



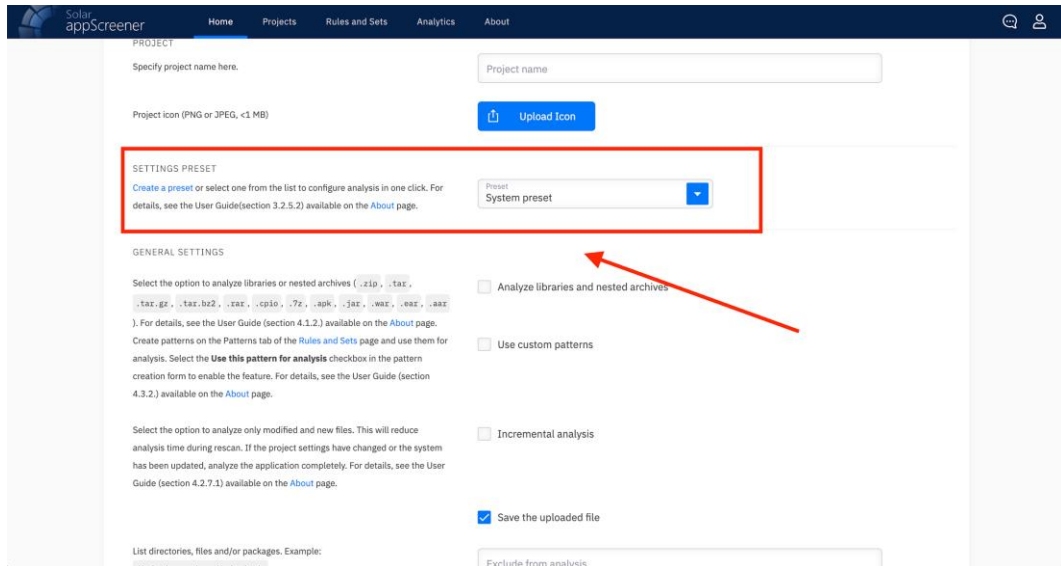
Solar appScreener 3.7

Release notes

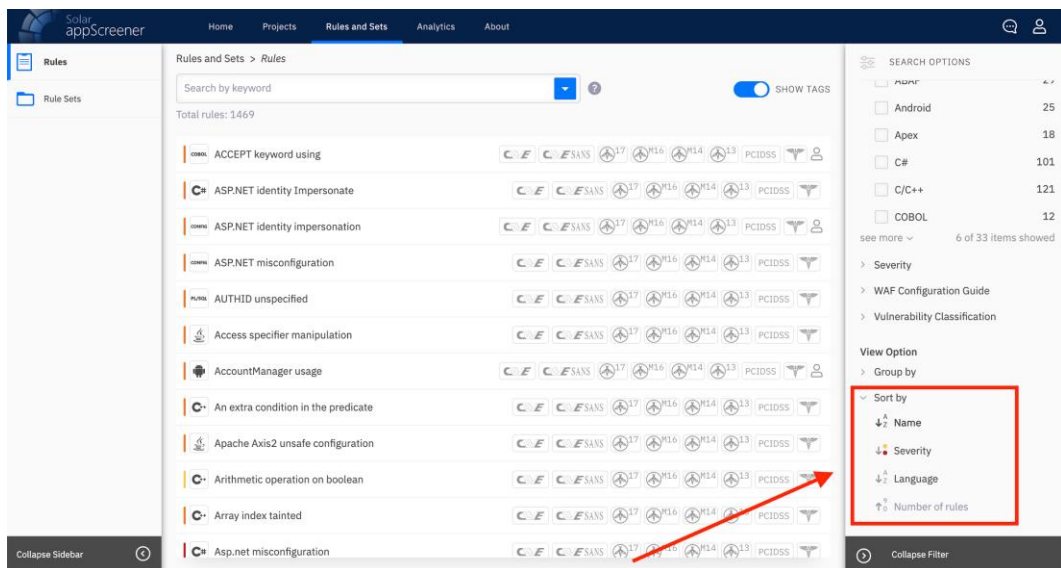
2020

What's new

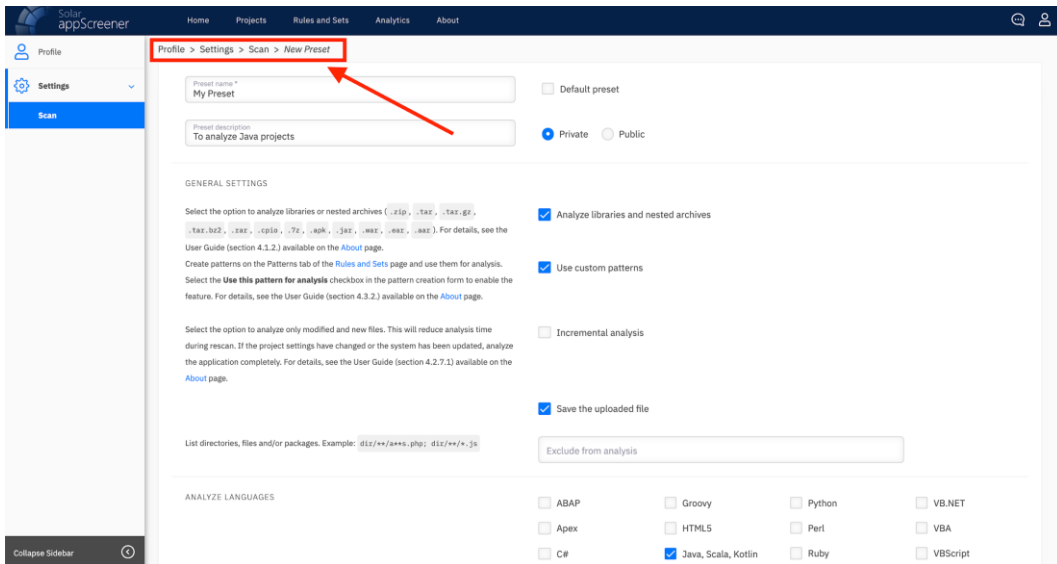
- User interface:
 - Home page: Implemented scan settings templates. Now you can