

Artifact: Quality Models Inside Out

How to use the Artifact

Please download the file `VisSoft2018.7z` from this same folder and extract it using a compatible application, such as *7Zip*. The file contains an *Oracle VirtualBox* virtual machine.

- Run the virtual machine using Oracle VirtualBox
 - Recommended hardware:
 - * 4 or more virtual CPUs
 - * Minimum 2 GB of ram, 4 GB are recommended.
 - * Enable hardware acceleration for 2D/3D if available and increase the memory of the virtual display adapter to the maximum allowed value.
 - * If possible use the minimum recommended resolution of 1280x1024.
- After boot, log in with the user *VisSoft2018* (`vs18`) by clicking on it.
 - This user has no password.
 - Should you require root-access, the password for root is *vissoft2018*.
- On the desktop, find the shortcut called `Launch_VisSoft2018_Artifact` and launch it.
 - It may take a while for it to launch. Please be patient and **do not** launch it again.
 - This launcher will automatically open the Chromium web browser.
 - You can safely ignore requests to any key-rings from the operating system.

Data bundled with the Artifact

All the data that was used for the use-case evaluation in the paper was packed into the virtual machine. These datasets are available:

- *Default*: `default.csv` and `default-model.json` that contain the document-metrics based dataset (anonymized).
- *Default Software*: `default_software.csv` and `default_software-model.json` that contain metrics collected from a *JUnit*-snapshot and a very basic quality model.
- *Engineered Software*: Uses the same data as *default software*, but features the enhanced and manually engineered quality model `default_software-model-engineered.json`.