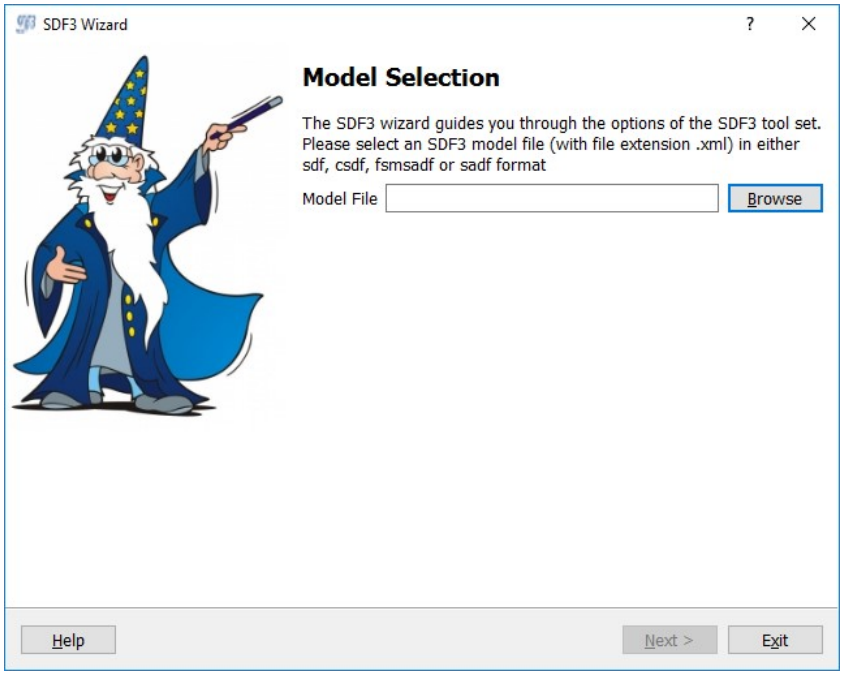
SDF3 Wizard

- Simple GUI around SDF3 command-line tools
  - Guides user in creating valid SDF3 commands
  - Executes SDF3 commands by calling SDF3 command-line tools
  - Pre-compiled packages available for Windows, Linux (and MacOS)
    - SDF3 is however not yet available for MacOS...
  - Sources available under LGPLv3



- Supports SDF, CSDF, SADF and FSM-SADF file formats
  - Supports Analysis, Transformation (with same file format), Conversion (between file formats), Verification and Print (non-SDF3 file formats)
  - Flow (MPSoC mapping) and Generate (model generation) tools are not covered

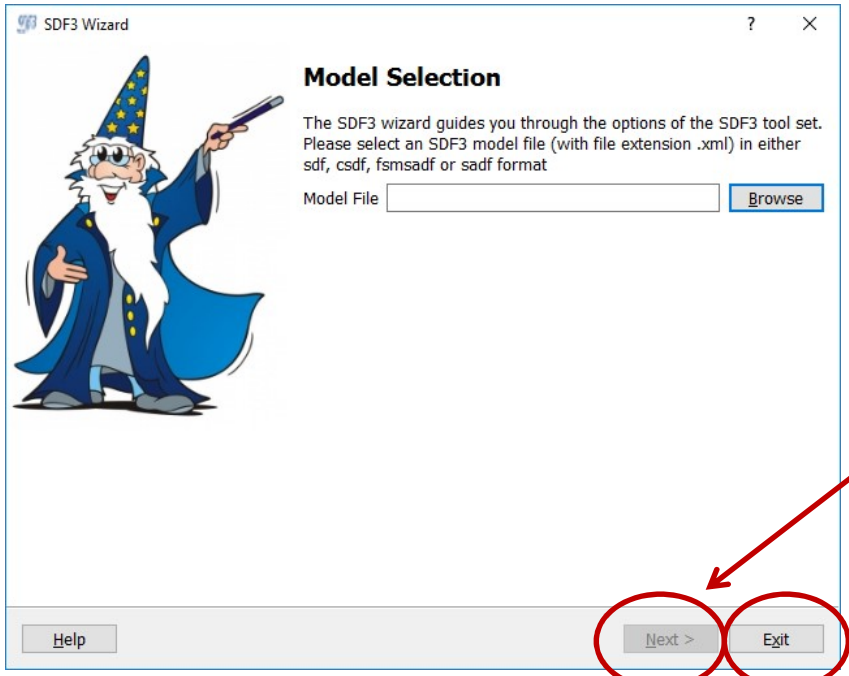
Installation & Use

- Unzip .zip archive at a preferred location XXX
  - Windows
    - Double click on sdf3wizard.exe at location XXX
  - Linux
    - Execute ./run.sh from command prompt at location XXX
  - MacOS
    - Double click on application bundle (sdf3wizard.app)

