Announcement
Anastasia Dyubaylo · Aug 1, 2020

InterSystems Open Exchange July 2020 Digest

Hey Developers!

Here is a digest of new solutions and applications submitted to the InterSystems Open Exchange in July 2020.
General stats:
299 published applications
435 downloads in July
653 developers joined

New applications (37)
SAPPHIRE by YURI MARX PEREIRA GOMES

SAPPHIRE is an web application to create and train your InterSystems IntegratedML models. You can load CSV data too. It is business user friendly.
iris-integratedml-monitor-example by José Roberto Pereira Jr

Example on extending %Monitor.Adaptor to monitor IRIS IntegrateML models performance metrics.
iris-ml-suite by Renato Banzai

A suite to use IRIS as Machine Learning Environment. Helping the development community to classify the posts with tags.
ESKLP by Aleksandr Kalinin

Application demonstrates using Python and InterSystems IRIS to resolve linear regression in task of checking similarity of two text strings
ML Made Easy : IntegratedML by Aleksandar Kovacevic

A guide through the IntegratedML used as a hands-on session on InterSystems DACH PartnerTag 2020. It is based on work of Derek Robinson and documentation of InterSystems.
Light weight EXCEL download by Robert Cemper

Create a table in CSP and store it locally for EXCEL
pex-demo by Eduard Lebedyuk

Demo showcasing InterSystems IRIS integration with Kafka via PEX (java, .net)
fast JSON formatting for Cache by Robert Cemper

fast JSON formatting for Caché / Ensemble
Simple remote server control by Robert Cemper

Simple Server Communication over TCP/IP
Full OBJ Dump by Robert Cemper

Extended object dump example
iris-analytics-template by Evgeny Shvarov

Basic template for IRIS Analytics solutions
Zpipe by Robert Cemper

Example of using CPIPE programatically
Organize ZLANG by Robert Cemper

Clean-up your %ZLANG *OO
InterJob communication Demo by Robert Cemper

Demo of IJC
zpmshow by Robert Cemper

Helper to List, Install, Uninstall ZPM packages
objectscript-errors by Evgeny Shvarov

Example class which reproduces typical ObjectScript errors
[Terminal Multi-Line Command Editor](#) *by* [Robert Cemper](#)

Terminal Multi-Line Input + Editor
[SUDOKU Demo in Spanish](#) *by* [Robert Cemper](#)

Sudoku demo in Spanish
[SUDOKU Demo](#) *by* [Robert Cemper](#)

A demo in traditional style COS
[ZPretty /ISJSON](#) *by* [Robert Cemper](#)

Wrap JSON to multi lines /Test ISJSON
[SPOOL-demo](#) *by* [Robert Cemper](#)

Demo Code using SPOOL
[IRIS-NativeAPI Node.js compact](#) *by* [Robert Cemper](#)

an all-in-1 package of the WebSocket MicroService Demo
[fast JSON formatting in IRIS](#) *by* [Robert Cemper](#)

fast JSON formatting in IRIS
[snapshot to JSON](#) *by* [Robert Cemper](#)

Use %JSON.Adaptor for object snapshot
[DotEnv](#) *by* [Rubens Silva](#)

Load environment variables from .dotenv files or straight from the OS to Caché
[SQL for ^ERRORS Global](#) *by* [Robert Cemper](#)

Map ^ERRORS Global and have a custom query for full content
[WebSocketClient.js](#) *by* [Robert Cemper](#)

WebSocket Client in Node.js
[WebSocketIRIS.js](#) *by* [Robert Cemper](#)

WebSocketClient.js for IRIS Native API
[IRIS Docker micro Durability](#) *by* [Robert Cemper](#)

allow small durability for demo and developent
[Sync Data with DSTIME](#) *by* [Robert Cemper](#)

Synchronizing your data to some external DB
[SPOOL mapping](#) *by* [Robert Cemper](#)

Presenting ^SPOOL as Class /Table
[function ISJSON](#) *by* [Robert Cemper](#)

A function to check if string is JSON object
[The adopted Bitmap](#) *by* [Robert Cemper](#)