create your own presets and use them to quickly configure projects.



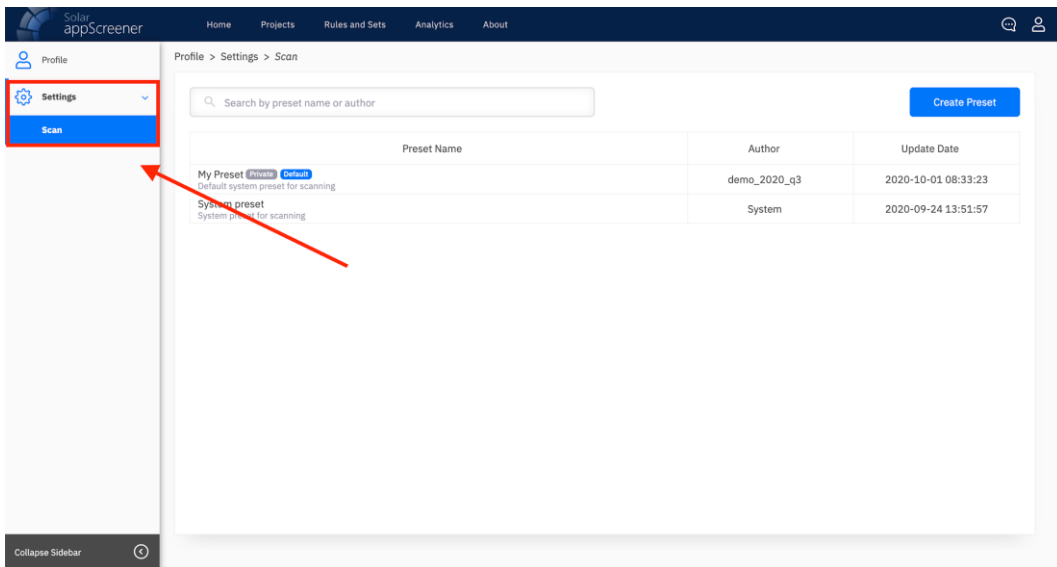
- Rules and Sets: Implemented the ability to sort rules in direct or reverse order: by name, language, severity level, or quantity (when grouping).