- Note: SDF3 Wizard will use XXX as default output location when executing an SDF3 command that involves creating files

Model Selection

- SDF3 Wizard
  - Requires SDF3 model file with extension .xml
  - Checks whether file is formatted conform supported formats
- File format impacts possible options on subsequent pages



Accept your choices and go to next page

Closes SDF3 Wizard

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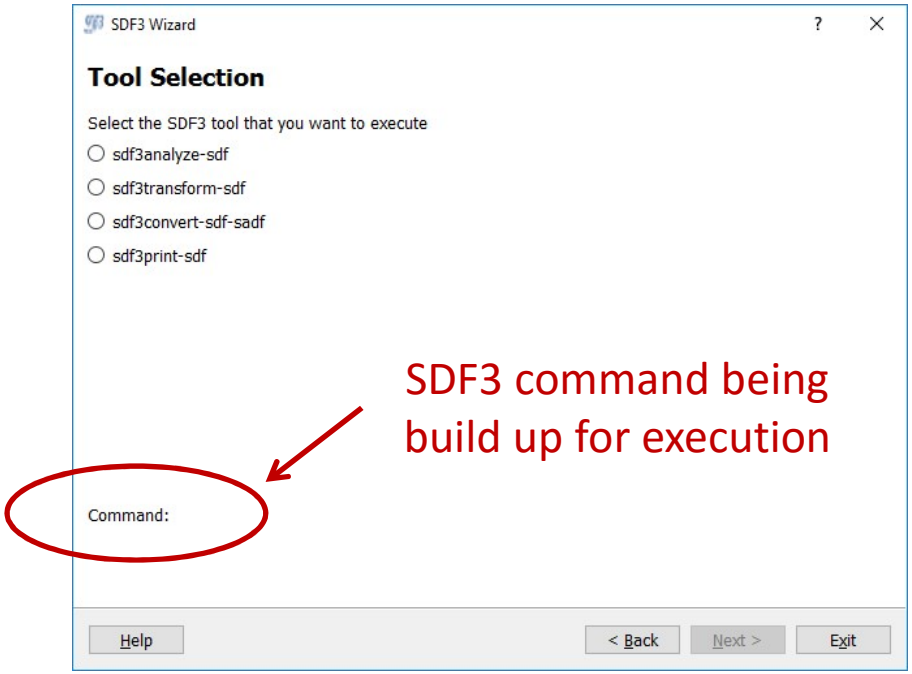
Supported SDF Tools

- sdf3analyze-sdf – primarily analysis of many qualitative and quantitative properties
- sdf3transform-sdf – graph transformations (including transformation to HSDF)
- sdf3convert-sdf-sadf – conversion to SADF format
- sdf3print-sdf – conversion to several non-SDF3 formats