How to enable Bitmaps for nonstandard IDs
[Background Jobs over ECP](#) *by* [Robert Cemper](#)

start background job on connected ECP server
[WebSocketClient CSP based](#) *by* [Robert Cemper](#)

Extended CSP page consuming WebService as Client
[IRIS EchoServer for WebSockets](#) *by* [Robert Cemper](#)

WebSocket Echo Server for IRIS as known from Caché /Ensemble
[IRIS internal WebSocket Client](#) *by* [Robert Cemper](#)

Using %Net.WebSocket feature available in IRIS

`New releases (114)`

[ClassExplorer](#) *by* [Nikita Savchenko](#)

v2020.1 Make it published from GitHub via ZPM
[NavMethodsForIndexedProperties](#) *by* [Vasiliy Bondar](#)

v1.0.1 - Rename zpm name package.
[GitHubAPI](#) *by* [Eduard Lebedyuk](#)

v1.0.2 - Drafts
[Terminal Multi-Line Command Editor](#) *by* [Robert Cemper](#)

v1.0.2 retry publish in ZPM, v1.0.3 fix module.xml , v1.0.4 add Support warning, v1.0.5 update version for ZPM,

v1.0.6 added image
[RestFormsUI2](#) *by* [Anton Gnibeda](#)

v0.9.1 * added BaseEditor component * refactored validation - moved to separate service * added array component with objects/strings support * added validation for object arrays * added reordering for arrays * added support for list fields * added "navigate to" buttons for object fields and objects in arrays * added initial support for modals * added object selector component * added support for %jsonreference="ID" on some fields * fixed issue with data loading for forms with many depended fields * fixed issue with dropdown overflow at the end of the lists, v0.9.2 added missing files to dist, v1.0.0 * fixed scroll issue with error messages * added multiline errors support * added modal confirmation for deletion * added modal message after saving * added multiple columns support for lists * added support for time and posix time fields * optimized form loading and data processing * fixed issue with spinner overlap * now window scrolls to first validation error when user press "save" button * now errors shown narrow and multiline * added validation for arrays * added support for int type in arrays * fixed issue with big integer numbers * fixed issue with slashes in ID

iris-integratedml-monitor-example *by* José Roberto Pereira Jr

v1.0.0 Initial Release, v1.0.1 Several project updates, v1.0.2 Notebook update and link to it on documentation, v1.0.3 Methods refactoring; Changing query to get latest validation for each model; Updating documentation, v1.0.4 Final release for contest., v1.0.5 Final version

posts-and-tags-dataset *by* Semen Makarov

v1.0.1 Comments were added to dataset, v1.0.2 Classnames were changed for csvgen compatibility

iris-analytics-template *by* Evgeny Shvarov

v1.0.0 Initial Release

iris-ml-suite *by* Renato Banzai

v1.0.0 Initial Release, v1.0.1 Improving readme and uploading the predictor. URL Demo to show the model working., v1.0.2 IntegratedML Prediction, v1.0.3 Fixed IntegratedML, v1.0.4 Youtube video, v1.0.5 Port correction for python

ESKLP *by* Aleksandr Kalinin

v1.0.0 Initial Release, v1.0.1 Added web-example for description

SAPPHIRE *by* YURI MARX PEREIRA GOMES

v1.0.0 Initial Release, v1.0.1 YouTube video and fixes to the model creation

csvgen *by* Evgeny Shvarov

v1.1.6 files with less than 5 lines fix

WebSocketClient.js *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add image

WebSocketIRIS.js *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add image

WebSocket Client JS with IRIS Native API as Docker Micro Server *by* Robert Cemper

v1.0.4 add Support warning, v1.0.5 add logo

Terminal Multi-Line Option *by* Robert Cemper

v1.0.4 add Support warning, v1.0.5 add image

pex-demo *by* Eduard Lebedyuk

v1.0.0 Initial Release

ML Made Easy : IntegratedML *by* Aleksandar Kovacevic

v1.0.0 Initial Release

SUDOKU Demo in Spanish *by* Robert Cemper

v1.0.0 Initial Release, v1.0.2 fix name for ZPM, v1.0.4 ZPM fix case mismatch: sudoku5es -> SUDOKU5es, v1.0.5 add image

