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Announcement

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## Technology Bonuses for InterSystems Security Contest 2021

Hi Developers!

Here're the technology bonuses for the Security Contest 2021 that will give you extra points in the voting:

- Basic Authentication usage - 2
- Bearer/JWT Authentication usage - 3
- OAuth 2.0 usage - 5
- Authorization components usage - 2
- Auditing usage - 2
- Data Encryption usage - 2
- Docker container usage - 2
- ZPM Package deployment - 2
- Online Demo - 2
- Code Quality pass - 1
- Article on Developer Community - 2
- Video on YouTube - 3

See the details below.

### Basic Authentication usage - 2 points

Implement [basic authentication](#) (user, password) in your application with InterSystems IRIS as a backend. The backend can be e.g. a REST-API web application.

### Bearer/JWT Authentication usage - 3 points

Implement bearer or token authentication in your application with InterSystems IRIS as a backend. The backend can be a REST-API web application.

### OAuth 2.0 usage - 5

Implement OAuth 2.0 authentication in your application as a client and collect 5 bonus points! We expect the sign-in to your app e.g. via Google or GitHub users.

[Learn more in the Documentation](#)

### Authorization components usage - 2

InterSystems Authorisation is built with concepts of Users, Roles, and Resources. (learn more in [the documentation](#)). Implement it in your app to collect 2 more expert points.

### Auditing usage - 2

InterSystems IRIS provides the auditing capability - logging of system or user-defined events, [Documentation](#). Your application can earn 2 more bonus points if it contains code that uses the Auditing feature of InterSystems IRIS.

### Data Encryption usage - 2

InterSystems IRIS provides the option of database data encryption. Use it in your application programmatically and collect 2 extra bonus points. Learn more in [the documentation](#).

### Docker container usage - 2 points

The application gets a 'Docker container' bonus if it uses InterSystems IRIS running in a docker container. Here is [the simplest template](#) to start from.

### ZPM Package deployment - 2 points

You can collect the bonus if you build and publish the ZPM(ObjectScript Package Manager) package for your Full-Stack application so it could be deployed with:

```
zpm "install your-multi-model-solution"
```

command on IRIS with ZPM client installed.

[ZPM](#) client. [Documentation](#).

### Online Demo of your project - 2 points

Collect 3 more bonus points if you provision your project to the cloud as an online demo. You can do it on your own or you can use this [template](#) - here is an [Example](#). Here is [the video](#) on how to use it.

### Code quality pass with zero bugs - 1 point

Include the [code quality Github action](#) for code static control and [make it show 0 bugs](#) for ObjectScript.

### Article on Developer Community - 2 points

Post an article on Developer Community that describes the features of your project. Collect 2 points for each article. Translations to different languages work too.

### Video on YouTube - 3 points

Make the Youtube video that demonstrates your product in action and collect 3 bonus points per each. Example.

The list of bonuses is subject to change. Stay tuned!

Good luck in the competition!

[#Authentication](#) [#Access control](#) [#Contest](#) [#OAuth2](#) [#Security](#) [#InterSystems IRIS](#) [#IRIS contest](#)

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