
Announcement

[Anastasia Dyubaylo](#) · Jan 4, 2022

InterSystems Open Exchange December 2021 Digest

Hey Developers! Here is a digest of new solutions and applications submitted to the InterSystems Open Exchange in December 2021.

General Stats:

- 15 new apps in December
- 703 downloads in December
- 562 applications all time
- 15,816 downloads all time
- 1,457 developers joined

New Applications (15)

[Medical Dataset](#) by [Muhammad Waseem](#)

Biomedical Data Science Medical Dataset

[iris-docker-zpm-usage-template](#) by [Evgeny Shvarov](#)

The simplest template to use InterSystems IRIS in Docker and with an arbitrary InterSystems Community Package
[migration-pg-iris-dataset](#) by [YURI MARX PEREIRA GOMES](#)

Sample repository to show how to migrate from PostgreSQL to InterSystems IRIS

[Fhiraas Microservice Party](#) by [Ron Sweeney](#)

Add FHIR to your Kubernetes Microservice Party

[appmsw-zpm-shields](#) by [Sergey Mikhailenko](#)

Service for displaying version numbers of ZPM.

[global-logging-template](#) by [Niklas Thilmont](#)

A simple objectsript global logging template

[Health Dataset](#) by [YURI MARX PEREIRA GOMES](#)

This is an application to get Health Data sample

[SQL DATA LENS](#) by [Andreas Schneider](#)

DB Tool with advanced query editor

[openflightsdataset](#) by [Andreas Schneider](#)

Openflights demo dataset, datamodel for InterSystems IRIS

[IRIS JSON Schema Validator](#) by [YURI MARX PEREIRA GOMES](#)

InterSystems IRIS JSON Schema support.

[OPNEx-ECP Deployment](#) by [Jose Tomas Salvador](#)

Build quickly a full ECP architecture to test your apps

[iris-kaggle-socrata-generator](#) by [Henrique Gonçalves Dias](#)

Do you need some real data to use in your projects? Why not use real data from the best sources?

[UrineM App](#) by [Nicolas Souza Lopes](#)

Real-time urine measurement gateway

[iris-python-examples](#) by [Guillaume Rongier](#)

Embedded Python examples with notebook support.

[AoC2021 with Embedded Python](#) by [Robert Cemper](#)

An Embedded Python based view of Advent of Code

New Releases (18)

[DeepSeeWeb](#) by [Anton Gnibeda](#)

v3.1.38

- fixed issue with treemap tooltip values formatter (#228)

v3.1.39

- added Embed mode support for the dashboard (#234)
- added maxZoom data property to specify maximum zoom level for map widget (#235)

[MDX2JSON](#) by [Eduard Lebedyuk](#)

v2.3.5

Embed property support

[appmsw-forbid-old-passwd](#) by [Sergey Mikhailenko](#)

v1.0.4

added salt in hash

[appmsw-dbdeploy](#) by [Sergey Mikhailenko](#)

v1.0.2

added in readme url

v1.0.3

fixed code

[https-rest-api](#) by [Oliver Wilms](#)

v0.0.2

Utilize ZPM to install crud and crudall web applications from template

[VSCode-ObjectScript](#) by [Dmitry Maslennikov](#)

v1.2.1

- Enhancements
 - Overhaul WorkspaceSymbolProvider (#772)
 - Add Open Shell in Docker option to Server Actions menu (#778)
 - Preliminary web extension support (#782)
 - Check all local folders in multi-root workspace for local copy of file (#785)
- Fixes
 - Fix FileSystemProvider mtime caching (#770)
 - Comply with new VS Code policy for scoping access to VS Code proposed API (#771)
 - Append .pkg to package name when passed to source control / server command extensions (#776)
 - Improve error messaging for Studio Actions (#784)
 - Upgrade vulnerable dependencies (#787)
- Fixes
 - Debugger: Breakpoint with no hitCondition cannot be set (#766)
- Enhancements
 - Add 'Show Class Documentation Preview' button and command.
 - Improve how line comment markers carry over when newline is entered (#541)
 - Allow server-side source control class UserAction method call with Action=3 to launch an http/s or ftp/s URL in the external browser (contributed by @a-boertien).

