

文章

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社区文章汇总--跟着社区学习InterSystems 技术

在这篇文章中，你可以访问InterSystems开发者社区中与学习InterSystems IRIS最相关主题的文章库。找到按机器学习、嵌入式Python、JSON、API和REST应用、管理和配置InterSystems环境、Docker和云、VSCode、SQL、分析/BI、全局、安全、DevOps、互操作性、Native API排列的顶级发表的文章。快来享受学习的乐趣吧!

机器学习

机器学习是建立先进的数据分析和自动化人工活动的一种必要的技术，具有很好的效率。它可以创建认知模型，从现有的数据中学习，并根据其自我调整的算法进行预测、概率计算、分类、识别和 "非创造性 "的人类活动的自动化。

在所有情况下，InterSystems IRIS作为一个数据平台和环境来创建、执行、提供和使用这些机器学习模型。IRIS能够从SQL命令（IntegratedML）中使用ML，使用嵌入式Python和PMML（预测模型标记语言）来执行ML。你可以在以下文章中查看它的功能:

??	描述	地址URL
一体化机器学习动手实验	一体化机器学习概览ML	https://cn.community.intersystems.com/node/517656
AI Robotization with InterSystems IRIS Data Platform (英文)	AI on IRIS productions	https://community.intersystems.com/post/ai-robotization-intersystems-iris-data-platform
利用IRIS 一体化机器学习IntegratedML来预测糖尿病的Web 应用	???????????	https://cn.community.intersystems.com/node/519381
Predict Maternal Health Risks (英文)	???????????	https://community.intersystems.com/post/predict-maternal-health-risks
Using Machine Learning to Organize the Community – 1 (英文)	Using Python ML libraries	https://community.intersystems.com/post/using-machine-learning-organize-community-1

ObjectScript 语言

ObjectScript是InterSystems的官方编程语言。它简单、灵活，在创建后台、集成和分析应用程序方面非常强大。请查阅以下文章以了解更多信息：

标题	描述	地址URL
InterSystems ObjectScript 101++ (英文)	Video series to learn ObjectScript	https://community.intersystems.com/post/intersystems-objectsript-101
On \$Sequence function (英文)	Create sequences of numbers	https://community.intersystems.com/post/sequence-function
Writing better-performing loops in Caché ObjectScript (英文)	Do loops	https://community.intersystems.com/post/writing-better-performing-loops-in-cach%C3%A9-objectsript
数据匿名化 IRIS-Disguise 工具介绍	学习如何定制化 ObjectScript 持久化类和属性	https://cn.community.intersystems.com/node/509271
ObjectScript 错误处理片段	异常处理	https://cn.community.intersystems.com/node/523756
Traditional Debugging in ObjectScript (英文)	Debug技巧	https://community.intersystems.com/post/traditional-debugging-in-objectsript
在Caché中使用正则表达式	使用正则表达式	https://cn.community.intersystems.com/node/487941
Robust Error Handling and Cleanup in ObjectScript (英文)	高质量代码	https://community.intersystems.com/post/robust-error-handling-and-cleanup-in-objectsript
SPOOL - the forgotten device (英文)	使用 Spool	https://community.intersystems.com/post/spool-forgotten-device
How we learned to stop worrying and love InterSystems Ensemble (英文)	Processing JSON on Productions	https://community.intersystems.com/post/how-we-learned-stop-worrying-and-love-intersystems-ensemble
一个更有用的 Object Dump	对象Dumping	https://cn.community.intersystems.com/node/523761
Logging using macros in InterSystems IRIS (英文)	Logging using macros	https://community.intersystems.com/post/logging-using-macros-in-iris
SYSLOG - what it really is and what it	Debug information on Syslog	https://community.intersystems.com/post/syslog-what-it-really-is-and-what-it

