
Article

[Yuri Marx](#) · Jan 21, 2022 4m read

Learning IRIS and Caché by Robert Cemper

[@Robert Cemper](#) is the most active and widely read member of the community (Best Seller!). So nothing better than learning InterSystems technologies from over 100 articles by him. I curated the articles, selecting the best ones by subject:

Articles about SQL

[DB Migration using SQLgateway](#) DB migrations to IRIS using SQLgateways.

[Dataset Lightweight M:N](#) and [M:N Relationship](#) Advanced SQL relationships

[Using ClassQueries\(\) as Tables](#) Using ClassQueries as tables (like views using objectsript)

[Effective use of Collection Indexing and Querying Collections through SQL](#) Index SQL query collections

[Show Global by SQL SELECT](#) SQL statements to see globals

[SQL for ^ERROR Global](#) SQL statement to get ^ERROR global

[SPOOL as SQL Table](#) SQL statement to get the SPOOL report

[Materialized Views](#) How to do "materialized view" with IRIS

[Semi-Persistent Classes and Tables](#) Persist only you need in the class

[Static WHERE Conditions](#) Using sql class methods to filter data inside where

[Repairing your Index](#) Rebuild your indices

Articles about Python and Native API

[AoC2021-rc](#) 25 code samples using Embedded Python

[Using ZPM for Node.js](#) using zpm modules from Node.js

[WebSocket Client with embedded Python](#) web socket with Python inside IRIS

[Trying Embedded Python](#) python sample inside IRIS

[Native API for ObjectScript Demo](#) and [IRIS Native API for ObjectScript](#) simple NativeAPI demos

[IRIS-NativeAPI-Nodejs-compact](#) and [WebSocket Client JS with IRIS Native API as Docker Micro Server](#) light docker instance for Node.js NativeAPI

[Client for WebSockets based on Node.js](#) web sockets with Node.js

Articles About Globals, ObjectScript, ZPM and COS

[Traditional Debugging in ObjectScript](#) Debug your ObjectScript code

[The future position of ObjectScript](#) The future of ObjectScript development

[Helper for ObjectScript Language Extensions](#) Helper app to extend ObjectScript

[FOREACH for ObjectScript](#) Macro to foreach into Object Script

[ObjectScript over ODBC](#) Using ODBC into ObjectScript

[Global Scanning & Slicing](#) Print details about globals in any level

[ZPMshow - a helper for tired fingers](#) How to use ZPM

[Un-Typical persistence](#) Advanced tip about persistence

[snapshot to JSON](#) Object to JSON

[A function to check if string is JSON object](#) The string is a valid JSON object?

[fast JSON formatting for Caché / Ensemble](#) and [fast JSON formatting for IRIS](#) Pretty format your JSON string

[Organize %ZLANG**](#) Tips about ZLANG

[Wrap JSON to multi lines / Test ISJSON](#) JSON multiline processing

[Parameter passing to Language Extensions](#) Passing values to parameters for language extensions
(SystemFunctions, SystemVariables, SystemCommands)

[Terminal Multi-Line Command Editor](#) and [Terminal Multi-Line Option](#) Multi-line terminal

[Backport %JSON.* to Caché](#) %JSON code into Caché

[Moving Code from IRIS to Caché](#) Migrate code from IRIS to Caché

[Multidimensional Property Persistence - Part 1 \(Classic\)](#) Persist multidimensional properties

[SUDOKU demo](#) SUDOKU with ObjectScript

[Synchronize Data with DSTIME](#) DSTime sample

[Adopted Bitmaps example now on Open Exchange](#) and [The adopted Bitmap](#) App sample about using BITMAPS

[Client for WebSockets based on CSP](#) Calling web socket over CSP page

[Execute Server Commands from Caché / Ensemble / IRIS](#) Server commands into caché/ensemble and IRIS nodes.

[Sharding evaluation #1](#) and [Manual Setup of Sharding](#) Sharding with IRIS

[Global Time Management](#) UTC time inside datetime properties

[Summary on Local Variable Scoping](#) Variable scopings

[The 'unlimited' UNIQUE index](#) Technique to UNIQUE indexes

[@Indirection and EXECUTE - why ?](#) Dynamic calling

[Light weight EXCEL download](#) Dataset as excel file

[Date before Dec.1840 ? Negative \\$H\(orolog\) ?](#) About dates

Articles about Interoperability

[Generating OFX \[V1\]](#) Custom production for MS OFX format

Articles about IRIS Infrastructure and docker

[Storage Considerations on large data sets](#) Dealing with large datasets

[Docker Desktop Windows - disk space consumption](#) About docker disk space management

[SSH for IRIS container](#) Enable SSH access to the IRIS env.

[How to execute IRIS restart from inside](#) Restart IRIS correctly

[Splitting an IRIS db to multiple drives](#) Creating distributed HD drives for IRIS

[How to shrink IRISTEMP db in runtime?](#) Save IRISTEMP disk allocation

[IRIS easy ECP workbench](#) Using ECP in IRIS

[Making development in Docker environment easier](#) Hacker tips to get easier docker dev with community docker templates

[Using ECP across IRIS and Caché](#) ECP when you have IRIS and Cache together

[ECP between IRIS and Caché / Ensemble](#) ECP when you have IRIS, Cache and Ensemble together

[moving code between IRIS and CACHE](#) Migrate code between IRIS and Cache

[Break in case of Emergency](#) Save your day with this article

[IRIS-Docker-micro-Durability](#) Preserve parameters when run docker instance again

[Docker vs. Durability](#) Docker instances with low resources available

[WebSocket Client IRIS internal](#) %Net.WebSocket.Client

[WebSocket Echo Server in IRIS](#) Web socket demo

[A more useFull Object Dump](#) App to do dump

[Using Interjob communication \(IJC\)](#) Using IJC

[Background Jobs over ECP](#) Distributed jobs

[Simple Remote Server Control](#) Monitor your servers

[SPOOL - the forgotten device](#) SPOOL management

Articles about Other Topics

[Successful Troubleshooting](#) About Analytic Troubleshooting (ATS)

[Thanks](#) Mr. Cemper, we who thank you

[From The Roots to InterSystems](#) InterSystems history (a little)

[#InterSystems IRIS](#)

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