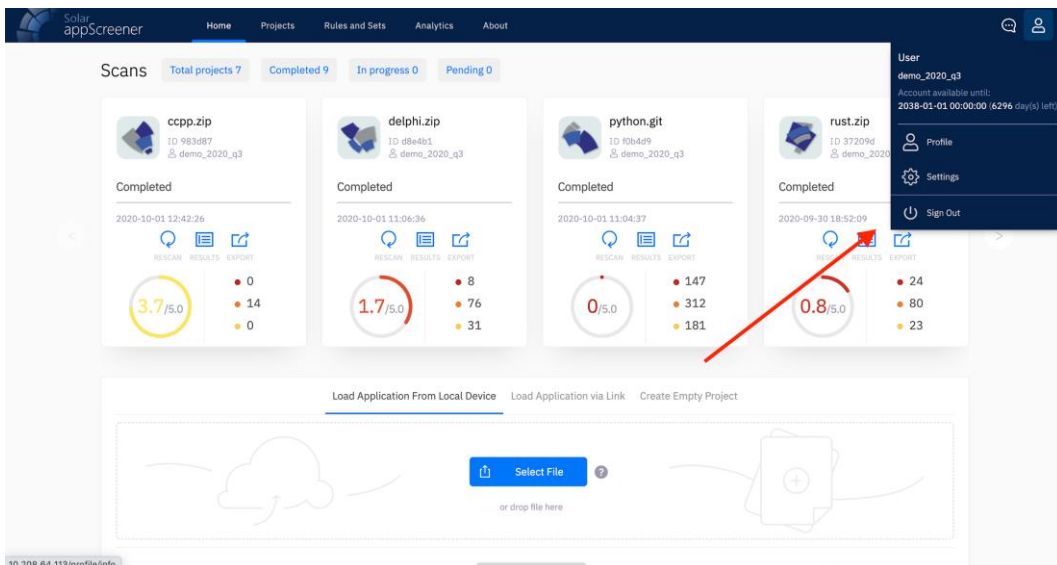
- About page: Added admin guide. All instructions for installing, updating and configuring the system you can download from the interface. Available for administrators only.
- User Account:
 - added the Settings subsection for creating scan presets



