

# jInfer ProjectType Module Description

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Target audience: developers willing to extend jInfer, specifically extend jInfer project structure.

Responsible developer:	Michal Švirec
Required tokens:	cz.cuni.mff.ksi.jinfer.base.interfaces.inference.IGenerator cz.cuni.mff.ksi.jinfer.base.interfaces.inference.SchemaGenerator cz.cuni.mff.ksi.jinfer.base.interfaces.inference.Simplifier org.openide.windows.IOPProvider
Provided tokens:	none
Module dependencies:	Base Runner
Public packages:	cz.cuni.mff.ksi.jinfer.projecttype.actions

## 1 Introduction

*ProjectType* is the module responsible for creation of NBP project type which groups input/output files that belongs to one specific inference. Each jInfer project also allows user to set properties specific for inference.

## 2 Structure

Structure of *ProjectType* can be divided into following five main parts.

- Base classes - Classes providing main functionality like creation of project, defining operations like move, delete, copy etc. All the base classes are contained in the `cz.cuni.mff.ksi.jinfer.projecttype` package.
- Visualization classes - These classes create tree structure of project in NBP Projects view and are contained in the `cz.cuni.mff.ksi.jinfer.projecttype.nodes`
- Actions - Classes from `cz.cuni.mff.ksi.jinfer.projecttype.actions` package that provides actions allowing adding, removing input files into project, or running the project.
- Properties - Classes responsible for creation of project properties window with properties category tree. These are situated in `cz.cuni.mff.ksi.jinfer.projecttype.properties` package.
- Project wizard - Classes representing creation of project through new project wizard from `cz.cuni.mff.ksi.jinfer.projecttype.sample` package.

### 2.1 Base classes

This section describes classes needed for creation of the jInfer project and correct integration into NBP. With each project created in jInfer is also created specific directory structure on filesystem that describes jInfer project. This structure is described in figure 1, where rectangles represents folders and rounded rectangles files.

Main two classes representing jInfer project type are `JInferProjectFactory` and `JInferProject`. `JInferProjectFactory` is a factory classes responsible for creation of jInfer project from disk directory and `JInferProject` is represent jInfer project in NBP.

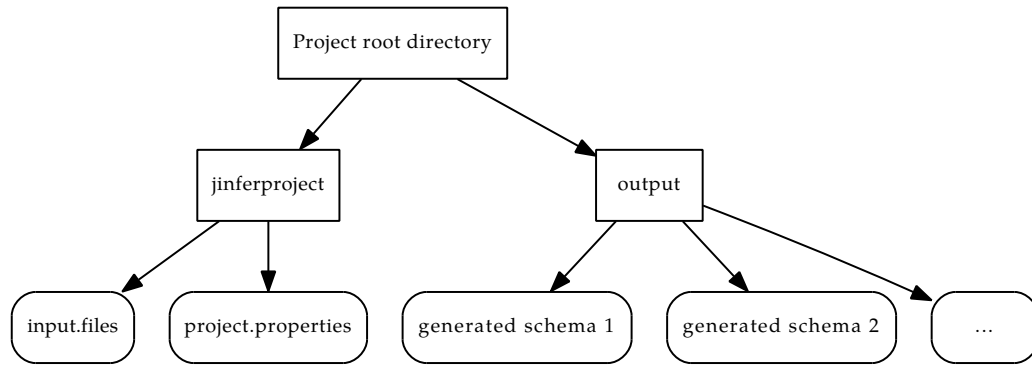


Figure 1: Project directory structure

## 2.2 Visualization classes

## 2.3 Actions

## 2.4 Properties

## 2.5 Project wizard

## 2.6 Preferences

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