1. Record Nr.   UNINA9910346922603321

   Autore   Hammer Christian

   Titolo   Information flow control for java : a comprehensive approach based on path conditions in dependence Graphs

   Pubbl/distr/stampa   KIT Scientific Publishing, 2009

   ISBN   1000012049

   Descrizione fisica   1 electronic resource (221 p. p.)

   Lingua di pubblicazione Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Sommario/riassunto   Information flow control (IFC) is a technique to assert the security of a given program with respect to a given security policy. The classical policy noninterference requires that public output of a program may not be influenced from secret input. This work leverages a technique called program slicing, which is closely connected to IFC and offers many dimensions for improving analysis precision, the most powerful are Path Conditions. Our evaluation shows scalability with a low annotation burden.