标题	描述	地址URL
means (英文)		
Tips for debugging with %Status (英文)	Debug using %Status	https://community.intersystems.com/post/tips-debugging-status
发挥 \$Query 的最大作用	使用 \$Query 查找数据	https://cn.community.intersystems.com/node/519806
Multidimensional Property Persistence - Part 1 (Classic) (英文)	Multidimensional persistent properties	https://community.intersystems.com/post/multidimensional-property-persistence-part-1-classic
The adopted Bitmap (英文)	Bitmap indexes	https://community.intersystems.com/post/adopted-bitmap
如何成为时间领主 - 诞生	日期和时间API	https://cn.community.intersystems.com/node/513356
Importance and Collection of Exact Version Information (\$zv / \$zversion) (英文)	Get IRIS version	https://community.intersystems.com/post/importance-and-collection-of-exact-version-information-zv-zversion
Date before Dec.1840 ? Negative \$H(orolog) ? (英文)	日期为负	https://community.intersystems.com/post/date-dec1840-negative-h-orolog
Creating a Custom Index Type in Caché (英文)	创建定制索引	https://community.intersystems.com/post/creating-custom-index-type-in-cache
\$LIST string format and %DynamicArray and %DynamicObject classes (英文)	Using \$LIST, Dynamic Object, and Dynamic Arrays	https://community.intersystems.com/post/list-string-format-and-dynamic-object-classes
SQL for ^ERROR Global (英文)	Use SQL to see Error content	https://community.intersystems.com/post/sql-error-global
Add a default setting value by code (英文)	设置默认值	https://community.intersystems.com/post/add-default-setting-value-by-code
Iterate over dynamic object (英文)	Use Iterate	https://community.intersystems.com/post/iterate-over-dynamic-object
列出类的所有属性 (我喜欢 ObjectScript 的原因)	ObjectScript 属性详解	https://cn.community.intersystems.com/node/512981

标题	描述	地址URL
Try catch block I usually use in InterSystems ObjectScript (英文)	Try Catch 处理	https://community.intersystems.com/post/try-catch-block-i-usual-intersystems-objectscript
在ObjectScript中运行shell命令	Run shell commands	https://cn.community.intersystems.com/node/523766

嵌入式 Python

Python是世界上最流行和最常用的编程语言之一 (<https://www.tiobe.com/tiobe-index/>)。InterSystems IRIS是一个对所有主要编程语言开放的数据平台。然而,说到Python,这种神奇的语言和它的库在IRIS中到处都可以使用:在类、SQL和集成/制作中。对于那些不知道或不想知道ObjectScript (InterSystems编程语言)的人来说,这是一个不错的选择。请看下面的文章,了解如何做到这一点:

??	??	URL地址
Let's fight against the machines (英文)	Build a tic tac toe game using Embedded Python	https://community.intersystems.com/post/lets-fight-against-machines
InterSystems IRIS 2021.2+ Python 代码样例 (Embedded 嵌入式Python, Native 原生APIs 和 Notebooks)	使用 Python notebook 和 IRIS	https://cn.community.intersystems.com/node/508691
WebSocket Client with embedded Python (英文)	Custom Socket sample	https://community.intersystems.com/post/websocket-client-embedded-python
IRIS Python Native API in AWS Lambda (英文)	Python on AWS	https://community.intersystems.com/post/iris-python-native-api-aws-lambda
How I added ObjectScript to Jupyter Notebooks (英文)	IRIS on notebooks	https://community.intersystems.com/post/how-i-added-objectscript-jupyter-notebooks
Welcome Django (英文)	Create Python Django apps with IRIS as a database	https://community.intersystems.com/post/welcome-django
Geocoding with IRIS and Google Maps API (英文)	Using Geocoding python library	https://community.intersystems.com/post/geocoding-iris-and-google-maps-api
使用IRIS 和Python gTTS 实现文本转化声音的REST服务	使用 gTTS 的Python 案例	https://cn.community.intersystems.com/node/517551

??	??	URL地址
使用 Python Flask Web 框架构建 IRIS 响应式仪表盘	基于IRIS 的Flask web 应用	https://cn.community.intersystems.com/node/513086

