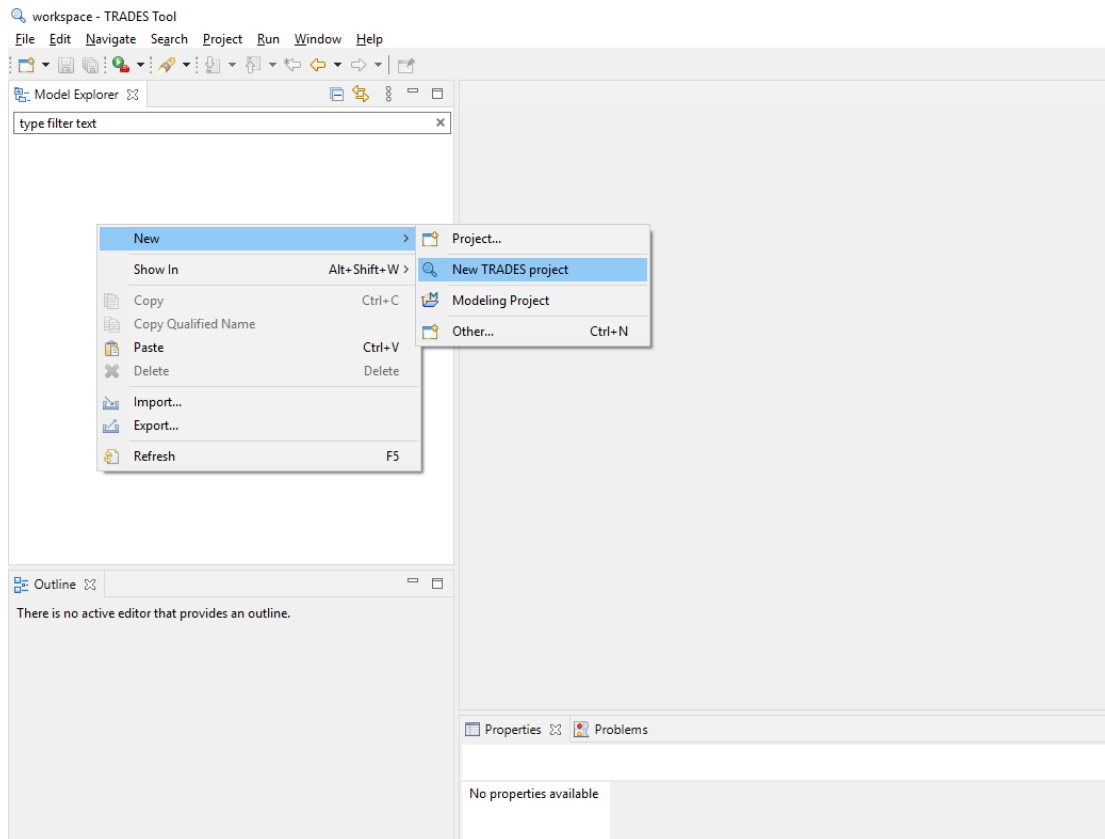

Figure 3: Creation of a new TRADES project
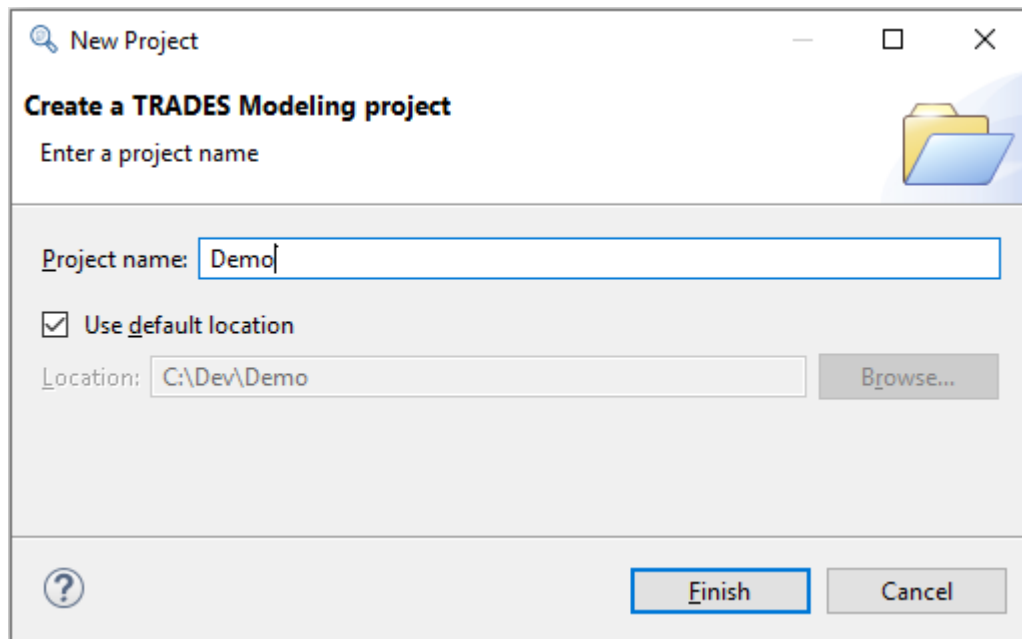
5. Enter the project name and click "Finish".

