Goal of this work was to engage in formal analysis of schedules, i.e. identifying weak spots and consequently design method to correct those weak points. Moreover this thesis addresses method, how from constructed corrections take appropriate set, called portfolio. Resulting software prototype called an Analyzer is integrated into FlowOpt project, which represents complex solution from modeling workflows, creation of schedules to displaying schedules using Gantt diagrams. Analyzer was developed mainly as a prototype application, which illustrates formal process of analysis.