JSON

JSON 是市场上最广泛使用的发送和接收数据的互操作性格式之一。InterSystems IRIS以多种方式支持这种格式。可以让你的本地数据库使用JSON (DocDB)，序列化和反序列化对象，用JSON处理请求和响应，特别是来自REST服务的请求和响应。回顾以下文章：

标题	描述	URL地址
Introducing new JSON capabilities in Caché 2016.1 (英文)	Presenting ObjectScript JSON API	https://community.intersystems.com/post/introducing-new-json-capabilities-cach%C3%A9-20161
JSON Enhancements (英文)	JSON Adaptor API	https://community.intersystems.com/post/json-enhancements

API 和 REST 应用Applications

后台应用程序目前是以REST (Representational State Transfer) 范式开发的，并以Web API的形式暴露。下面的文章将帮助你了解它是如何工作的:

标题	描述	URL地址
GraphQL for InterSystems Data Platforms (英文)	Create REST API with GraphQL style	https://community.intersystems.com/post/graphql-intersystems-data-platforms
Introducing InterSystems API Manager (英文)	API Management overview	https://community.intersystems.com/post/introducing-intersystems-api-manager
Advanced URL mapping for REST	Mapping routes to your APIs	https://community.intersystems.com/post/advanced-url-mapping-rest
AppS.REST - a new REST framework for InterSystems IRIS	Create REST apps easily	https://community.intersystems.com/post/appsrest-new-rest-framework-intersystems-iris
RESTForms - REST API for your classes	Create REST API for CRUD applications	https://community.intersystems.com/post/restforms-rest-api-your-classes
使用规范优先的方式开发REST API	以合同优先的方式开发API	https://cn.community.intersystems.com/node/484341
ObjectScript REST API	REST API development tips	https://community.intersystems.com/post/objectscript-rest-api-cookbo

标题	描述	URL地址
Cookbook (英文)		
从持久类和序列类生成 Swagger 规范	Contract First Approach to develop APIs	https://cn.community.intersystems.com/node/484311
InterSystems IRIS REST Application Patterns	Create API REST using IRIS	https://community.intersystems.com/post/intersystems-iris-rest-application-patterns
Let's create an FHIR profile using SUSHI Part 1 (英文)	Create custom FHIR profiles	https://community.intersystems.com/post/lets-create-fhir-profile-using-sushi-part-1
IAM (InterSystems API Manager), Zero to Hero (英文)	Manage your APIs with IAM	https://community.intersystems.com/post/iam-intersystems-api-manage-zero-hero
Using InterSystems API Management to Load Balance an API (英文)	Use APIM to do API load balance	https://community.intersystems.com/post/using-intersystems-api-management-load-balance-api
IAM实践指南——OAuth 2.0下的API保卫战 (第一部分)	Secure your API using APIM	https://cn.community.intersystems.com/node/487141
Getting an Angular UI for your InterSystems IRIS application in 5 minutes (英文)	Full Stack app with IRIS and Angular	https://community.intersystems.com/post/getting-angular-ui-your-intersystems-iris-application-5-minutes
Upload into an InterSystems IRIS REST API (英文)	Save files using REST API	https://community.intersystems.com/post/upload-intersystems-iris-rest-api

管理和配置InterSystems环境

IRIS环境的良好管理和配置对用户使用的应用程序的性能、安全性、可用性和可靠性至关重要。这些文章可以给你很好的提示，告诉你如何做到这一点：

标题	描述	URL地址
InterSystems 数据平台的容量规划和性能系列文章	容量和性能规划提升	https://cn.community.intersystems.com/node/483921
Deploying Applications in InterSystems Cache with %Installer (英文)	Using %Installer to create namespaces, databases, and applications	https://community.intersystems.com/post/deploying-applications-intersystems-cache-installer