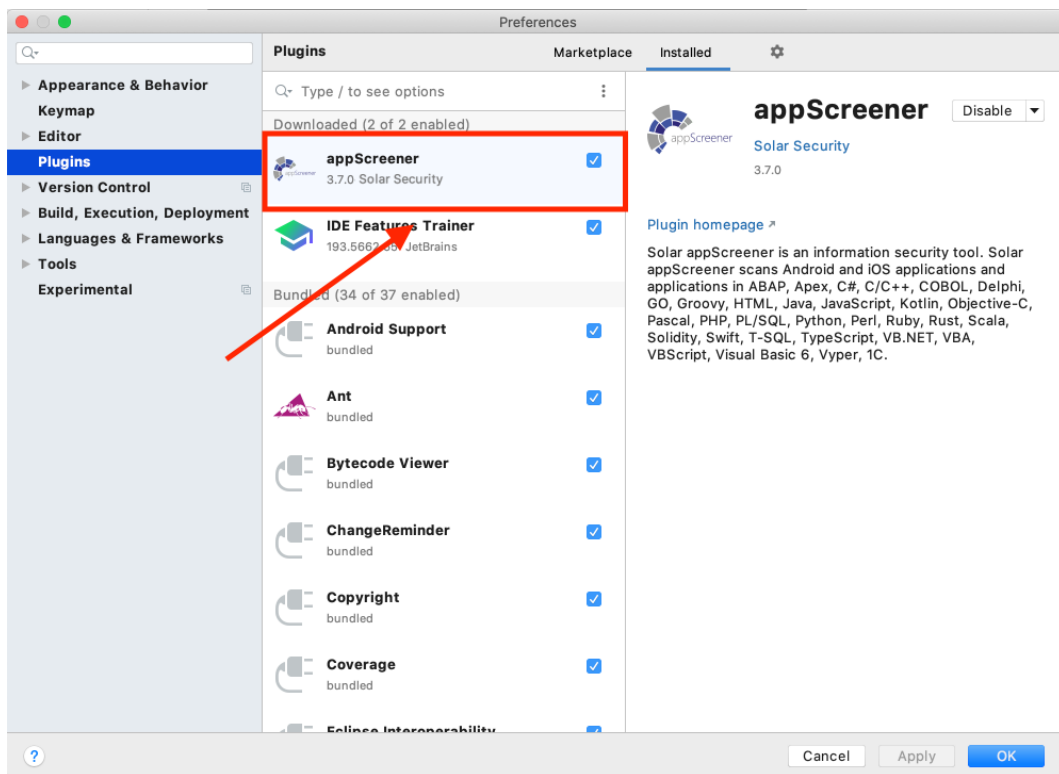
- added a side menu to switch between the Profile and Settings subsections

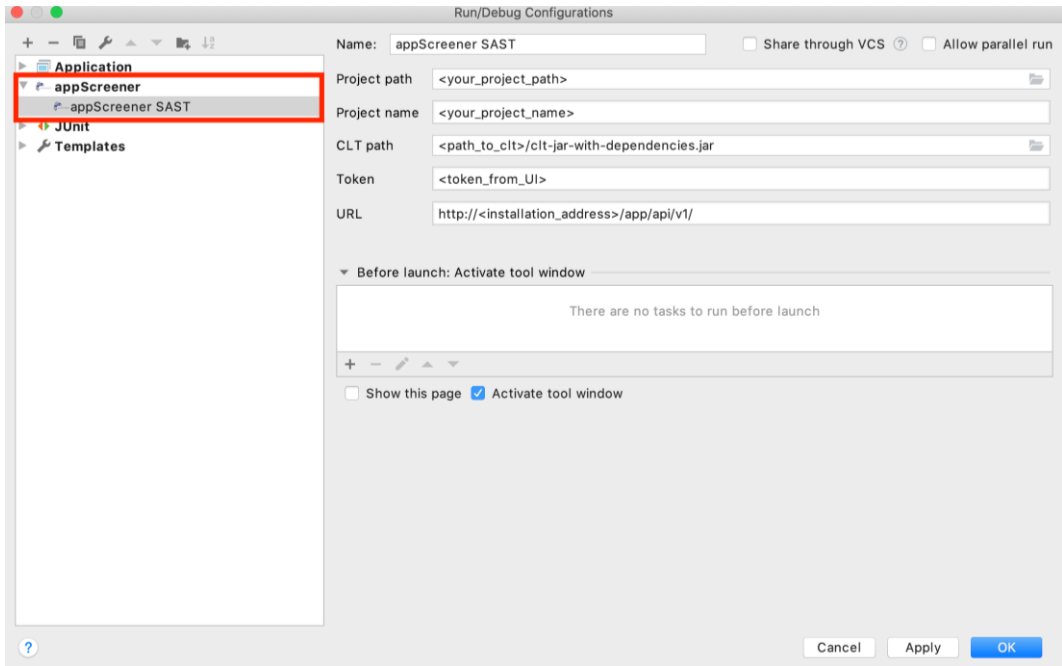


- added a drop-down profile menu: hovering over the profile icon displays a menu with account information, the Profile and Settings items, and the Sign Out button