Figure 4: Set new project name

6. The new project should be available in the "Model Explorer" window section.
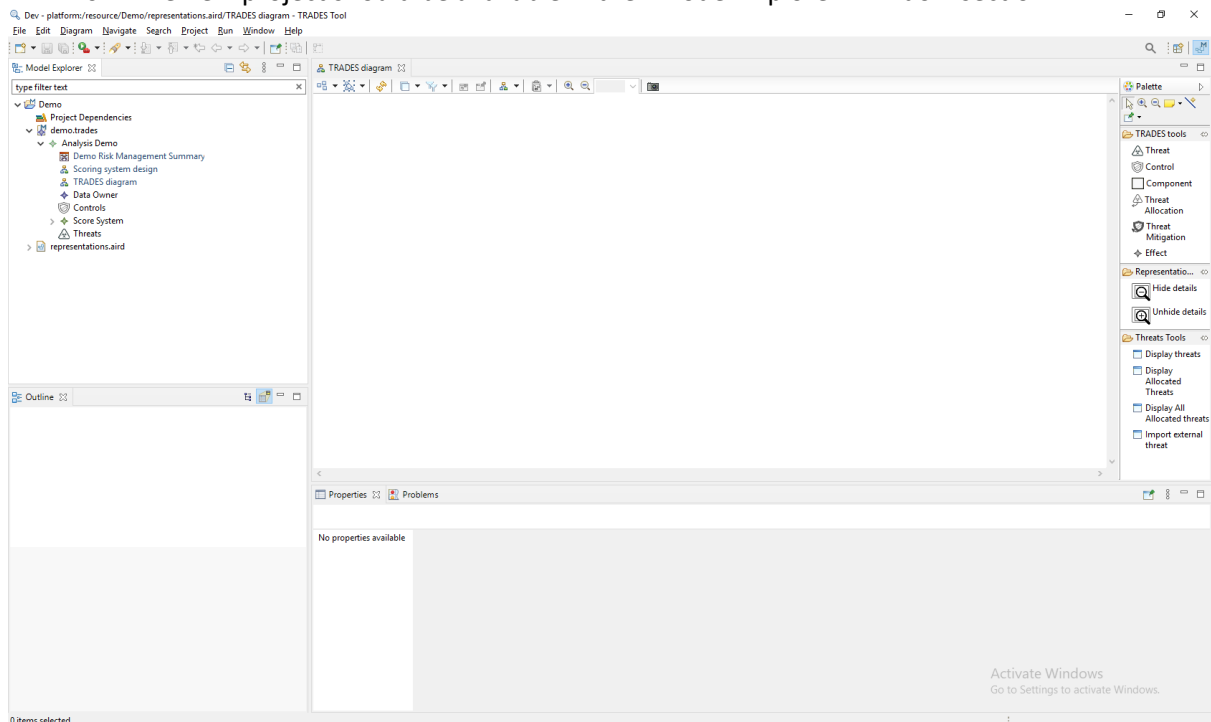

Figure 5: TRADES model ready for modeling

You are now ready to use TRADES.

4. Modeling with TRADES Tool

Please see the [presentation available in the TRADES Tool repository](#) for a detailed, step by step introduction to modeling with TRADES Tool.

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