标题	描述	URL地址
	configuration	
Horizontal Scalability with InterSystems IRIS (英文)	Set IRIS instances for horizontal scalability	https://community.intersystems.com/post/horizontal-scalability-intersystems-iris
The InterSystems Iris Fhirserver running on a Raspberry Pi Raspberry running as a FHIRserver (英文)	Run IRIS inside Raspberry PI	https://community.intersystems.com/post/intersystems-iris-fhirserver-running-raspberry-pi-raspberry-running-fhirserver
Database Mirroring without a Virtual IP Address (英文)	Set mirrors using VIP	https://community.intersystems.com/post/database-mirroring-without-virtual-ip-address
Apache Web Gateway with Docker (英文)	Configure SSL and Web Gateway for web applications	https://community.intersystems.com/post/apache-web-gateway-docker
Work with SAML in IRIS (英文)	SAML to Web services	https://community.intersystems.com/post/work-saml-iris
掌握 %SYSTEM.Encryption 加密类	Encrypt and decrypt using IRIS	https://cn.community.intersystems.com/node/518191

Docker 和 Cloud

新的应用架构在容器Docker和云中工作，旨在实现弹性扩展，快速安装、配置和提供服务，并降低基础设施的复杂性和成本。学习这些文章，了解如何将IRIS带入云中:

??	描述	URL地址
Highly available IRIS deployment on Kubernetes without mirroring (英文)	IRIS on cloud clusters with Kubernetes	https://community.intersystems.com/post/highly-available-iris-deployment-kubernetes-without-mirroring
面向 Amazon Web Services (AWS) 的 InterSystems IRIS 示例参考架构	基于AWS的IRIS	https://cn.community.intersystems.com/node/484351
面向 Microsoft Azure Resource Manager (ARM) 的 InterSystems 示例参考架构	基于Azure 资源管理器 (ARM) 架构的IRIS	https://cn.community.intersystems.com/node/484361
Dockerfile 和它的朋友们或者如何在 InterSystems IRIS	Docker项目里的重要文件管理	https://cn.community.intersystems.com/node/484326

??	描述	URL地址
上运行和合作 ObjectScript 项目		
InterSystems IRIS Deployment Guide for AWS using CloudFormation template (英文)	IRIS on AWS using CloudFormation	https://community.intersystems.com/post/intersystems-iris-deployment-guide-aws-using-cloudformation-template
面向 Google Cloud Platform (GCP) 的 InterSystems IRIS 示例参考架构	IRIS on Google Cloud	https://cn.community.intersystems.com/node/484056
Using AWS Glue with InterSystems IRIS (英文)	Using IRIS and AWS Glue (AWS ETL tool)	https://community.intersystems.com/post/using-aws-glue-intersystems-iris
Amazon EKS, IRIS 高可用与备份	基于AWS的IRIS高可用	https://cn.community.intersystems.com/node/517536
Running InterSystems Reports in containers (英文)	IRIS reports on Docker	https://community.intersystems.com/post/running-intersystems-reports-in-containers
Running InterSystems IRIS in a FaaS mode with Kubeless (英文)	IRIS on Kubernetes	https://community.intersystems.com/post/running-intersystems-iris-faaS-mode-kubeless
InterSystems Kubernetes Operator Deep Dive: Introduction to Kubernetes Operators (英文)	IRIS on Kubernetes	https://community.intersystems.com/post/intersystems-kubernetes-operator-deep-dive-introduction-kubernetes-operators
Scaling Cloud Hosts and Reconfiguring InterSystems IRIS (英文)	Scaling IRIS on AWS, Azure, or GCP	https://community.intersystems.com/post/scaling-cloud-hosts-and-reconfiguring-intersystems-iris
Deploying a Simple IRIS-Based Web Application Using Amazon EKS (英文)	IRIS on AWS	https://community.intersystems.com/post/deploying-simple-iris-based-web-application-using-amazon-eks

VSCode

VSCode是世界上最常用的开发IDE之一。IRIS完全支持这个IDE。请看以下文章:

标题	描述	URL地址
GitHub 上的VSCode-ObjectScript	在网页版 Github VSCode上开发IRIS 应用	https://community.intersystems.com/post/vscode-objectscript-github
GitHub Codespaces with IRIS (英文)	Develop IRIS apps into Web Github	https://community.intersystems.com/post/github-codespaces-iris
VSCode Tips & Tricks - SOAP Wizard (英文)	Create shortcut option on VSCode	https://community.intersystems.com/post/vscode-tips-tricks-soap-wizard
Adding your own snippets to VS Code (英文)	Create snippets	https://community.intersystems.com/post/adding-your-own-snippets-vs-code

SQL

SQL是处理关系型数据库的最常用语言之一。这些文章展示了如何进行查询和数据持久性:

标题	描述	URL地址
Free Text Search: The Way To Search Your Text Fields That SQL Developers Are Hiding From You!* (英文)	Using Indexes to promote advanced search	https://community.intersystems.com/post/free-text-search-way-search-your-text-fields-sql-developers-are-hiding-you
改善日期范围查询的SQL性能	使用日期进行SQL查询	https://cn.community.intersystems.com/node/523636
Static WHERE Conditions (英文)	Where on Persistent Classes	https://community.intersystems.com/post/static-where-conditions
2021.2 SQL Feature Spotlight - Run Time Plan Choice (英文)	Select Runtime SQL Execution Plan	https://community.intersystems.com/post/20212-sql-feature-spotlight-run-time-plan-choice
New in 2020.1: the Universal Query Cache (英文)	SQL Cache	https://community.intersystems.com/post/new-20201-universal-query-cache
Materialized Views (英文)	Create views inside persistent classes	https://community.intersystems.com/post/materialized-views
SQL Debug 小技巧	Debug SQL commands	https://cn.community.intersystems.com/node/518701

标题	描述	URL地址
Using ClassQueries() as Tables (英文)	Creating views	https://community.intersystems.com/post/using-classqueries-tables
M:N Relationship (英文)	Mapping N to N relationships	https://community.intersystems.com/post/mn-relationship
Reading AWS S3 data on COVID as SQL table in IRIS (英文)	Get CSV data from AWS S3 to IRIS table	https://community.intersystems.com/post/reading-aws-s3-data-covid-sql-table-iris
The One Query Performance Trick You NEED to Know? Tune Table! (英文)	SQL tuning	https://community.intersystems.com/post/one-query-performance-trick-you-need-know-tune-table
Data Storage - Information You Must Know to Make Good Decisions When Developing (英文)	Configure the data storage section on a persistent class to get more performance	https://community.intersystems.com/post/data-storage-information-you-must-know-make-good-decisions-when-developing
Improve SQL Performance for Date Queries, AGAIN! (英文)	Tunning SQL queries for dates	https://community.intersystems.com/post/improve-sql-performance-date-queries-again
Scrollable ResultSet Pagination Sample (英文)	Paginate SQL results (see comments too)	https://community.intersystems.com/post/scrollable-resultset-pagination-sample
第 1 天：使用 InterSystems Object 和 SQL 进行开发	Concepts about SQL into InterSystems IRIS	https://cn.community.intersystems.com/node/490806
DB Migration using SQLgateway (英文)	Migrate from PostgreSQL, MySQL, and other databases to IRIS	https://community.intersystems.com/post/db-migration-using-sqlgateway
Importing CSV into the Existing Table in InterSystems IRIS (英文)	Import CSV to SQL Table	https://community.intersystems.com/post/importing-csv-existing-table-intersystems-iris
访问IRIS数据平台的四种API方式	SQL API	https://cn.community.intersystems.com/node/493276
Indexing of non-atomic attributes (英文)	Create advanced index options	https://community.intersystems.com/post/indexing-non-atomic-attributes

标题	描述	URL地址
Know Your Indices (英文)	Index creation fundamentals	https://community.intersystems.com/post/know-your-indices
Dynamic SQL to Dynamic Object (英文)	Use DynamicSQL	https://community.intersystems.com/post/dynamic-sql-dynamic-object
数据迁移工具 - 第一部分: 从 Postgres 到 IRIS	如何从其他数据库迁移到 IRIS 的系列文章	https://cn.community.intersystems.com/node/510831