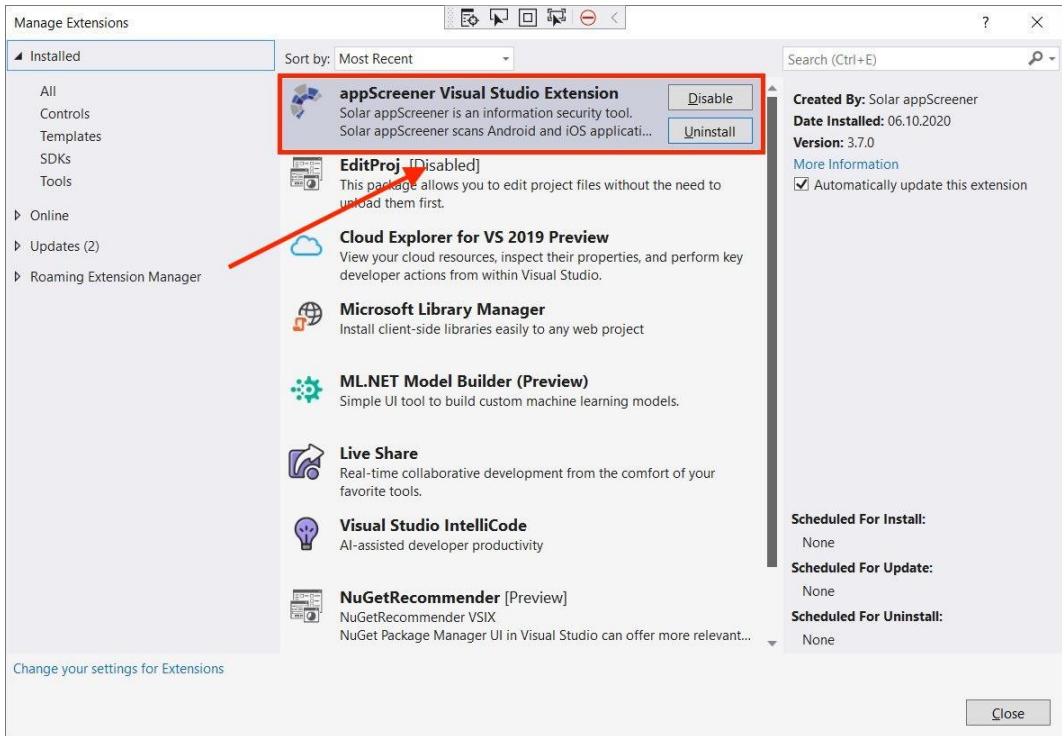


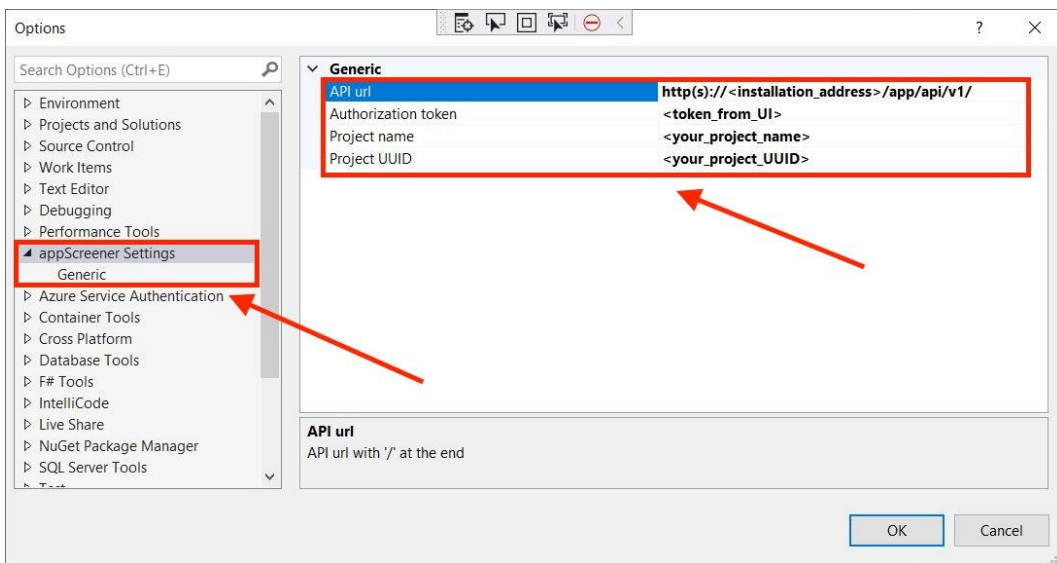
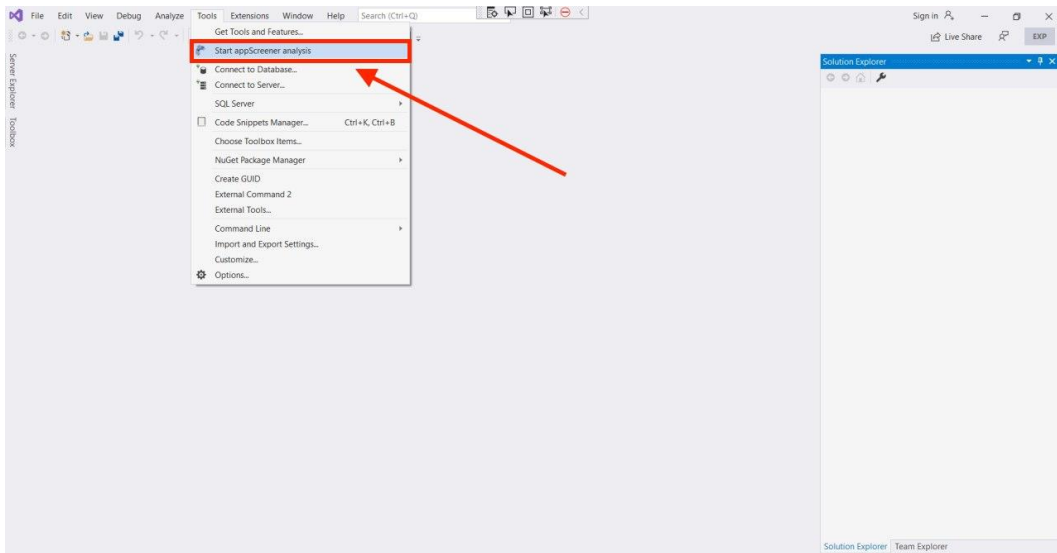
- Analysis modules:
 - C/C++:
 - added support for Makefile builds on Linux.
 - implemented support for Autotools build systems.
 - implemented warnings on unnecessary (repeated) conditions check.
 - added support for the build system using a script on Linux. To run analysis, add the build.sh file with build commands to the source files directory.
 - added warnings about non-virtual destructor in polymorphic class.
 - JavaScript: implemented JSX support.
- Installation support:
 - Implemented integration with IDEs:
 - IntelliJ IDEA