SUDOKU Demo *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 case mismatch in ZPM, v1.0.2 add image

ZPretty /ISJSON *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 fix ZPM load, v1.0.2 add image

Zpipe *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add ZPM, v1.0.2 ZPM version fixed, v1.0.3 still mismatch in ZPM, v1.0.4 ZPM version problem, v1.0.5 add image

IRIS Docker micro Durability *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add logo
Organize ZLANG *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 typo ZPM, v1.0.2 add image
Light weight EXCEL download *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add image
Sync Data with DSTIME *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add missing class to ZPM, v1.0.2 add image
SPOOL-demo *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add image
IRIS-NativeAPI Node.js compact *by* Robert Cemper

v1.0.3 Initial Release, v1.0.4 add image
fast JSON formatting in IRIS *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 ZPM added, v1.0.2 image added, v1.0.3 update package name, v1.0.4 ZPM package update
ObjectScript Package Manager *by* Evgeny Shvarov

v0.2.4 1. fix bugs, including #104 2. `- new tag in modul.xml to specify required IRIS version and production enabled for a module ; v0.2.5 Now .DFI resources in xml format supported.
fast JSON formatting for Cache *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 fix name conflict in ZPM, v1.0.2 shorter package in ZPM, v1.0.5 fix package name in ZPM, v1.0.6 fix ZPM package name
function ISJSON *by* Robert Cemper

v1.0.1 Initial Release, v1.0.2 remove ZPretty.mac from ZPM package, v1.0.3 add logo
snapshot to JSON *by* Robert Cemper

v1.0.1 Initial Release, v1.0.2 add logo
The adopted Bitmap *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 fix class reference in demo, v1.0.2 fix missing } in Address.cls, v1.0.3 add image
InterJob communication Demo *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add logo
Background Jobs over ECP *by* Robert Cemper

v1.0.1 Initial Release, v1.0.2 image added
Simple remote server control *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add image, v1.0.2 change conflicting package Z => Zrcc
Full OBJ Dump *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 conflicting package name in ZPM, v1.0.5 fix in module.xml
WebSocketClient CSP based *by* Robert Cemper

v1.0.1 add image, fix Clss- definition
SPOOL mapping *by* Robert Cemper

v1.0.1 add image
zpmshow *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 typo in ROUTINE name
SQL for ^ERRORS Global *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 typo in ZPM
DotEnv *by* Rubens Silva

v1.0.0 Initial Release
objectscript-docker-template *by* Evgeny Shvarov

v1.0.8 Get rid of irissession.sh. Dockerfile simplified. iris.script is introduced
IRIS EchoServer for WebSockets *by* Robert Cemper

v1.0.0 Initial Release, v1.0.1 add image, review module.xml for XSLT issue
objectscript-errors *by* Evgeny Shvarov

v1.0.0 Initial Release
IRIS internal WebSocket Client *by* Robert Cemper

v1.0.0 Initial Release
Top 10 downloads of the month

iris-history-monitor

by Henrique Gonçalves Dias

51

VSCode-ObjectScript

by Dmitry Maslennikov

45

Serenji

by John Murray

32

PythonGateway

by Eduard Lebedyuk

32

ObjectScript Package Manager

by Evgeny Shvarov

11

SAPPHIRE

by YURI MARX PEREIRA GOMES

9

integratedml-demo-template
by Thomas Dyar

8

GitHubAPI
by Eduard Lebedyuk

8

iris-integratedml-monitor-example
by José Roberto Pereira Jr

7

ClassExplorer
by Nikita Savchenko

6

Top 10 downloads of all time
iris-history-monitor
by Henrique Gonçalves Dias

862

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

783

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

485

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

252

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

176

[WebTerminal](#)
by [Nikita Savchenko](#)

162

ObjectScript Package Manager
by Evgeny Shvarov

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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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#Digest #Open Exchange

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