BI与分析

BI和分析可以根据图形、仪表盘、摘要和详细表格中的数据分析，并根据分析员用户的导航和数据探索来做出决策。

以下是如何使用IRIS建立分析应用的方法:

标题	描述	URL地址
InterSystems IRIS 上的 COVID-19 分析	分析全球疫情的仪表盘	https://community.intersystems.com/post/covid-19-analytics-intersystems-iris
DeepSee Troubleshooting Guide (英文)	Fix problems	https://community.intersystems.com/post/deepsee-troubleshooting-guide
AnalyzeThis – Quick start into InterSystems BI (英文)	Quick start into IRIS BI	https://community.intersystems.com/post/analyzethis-%E2%80%93-quick-start-intersystems-bi
Power BI Connector for InterSystems IRIS. Part I (英文)	Using IRIS data inside Power BI	https://community.intersystems.com/post/power-bi-connector-intersystems-iris-part-i
Creating Portlets in DeepSee (英文)	Analytics Portlets with IRIS BI	https://community.intersystems.com/post/creating-portlets-deepsee
Game Of Throne Analytics or How long is Arya's Stark List (英文)	Analytics sample	https://community.intersystems.com/post/game-throne-analytics-or-how-long-aryas-stark-list
DeepSee Web: InterSystems Analytics Visualization with AngularJS. Part 1 (英文)	Web dashboards using Angular	https://community.intersystems.com/post/deepsee-web-intersystems-analytics-visualization-angularjs-part-1
Building Analytics Solution with IRIS (英文)	Present main options to do analytics with IRIS	https://community.intersystems.com/post/building-analytics-solution-iris

Globals

Globals 是IRIS中灵活存储和检索数据的关键机制，无论是SQL、类、JSON文档、BI立方体，还是其他自定义格式。在下面的文章中可以看到如何做到这一点：

??	描述	URL地址
The Art of Mapping Globals to Classes 1 of 3 (英文)	Mapping globals to SQL tables and Objects	https://community.intersystems.com/post/art-mapping-globals-classes-1-3
Globals 是管理数据的魔剑：第一部分	Globals 基础	https://cn.community.intersystems.com/node/520821
GlobalToJSON-embeddedPython-pure (英文)	Export globals to JSON	https://community.intersystems.com/post/globaltojson-embeddedpython-pure
Transactions in Global InterSystems IRIS (英文)	Manage transactions on Globals persistence	https://community.intersystems.com/post/transactions-global-intersystems-iris
Store Mindmaps using Globals (英文)	Using globals to persist mindmap data	https://community.intersystems.com/post/store-mindmaps-using-globals

安全

确保任何应用程序的安全是至关重要的。安全性与访问和授权管理有关，跟踪和审计交易，对存储和传输的内容进行加密，以及设置正确的配置参数以确保合理资源的保护。阅读这些文章，了解更多关于如何建立安全的信息：

标题	Description	URL
InterSystems IRIS 开放授权框架 (OAuth 2.0) 实现 – 第 1 部分	使用 OAuth	https://cn.community.intersystems.com/node/484366
Debugging Web (英文)	Debugging CSP and REST apps	https://community.intersystems.com/post/debugging-web
Class Queries in InterSystems IRIS (英文)	Defining SQL Queries inside Persistent classes	https://community.intersystems.com/post/class-queries-intersystems-i
在TLS/SSL中使用操作系统的证书库	利用 OS 证书实现 SSL	https://cn.community.intersystems.com/node/518186