- Add support for conditional breakpoints.
- Improve documentation.
- Fixes
 - Prevent save of isfs class if filename doesn't match the class it defines (#410)
 - Refresh ObjectScript Explorer after export (#502)
 - Improve message when /api/atelier web application is disabled or missing (#752)
 - Correctly handle dots in routine names, preventing two copies of the same routine from being opened concurrently (#748)
 - Handle multiple selections when performing compile or delete from ObjectScript Explorer (#746)
 - Revert document instead of attempting an undo when server-side source control signals this is necessary.
 - Resolve issue causing unusable authentication page after CSP timeout.
 - Fix XML to UDL conversion.
 - Upgrade vulnerable dependencies.
- Require confirmation before compiling all code in namespace (#677)
- Respect maxResults parameter when running server-side search (#713)
- Handle multiple spaces between Class keyword and classname (#717)
- Report license starvation connection error properly (#721)
- Display AfterUserAction errors reported by server-side source control (#701)
- Preserve user edit if it triggered a successful checkout in server-side source control (#703)
- Fix failing Go to Definition from CSP file when working with isfs (#727)
- Support 'Open Document' action by server-side source control (#731)
- Upgrade vulnerable dependency.
- Add Watchpoint support to debugging (#697)
- Make QuickOpen respect any filter=xxx query parameter on the isfs folder definition (#593)
- Fix unexpected alerts about server-side copy being newer when working with isfs (#683)
- Always run isfs dialog's serverInfo request in the %SYS namespace (#682)
- Fix "Cannot read property 'toLowerCase' of undefined" error on startup (#693)
- Report problem if isfs workspace definition points to non-existent server definition (#695)
- Give clearer messages if user has insufficient privilege on the server (#678)
- Allow opting out of 'Other Studio Action' server-side source control calls (#691)
- Allow extension to work in untrusted workspaces.
- Don't switch to File Explorer view when opening a file from ObjectScript Explorer (#651)
- Scroll to correct line after an Output panel link is clicked (#657)
- Handle compilation errors better (#673)
- Improve documentation.
- Upgrade vulnerable dependencies.
- Support client-side web app (CSP) workflow as long as web app path is in the /csp/* space (#147, #449)
- Add compile-only commands 'Compile Current File' and 'Compile Current File with Specified Flags...' (#595)
- Add 'Edit Other' command plus menu option below 'View Other' (#309)
- Report server-side errors from imports and isfs saves (#391)
- Use web app token when authenticating with Management Portal and Class Reference.
- Permit empty argument list in 'Debug this' (#642)
- Add objectscript.compileOnSave setting to turn off post-save compile (#594)
- Treat system=1 parameter on non-%SYS isfs folder spec as signal to include %-items (#623)
- Add objectscript.multilineMethodArgs setting to use UDL parameter supported on servers with API version 4+ (#457)
- Add snippets for business processes.
- Prevent leading space in front of Class keyword from blocking import (#613)

- Import into the correct namespace when working with multi-root workspace (#535)
- Refactor 'Jump to Line' to use DocumentSymbolProvider.
- Improve 'View Other' when working with servers supporting API version 4+ (#363)
- Support Language Server enhancement that opens local copy of file when using 'Go to Definition' in client-side editing mode.
- Update connections when settings are changed (#608)
- Improve documentation.
- Upgrade vulnerable dependencies.
- Avoid prompting for already-saved password (#61)
- Constrain QuickOpen list contents when isfs folder path targets a specific package (#581)
- Show isfs folder label in breadcrumb even without proposed APIs enabled (#599)
- Improve information about compiler flags (#532)
- Add clickable links to compilation error text in Output pane (#386)
- Relabel Variables folders in debugger to be Private and Public instead of Local and Global (#482)
- Fix debugging breakpoint command message when class has multiple packages (#597)
- Support expansion of orefs in debugger Variables pane provided server-side API version implements the necessary support (#598)
- Improve README.
- Upgrade vulnerable dependencies.

