# Software Artifact Repository

Challenge:

Instructional materials for software assurance education are rare because a systematic coverage requires extensive expertise across various subfields of software engineering and computer security.

Solution:

Build a software artifact repository that covers representative artifacts of software assurance process

Transform research results into educational materials

Provide the adversary's perspective in the software artifacts
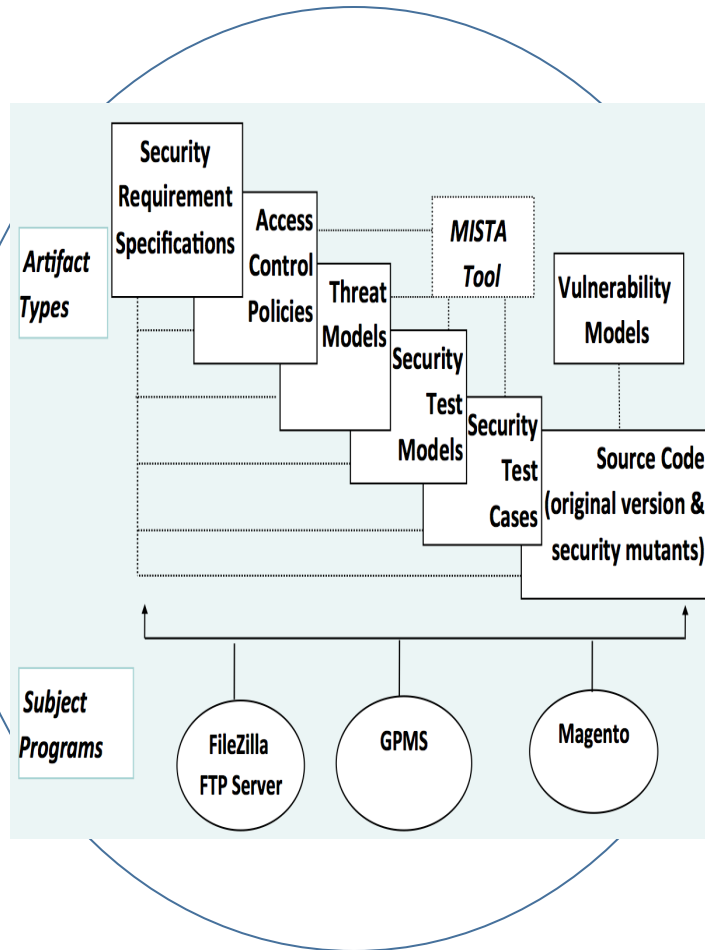
Scientific Impact:

The repository provides a comprehensive coverage of software assurance topics.

Students can practice inquiry learning by acting as both an attacker and a defender.

The repository is expected to enable students to obtain a firm understanding about software assurance activities.

Broader Impact:

This project will help alleviate the problem of there being a "desperate shortage of people who can design secure systems, [and] write safe computer code".

The materials can be used in various courses.

Raise wide awareness of security at high schools thorough outreach activities