
Announcement

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InterSystems Grand Prix Contest 2022 Technical Bonuses

Hi developers!

InterSystems Grand Prix unites all the key features of InterSystems data platforms!

Thus we invite you to use the following features and collect additional technical bonuses that will help you to win the prize!

Here we go!

- InterSystems FHIR - 5
- IntegratedML - 4
- Native API - 3
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- Production EXtension(PEX) - 4
- Embedded Python - 5
- Adaptive Analytics (AtScale) Cubes usage - 4
- Tableau, PowerBI, Logi usage - 3
- InterSystems IRIS BI - 3
- Docker container usage - 2
- ZPM Package deployment - 2
- Online Demo - 2
- Unit Testing - 2
- First Article on Developer Community - 2
- Second Article On DC - 1
- Code Quality pass - 1
- Video on YouTube - 3

InterSystems FHIR as a Service and IRIS For Health - 5 points

We invite all developers to build new or test existing applications using [InterSystems FHIR Server \(FHIRaaS\)](#). Sign in to [the portal](#), make the deployment and start using your InterSystems FHIR server on AWS in your application for the programming contest.

You can also build an FHIR application using InterSystems IRIS for Health, docker version. You can take the [IRIS-FHIR-Template](#) which prepares the FHIR server during the docker image building. The documentation for FHIR API 4.0.1 could be found [here](#). Learn more in [InterSystems IRIS for Health documentation](#).

IntegratedML usage - 4 points

1. Use InterSystems IntegratedML in your AI/ML solution. Here is the template that uses it.

- [InterSystems IntegratedML template](#)

2. Data import tools:

- [Data Import Wizard](#)
- [CSVGEN](#) - CSV import util
- [CSVGEN-UI](#) - the web UI for CSVGEN

3. Documentation:

- [Using IntegratedML](#)

4. Online courses & videos:

- [Learn IntegratedML in InterSystems IRIS](#)
- [Preparing Your Data for Machine Learning](#)
- [Predictive Modeling with the Machine Learning Toolkit](#)
- [IntegratedML Resource Guide](#)
- [Getting Started with IntegratedML](#)
- [Machine Learning with IntegratedML & Data Robot](#)

InterSystems Native API usage - 3 points

You get this bonus if you access the data in your Full-Stack application using any of the InterSystems Native API options: [.NET](#), [Java](#), [Python](#), [Node.js](#). Learn more [here](#).

Interoperability Productions with BPL or DTL - 3 points

One of the key features of IRIS [Interoperability Productions](#) is a business process, which could be described by BPL (Business Process Language).

[Learn more about Business Processes in the documentation.](#)

Business Rule is a no-code/low-code approach to managing the processing logic of the interoperability production. In InterSystems IRIS you can create a business rule which you can create visually or via the ObjectScript representation.

You can collect the Business Process/Business Rule bonus if you create and use the business process or business rule in your interoperability production.

- [Business Rule Example](#)
- [Learn more on Business Rules in the documentation](#)

Production EXtension (PEX) Usage - 4 points

PEX is a Python, Java or .NET extension of Interoperability productions.

You get this bonus if you use PEX with Python, JAVA or .NET in your interoperability production.

[PEX Demo.](#)

[Learn more on PEX in Documentation.](#)

InterSystems IRIS has [Python Pex](#) module that provides the option to develop InterSystems Interoperability productions from Python. Use it and collect 3 extra points for your application. It's OK also to use alternative python.pex wheel [introduced](#) by Guillaume Ronguier.

Embedded Python - 4 points

Use [Embedded Python](#) in your application and collect 4 extra points. You'll need at least InterSystems IRIS 2021.2 for it.

Adaptive Analytics (AtScale) Cubes usage - 4 points

InterSystems Adaptive Analytics provides the option to create and use [AtScale](#) cubes for analytics solutions.

You can use the AtScale server we set up for the contest (URL and credentials can be collected in the [Discord Channel](#)) to use cubes or create a new one and connect to your IRIS server via JDBC.

The visualization layer for your Analytics solution with AtScale can be crafted with Tableau, PowerBI, Excel, or Logi.

[Documentation](#), [AtScale documentation](#)

[Training](#)

Tableau, PowerBI, Logi usage - 3 points

Collect 3 points for the visualization you made with Tableau, PowerBI, or Logi - 3 points per each.

Visualization can be made vs a direct IRIS BI server or via the connection with AtScale.

Logi is available on behalf of the InterSystems Reports solution - you can download the composer on [InterSystems WRC](#). A temporary license can be collected in the [discord channel](#).

[Documentation](#)

[Training](#)

InterSystems IRIS BI - 3 points

InterSystems IRIS Business Intelligence is a feature of IRIS which gives you the option to create BI cubes and pivots against persistent data in IRIS and deliver then this information to users using interactive dashboards.

[Learn more](#)

The basic [iris-analytics-template](#) contains examples of an IRIS BI cube, pivot, and a dashboard.

Here is the set of examples of IRIS BI solutions:

- [Samples BI](#)
- [Covid19 analytics](#)
- [Analyze This](#)
- [Game of Throne Analytics](#)
- [Pivot Subscriptions](#)
- [Error Globals Analytics](#)
- [Creating InterSystems IRIS BI Solutions Using Docker & VSCode](#) (video)
- [The Freedom of Visualization Choice: InterSystems BI](#) (video)
- [InterSystems BI\(DeepSee\) Overview](#) (online course)
- [InterSystems BI\(DeepSee\) Analyzer Basics](#) (online course)

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(InterSystems 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 2 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.

Unit Testing - 2 points

Applications that have Unit Testing for the InterSystems IRIS code will collect the bonus.

Learn more about ObjectScript Unit Testing in [Documentation](#) and on [Developer Community](#).

Article on Developer Community - 2 points

Post an article on Developer Community that describes the features of your project and collect 2 points for the article.

The Second article on Developer Community - 1 point

You can collect one more bonus point for the second article or the translation regarding the application. The 3rd and more will not bring more points but the attention will all be yours.

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.

Video on YouTube - 3 points

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

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

[#Contest](#) [#InterSystems](#) [IRIS](#) [#Open Exchange](#)

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