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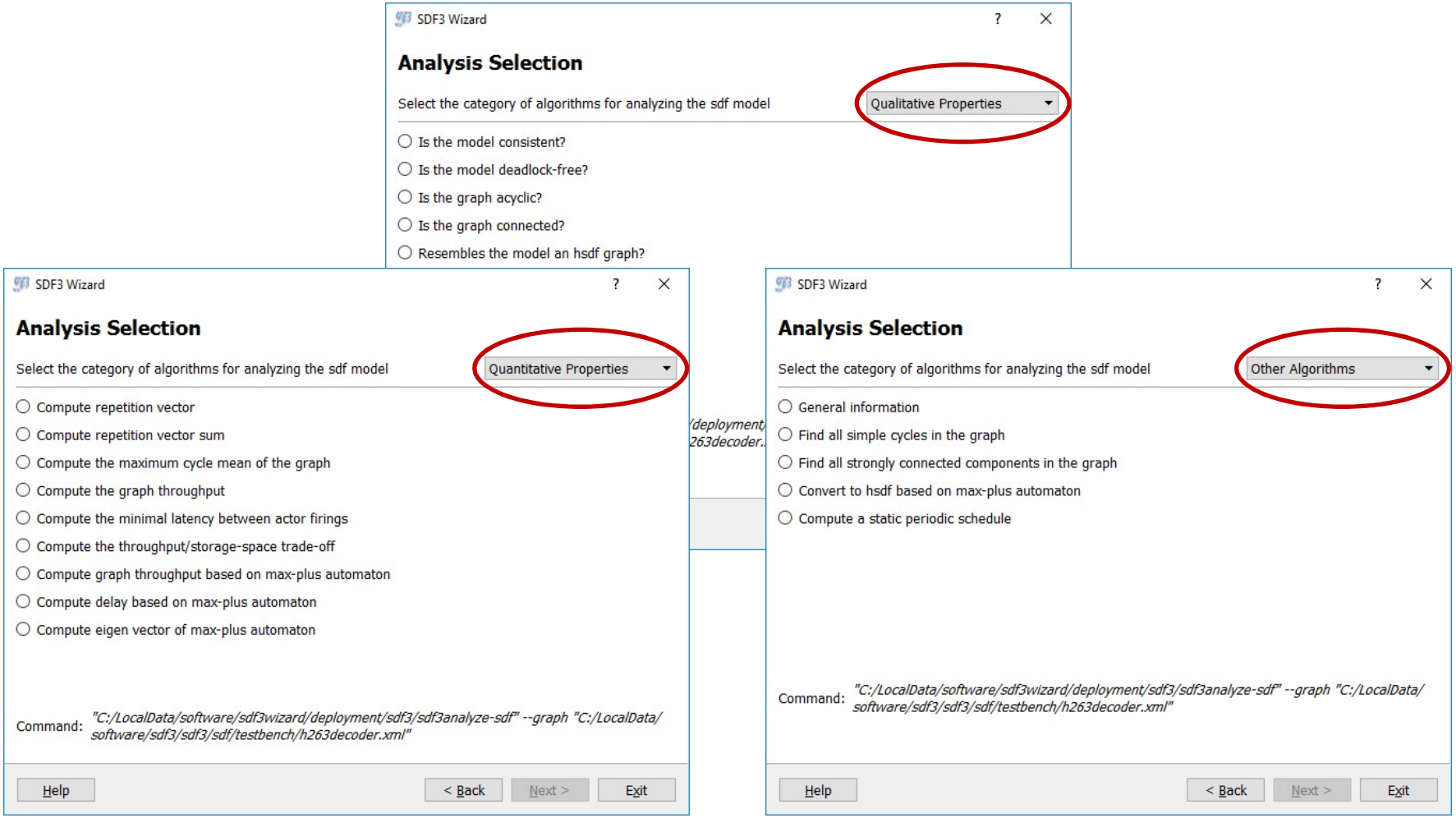
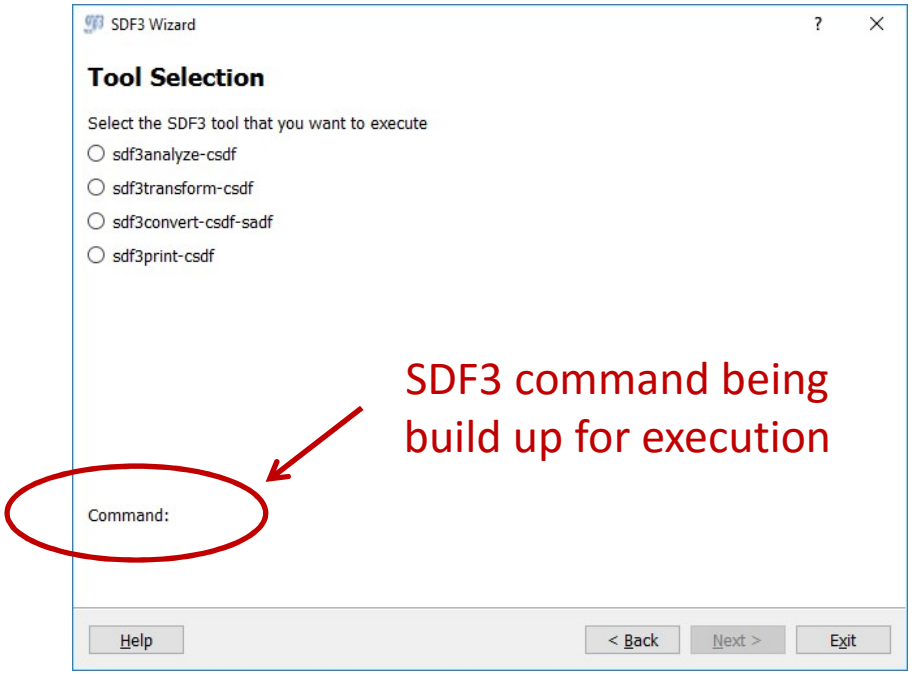
SDF Analysis

