
Announcement

[Anastasia Dyubaylo](#) · Oct 1, 2021

InterSystems Open Exchange September 2021 Digest

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

General stats:

- 21 new apps
- 507 published apps in total
- 603 downloads in September
- 1338 developers joined

New applications (21)

[AlertDashboard](#) by [John Pan](#)

Use DeepSee to create a dashboard to show abnormal conditions of Production operation.

[pop-song-analytics](#) by [Henry Hamon Pereira](#)

Pop Songs analytics from the last decades

[Analytics OKR](#) by [YURI MARX PEREIRA GOMES](#)

This is an analytic app for OKR - Objective and Key Results

[iris-analytics-for-money](#) by [Oliver Wilms](#)

IRIS Analytics solution for money (not yet)

[promjet-stats](#) by [Evgeniy Potapov](#)

Statistics from promjet.ru site compared to Yandex.Metrika statistics

[ERP Plenum](#) by [Jose Sampaio](#)

Now have a unified information for managing your business!

[iris-analytics-datastudio](#) by [Dmitry Maslennikov](#)

Google DataStudio connector to InterSystems IRIS Analytics (DeepSee)

[Med-Sync: HackMIT 2021](#) by [Rohan Mehta](#)

Revolutionizing blood glucose tracking

[Beez-Woman-Menstrual-Tracker](#) by [Katie Le](#)

A one-stop-shop for tracking women's reproductive health

[FHIRDemoWithAPIKey](#) by [Patrick Jamieson](#)

Simple FHIR application to retrieve patients and observations

[FHIROktaIntegration](#) by [Patrick Jamieson](#)

Example FHIR application that uses OAuth 2.0 and Okta.

[MedTracker](#) by [Nicolas Camenisch](#)

Medication tracking and drug identification

[config-copy](#) by [Lorenzo Scalese](#)

Helper to copy the config from an IRIS instance to another

[Maternal Assistant](#) by [James Zhang](#)

We built a solution for maternal physicians in South Africa to quickly and effectively conduct their examinations (5th place InterSystems winner)

[OMNI-Lab](#) by [Alex Anderson](#)

OMNI-Lab is a full featured multi-lab LIMS solution

[csv2table](#) by [Evgeny Shvarov](#)

Example on how to import CSV to any existing table

[PKI-Script](#) by [Lorenzo Scalese](#)

IRIS Public Key Infrastructure helper

[Unqork](#) by [Elena G](#)

No-code platform for enterprise

[OncoSNIPER](#) by [Elena G](#)

Discover new therapeutic targets and biomarkers

[Contrast&Care](#) by [Elena G](#)

Management solution for contrast product injections

[Fhurgure](#) by [Joey Koh](#)

Helping neurodiverse employees at book medical appointments.

[New releases \(14\)](#)

[AnalyzeThis](#) by [Peter Steiwer](#)

v1.2.4

Fixing ZPM version

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

v3.1.24

- added support for sharing linked widgets (#214)
- fixed map popup positioning issue (#213)
- fixed map popup drill up issue (#213)
- fullscreen button hidden on shared widgets (#211)
- added "noheader" URL parameter for shared widgets, eg. "&noheader=1" (#211)
- added "datasource" URL parameter for shared widgets, parameter value should be escaped. eg. "&datasource=map%2Frayon5weights.pivot" (#210)
- added "drilldown" URL parameter for shared widgets, containing all paths separated by "~" character, parameter value should be escaped (#208)
- added "variables" URL parameter for shared widgets, eg. "&variables=selectedPeriod.105testVariable.100" (#212)
- now "drilldown" url parameter changed while drilling on shared widget (#209)
- now "FILTERS" url parameter changed while filtering on shared widget (#209)
- fixed coloring of treemap and pie charts (#198)
- fixed linked widget in samples-bi. actual issue was: "no overrides for combo chart" (#196)
- added support for sharing drill levels sharing widget
- added data property "popupProperty" for map, to define which value show in popup
- fixed issue with linked inline widgets(widgets on tiles)

v3.1.25

- version bump (no changes)

v3.1.26

- added event passing to parent window via dsw object for shared widgets. Now shared widgets can pass drill and filter events to parent window

```
// Define dsw object in window using this interface:
export interface IDSW {
  onFilter: (e: IWidgetEvent) => void;
  onDrill: (e: IWidgetEvent) => void;
}
```

```
// Widget event
export interface IWidgetEvent {
  index: number;
  widget: IWidgetInfo;
  drills?: IWidgetDrill[];
  filters?: string;
}
// Example:
window.dsw = {
  onDrill: (data) => {
    // handle drill event here
  },
  onFilter: (data) => {
    // handle filter event here
  }
}
```

v3.1.27

- fixed issue with setting current value of choose data source control if running as shared widget
- now datasource url parameter changed while changing datasource on shared widget
- added tooltipProperty data property for map widget to define custom tooltips
- added support for html in map tooltips
- added communication with parent window using postMessage to avoid cross-domain restrictions:

```
// Extended interface for widget event
export interface IWidgetEvent {
  type: WidgetEventType;
  index: number;
  widget: IWidgetInfo;
  drills?: IWidgetDrill[];
  filters?: string;
  datasource?: string;
}
// Example
window.addEventListener('message', e => {
  const event = e.data as IWidgetEvent;
  switch (event.type) {
    case 'drill':
      // code ...
      break;
    case 'filter':
      // code ...
      break;
    case 'datasource':
      // code ...
      break;
  }
}
```

```
    }  
  } ) ;
```

v3.1.28

- fixed issue with double request of widgets with custom data source
- for small shared widgets, mobile pager(from responsive design) now hidden
- fixed issue with button icons on pie chart if DSW hosted not in root (#219)