Visual Studio



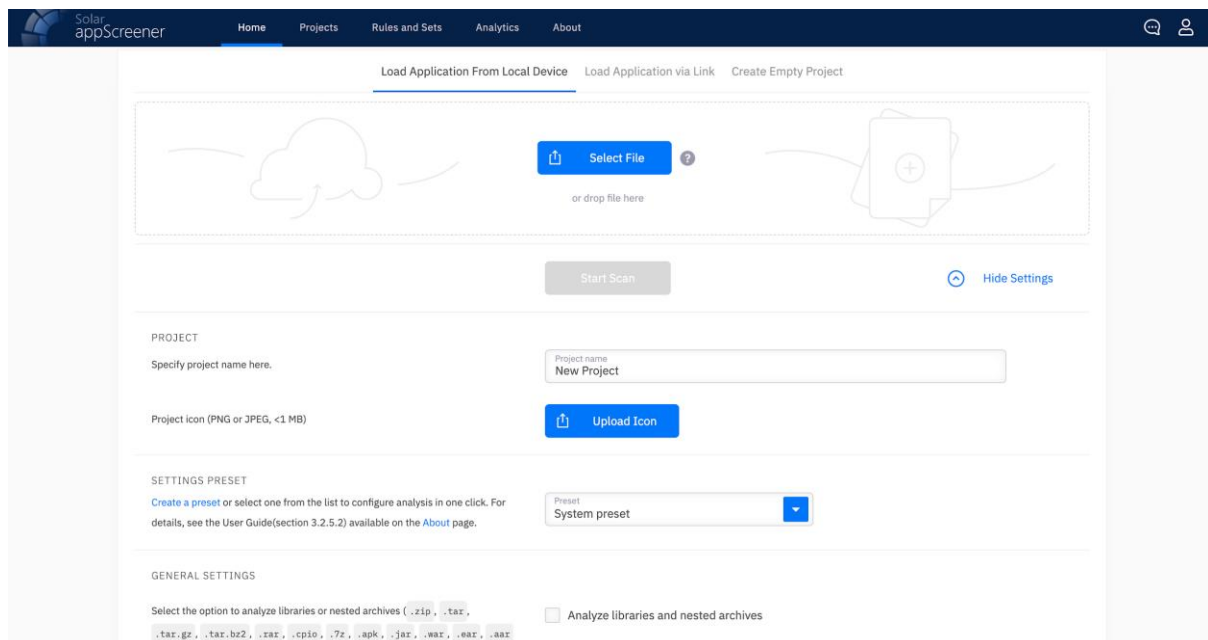


Implement static analysis at the build stage and fix vulnerabilities earlier

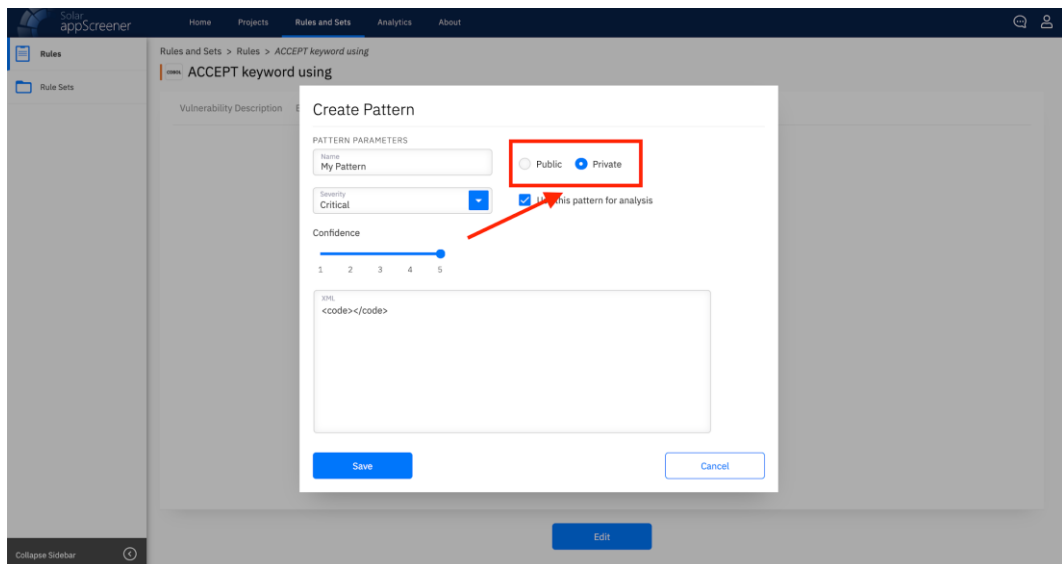
- Installation support:
 - Implemented installation distributions for Ubuntu 20.04 and CentOS 8.