[DataAPPSecurity](#) by [Muhammad Waseem](#)

v1.0.5

OAuth2 Authentication with GitHub added

[zap-api-scan-sample](#) by [José Roberto Pereira](#)

v1.0.2

Added articles and video links in project description.

Articles

[English](#)

[Português](#)

Video



v1.0.3

Added a GitHub action for automatically API scan on pushes to the repository. Check out [this article](#) for more information.

[csvgen](#) by [Evgeny Shvarov](#)

v1.1.14

- Generate() documentation fix,
- Classname autogeneration fix on Windows,
- Shields for code quality and last commit indication

v1.2.1

Added the Append support. A new parameter pAppend=1 allows to add records from a file with similar scheme

[Git for Shared Development Environments](#) by [Timothy Leavitt](#)

v1.2.0

Git add packages by @isc-svelury in #79 Removing from source control now works by @isc-svelury in #80 Queue filter by @isc-svelury in #82 compatibility fix for IE + minor bugfix by @isc-svelury in #83 Reload page on login expiration by @isc-svelury in #84 String.substr() is deprecated and substring() works a little differently by @isc-svelury in #87 Updated README with OpenSSH requirement by @isc-svelury in #89 Merge minor UX improvements by @isc-svelury in #94 Automatically stage any changes to sc-list.txt and note in README by @isc-svelury in #96 Stash list, pop, apply, drop; stash files from workspace by @isc-svelury in #95 Background color fix by @isc-svelury in #99 Automatically refresh the list of files in Working Copy after stashing by @isc-svelury in #98 includes is not supported by IE. Use indexOf instead. by @isc-svelury in #97 Preserve filenames for

AbstractDocuments by @isc-svelury in #100

[Dataset OEX reviews](#) by [Robert Cemper](#)

v0.1.1

Logo added

[Game Of Throne Analytics](#) by [Evgeny Shvarov](#)

v1.0.2

ZPM package bugfixes

v1.0.3

ZPM Module version bump

v1.0.4

ZPM version bump

[Top 10 Applications in Array](#)

[VSCode-ObjectScript](#)

by [Dmitry Maslennikov](#)



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[LabResultsVerification-hl7](#)

by [Muhammad Waseem](#)



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[DataAPPSecurity](#)

by [Muhammad Waseem](#)



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[PythonGateway](#)

by [Eduard Lebedyuk](#)



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[ObjectScript Package Manager](#)

by [Evgeny Shvarov](#)



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[csvgen](#)

by [Evgeny Shvarov](#)



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[aoc-objectscript-template](#)

by [Evgeny Shvarov](#)



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[iris-dataset-titanic](#)

by [Evgeny Shvarov](#)



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[zap-api-scan-sample](#)

by [José Roberto Pereira](#)



10

[objectscript-docker-template](#)

by [Evgeny Shvarov](#)



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Top 10 Applications All Time

[VSCode-ObjectScript](#)

by [Dmitry Maslennikov](#)



1,787

[iris-history-monitor](#)

by [Henrique Gonçalves Dias](#)



1,122

[PythonGateway](#)

by [Eduard Lebedyuk](#)



1,082

[Serenji](#)

by [John Murray](#)



424

[ObjectScript Package Manager](#)

by [Evgeny Shvarov](#)



357

[AnalyzeThis](#)

by [Peter Steiwer](#)



273

[WebTerminal](#)

by [Nikita Savchenko](#)



265

[LabResultsVerification-hl7](#)

by [Muhammad Waseem](#)



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[Caché Monitor](#)

by [Andreas Schneider](#)



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[DeepSeeButtons](#)

by [Peter Steiwer](#)



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