[Config-API](#) by [Lorenzo Scalese](#)

v1.1.0

Add mirroring configuration support.

v1.1.1

Enhancement : export configuration.

v1.1.2

Fix export config to file

[Serenji](#) by [John Murray](#)

v3.2.0

- Debugging
 - Option to break on error when a handler exists (Try/Catch, \$ETRAP or \$ZTRAP).
 - Display WRITE command output when debugging.
 - Support configurationless debugging. If your workspace root folders already contain a launch.json file in the .vscode folder you will be prompted to delete it on first use.
 - Support running without debugging.
 - Make the 'Pause' button work.
 - Offer 'Run' and 'Debug' CodeLenses above each classmethod. Settings (e.g. "serenji.codeLenses.debug.cls": false) allow these to be hidden per file type.
 - Contribute 'Run' and 'Debug' options to editor command button.
 - Use dynamic configurations to leverage VS Code's support for multiple concurrent debug sessions and consoles.
 - Improve prompting for entrypoint and arguments when starting to debug a classmethod / procedure / subroutine / extrinsic function.
 - Return focus to class or MAC document after debugging through its INT code.
 - Add helptext and commands to empty Debug view.
 - Pre-fill namespace selector where possible when launching debugging.
 - Include namespaces using remote databases in namespace selector.
 - Use server's connectTimeout setting during debug connect.
 - Add command for requesting a debug license.
 - Improve messages when debug license is needed.
 - Make 'Never' option on debug license dialog work properly.
 - Fix double-encoded debug license request email link bug.
- Add walkthrough to Welcome page.
- Add guidance to empty Explorer view.
- Contribute commands to Remote Indicator (left end of status bar).
- Coexist better with other ObjectScript extensions.

- Add Serenji commands to InterSystems Server Manager tree's namespaces.
- Add Explorer context menu option for adding Serenji folder to workspace.
- Add new folder to end of workspace rather than start.
- Use a different background for read-only documents when not debugging. Customizable as `serenji.readonly.background`, for example: `json { "workbench.colorCustomizations": { "serenji.readonly.background": "#FF000020" } }`
- Improve how filepaths are displayed.
- Respect other server-side source control classes as well as Deltanji's.
- Fix error that reported an undefined 'folders' variable.
- Fix rare issue that caused an ECONNREFUSED error.
- Add `dataTimeout` setting and default it to 20 seconds.
- Add option to ignore warning about mismatch between client and server versions.
- Add dependency on the `georgejames.gjlocate` extension.
- Update dependent packages.
- Embedded Deltanji Solo changes:
 - Fix full-type Change Request diff in Beyond Compare fetching wrong versions for Previous folder.
 - Correct searching for all-numeric Change Requests.
 - Support simplified Locations & Routes diagrams.

[JSON2Persistent](#) by [Michael Braam](#)

v1.0.3

Added REST API

[Kano MDM](#) by [Ludmyla Valerko](#)

v2021.1

New logo

[CubeEventMonitor](#) by [Samuel Duncan](#)

v0.1.8

- add email alert if cube registry fails validation
- correct bug in BuildErrors class storage definition

[DBeaver](#) by [Serge Rider](#)

v21.2.0

- Forward engineering in entity diagrams (ERD) was added
- Database tasks can be organised in folders now
- Schema compare in DBeaver supports Liquibase Pro features
- SSH jump servers support was added
- Navigator mode “ Show all tables in a single list ” was added
- Visual query builder: cross joins support and extra configuration options were added
- SQL editor: output and log panels UI was improved, script variables panel was added
- Data editor:
 - Multi-row record mode support was added
 - Row coloring supports LIKE and REGEX conditions now
 - A lot of minor interface improvements were added

- Data transfer:
 - Data export from document databases to flat files was improved
 - Multiple improvements in column mappings
 - Configuration for performance tuning was added

Top 10 downloads of the month

[VSCode-ObjectScript](#)

by [Dmitry Maslennikov](#)



75

[PythonGateway](#)

by [Eduard Lebedyuk](#)



36

[AlertDashboard](#)

by [John Pan](#)



22

[ObjectScript Package Manager](#)

by [Evgeny Shvarov](#)



21

[pop-song-analytics](#)

by [Henry Hamon Pereira](#)



15

[WebTerminal](#)

by [Nikita Savchenko](#)



13

[Caché Monitor](#)

by [Andreas Schneider](#)



12

[iris-analytics-template](#)

by [Evgeny Shvarov](#)



12

[Analytics OKR](#)

by [YURI MARX PEREIRA GOMES](#)



12

[iris-analytics-for-money](#)

by [Oliver Wilms](#)



12

Top 10 downloads of all time

[VSCode-ObjectScript](#)

by [Dmitry Maslennikov](#)



1,584

[iris-history-monitor](#)

by [Henrique Gonçalves Dias](#)



1,111

[PythonGateway](#)

by [Eduard Lebedyuk](#)



995

[Serenji](#)

by [John Murray](#)



419

[ObjectScript Package Manager](#)

by [Evgeny Shvarov](#)



287

[AnalyzeThis](#)

by [Peter Steiwer](#)



262

[WebTerminal](#)

by [Nikita Savchenko](#)



247

[Caché Monitor](#)

by [Andreas Schneider](#)



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[DeepSeeButtons](#)

by [Peter Steiwer](#)



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[ObjectScript-Math](#)

by [Peter Steiwer](#)



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