What has been improved

- Analysis modules:
 - C / C ++:
 - Significantly improved taint analysis.
 - Improved signed integer overflow detection.
 - Java, Scala, Kotlin, Android:
 - Improved inter-procedural analysis
 - JavaScript:
 - Supplemented vulnerability search rules for "Confidential data leak" and "Internal/external information leak".
- User interface:
 - Home page: Redesigned scan settings form.



- Detailed Results: Improved section performance. The page now loads faster. It will be more convenient to work with a large number of vulnerabilities.
- Rules and Sets: Improved layout.
- Forms for creating / editing project groups, rule sets, patterns: Replaced the "... for all users" checkboxes with the "Private ..." and "Public ..." radio buttons. The logic remains the same: the elements are available only to the author or to all users.

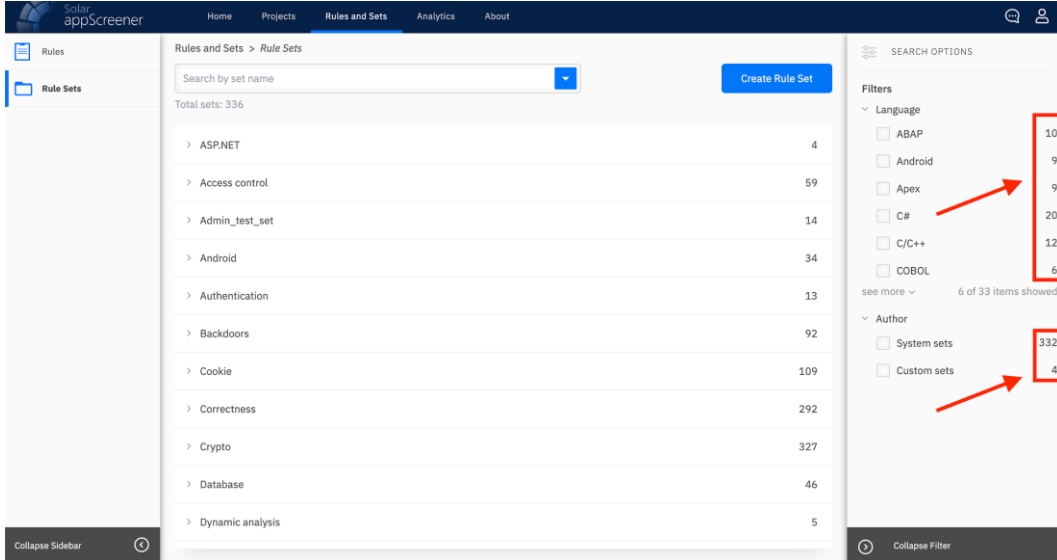


- Vulnerability scanning rule base:
 - Added new vulnerability search rules for supported programming languages:
 - 1C: 7
 - Apex: 4
 - C/C++: 26
 - C#: 26
 - COBOL: 5
 - Delphi: 8
 - Go: 6
 - Groovy: 6
 - JavaScript: 20
 - Perl: 2
 - PHP: 4
 - PL/SQL: 2
 - Python: 3
 - Ruby: 2
 - Rust: 20
 - Swift: 16
 - T-SQL: 1
 - TypeScript: 10
 - VB.NET: 4
 - Visual Basic 6.0: 10
 - VBA: 4

- VBScript: 4
- Pascal: 28
- Supplemented vulnerability descriptions.
- Installation support:
 - Improved installation on Windows:
 - Added the ability to install to any directory.
 - Automated installation of required packages.
 - Updated components.
 - Implemented automatic update.

What has been fixed

- User interface:
 - Rules and sets:
 - Fixed sets number in filters.



- Changed the default Confidence value when creating patterns to 5.