- Select between qualitative properties, quantitative properties or other algorithms



Supported CSDF Tools

- sdf3analyze-csdf – analysis of few qualitative and quantitative properties
- sdf3transform-csdf – conversion to FSM-SADF format
- sdf3convert-csdf-sadf – conversion to SADF format
- sdf3print-csdf – conversion to several non-SDF3 formats



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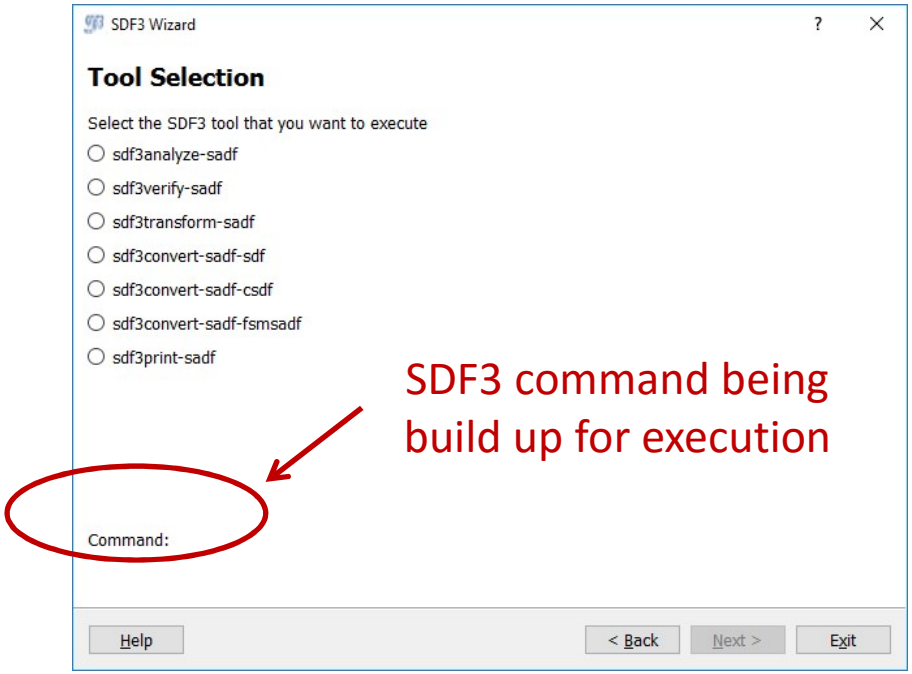
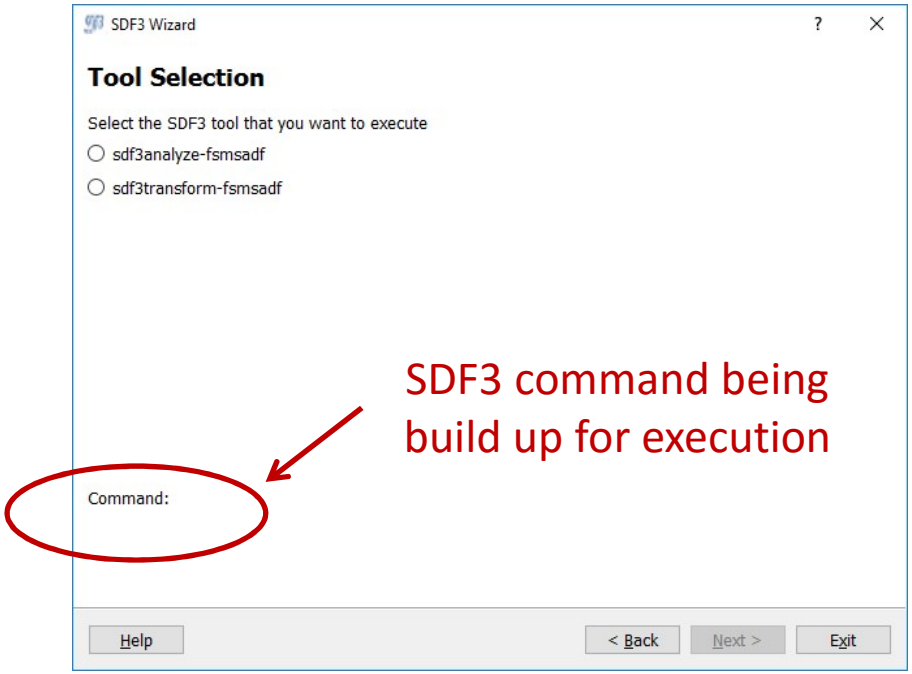
Supported SADF Tools

- sdf3analyze-sadf – analysis of quantitative properties
- sdf3verify-sadf – analysis of qualitative properties
- sdf3transform-sadf – graph transformations
- sdf3convert-sadf-sdf – conversion to SDF format (if applicable)
- sdf3convert-sadf-csdf – conversion to CSDF format (if applicable)
- sdf3convert-sadf-fsmsadf – conversion to FSM-SADF format (if applicable)
- sdf3print-sadf – conversion to non-SDF3 formats



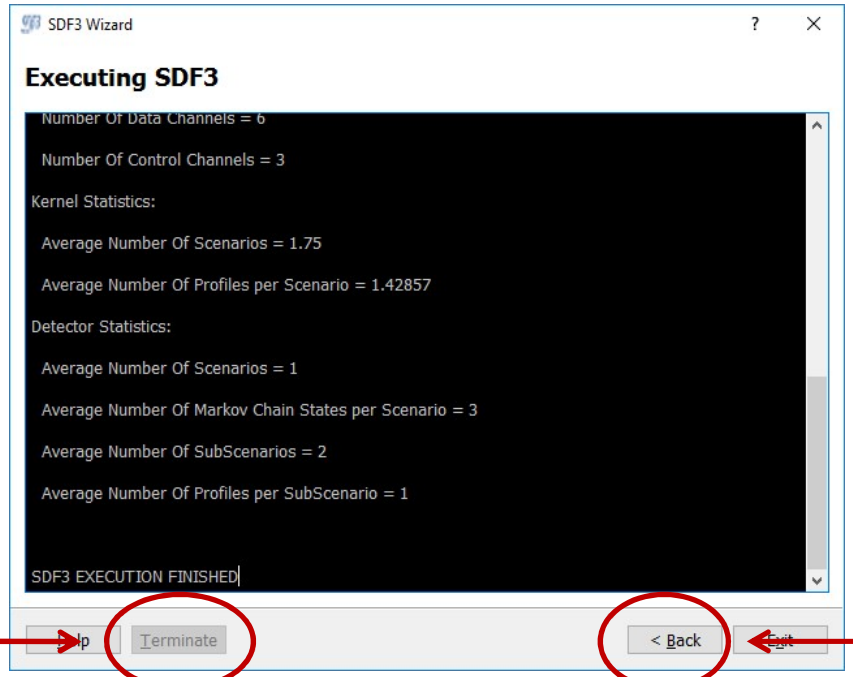
Supported FSM-SADF Tools

- sdf3analyze-fsmsadf
  - Analysis of qualitative and quantitative properties
  - Some graph transformations
- sdf3transform-fsmsadf – More graph transformations



SDF3 Execution

- SDF3 execution starts on entering page
  - Error “SDF3 EXECUTION FAILED TO START” → SDF3 command not found
  - Error “SDF3 CRASHED” → SDF3 failed to execute correctly (e.g., it ran out of memory)
  - Notification “SDF3 EXECUTION FINISHED” → SDF3 executed successfully
- Note: SDF3 gives XML related errors if XML schemas cannot be accessed through internet



Prematurely terminates SDF3 execution

Go back to previous page

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