标题	Description	URL
一致性检查 加速还是减速	保证一致性	https://cn.community.intersystems.com/node/485041
跟踪数据更改 - 审计日志 - 上篇	???????	https://cn.community.intersystems.com/node/486831
Running the Management Portal (Private Web Server) Over TLS/SSL/HTTP S (英文)	Configure SSL to IRIS Web Server	https://community.intersystems.com/post/running-management-portal-private-web-server-over-tlsslhttps
OAuth Authorization and InterSystems IRIS: Taming Trust Protocols (英文)	Using OAuth	https://community.intersystems.com/post/oauth-authorization-and-intersystems-iris-taming-trust-protocols
Using Oauth2 with SOAP (Web)Service s (英文)	Oauth setting for SOAP services	https://community.intersystems.com/post/using-oauth2-soap-webservices
DeepSee: Setting up security - Part 1 of 5 (英文)	Security on IRIS BI	https://community.intersystems.com/post/deepsee-setting-security-part-1-5
Changes to the security level of the system (英文)	Security by default	https://community.intersystems.com/post/changes-security-level-system

DevOps

DevOps是一种采用实践和工具的方式，使源代码从开发（Dev）到生产运行（Ops）的快速和高质量的过渡成为可能。请看如何在IRIS中做到这一点。

题目	描述	URL地址
Continuous Delivery of your InterSystems solution using GitLab - Part I: Git (英文)	Continuous delivery with GitLab	https://community.intersystems.com/post/continuous-delivery-your-intersystems-solution-using-gitlab-part-i-git
Introducing InterSystems ObjectScript Package Manager (英文)	Use ZPM to configure and install third-party packages inside your application	https://community.intersystems.com/post/introducing-intersystems-objectscript-package-manager
ZPMshow - a helper for tired fingers (英文)	How to use ZPM – IRIS Package Manager	https://community.intersystems.com/post/zpmshow-helper-tired-fingers

题目	描述	URL地址
如何以自动化方式/编程方式创建一个镜像环境	自动化创建镜像	https://cn.community.intersystems.com/node/512986
ObjectScript包管理器中的单元测试和测试覆盖率	为ObjectScript代码质量创建单元测试	https://cn.community.intersystems.com/node/486826
使用Doker和配置文件模版来部署Sharded 集群	使用 CPF文件自动化配置	https://cn.community.intersystems.com/node/518356
Caché ObjectScript 快速参考	ObjectScript reference pdf document	https://cn.community.intersystems.com/node/523791
The Anatomy of ZPM Module: Packaging Your InterSystems Solution (英文)	Use ZPM to automate deployment	https://community.intersystems.com/post/anatomy-zpm-module-packaging-your-intersystems-solution
在IRIS容器里添加VSCode	在容器中嵌入VSCode	https://cn.community.intersystems.com/node/516431
如何以编程/自动化方式为InterSystems IRIS创建新的数据库、命名空间和Web应用程序	自动化创建数据库和命名空间	https://cn.community.intersystems.com/node/523796
Unit Tests: Quality of your ObjectScript Code (英文)	Quality Assurance with Unit Tests	https://community.intersystems.com/post/unit-tests-quality-your-objectscript-code
一些有用的 InterSystems 开发者社区 Docker Images镜像	Docker社区镜像	https://cn.community.intersystems.com/node/515076

互操作性

IRIS有一个强大的数据和应用互操作性总线。通过以下文章了解如何使用它。

题目	描述	URL
Sending Alerts from Ensemble via Telegram (英文)	Production to send data to telegram	https://community.intersystems.com/post/sending-alerts-ensemble-telegram

题目	描述	URL
[首次使用InterSystems IRIS]-让我们来使用互操作性!	创建BS, BO, BP和 productions	https://cn.community.intersystems.com/node/513971
使用嵌入式Python实现 InterSystems IRIS 互操作性	Python 创建BS, BO, BP和production	https://cn.community.intersystems.com/node/512176
Ensemble / Interoperability Training Course (英文)	Great sample to learn how to create productions	https://community.intersystems.com/post/ensemble-interoperability-training-course
几个程序化实现互操作性的示例	使用 Python 或 ObjectScript 程序化Productions	https://cn.community.intersystems.com/node/516221
Listing files in folder (英文)	List files in a folder	https://community.intersystems.com/post/listing-files-folder
Containerising .Net/Java Gateways (or Kafka Integration Demo) (英文)	Kafka support using Java or .Net Native API	https://community.intersystems.com/post/containerising-netjava-gateways-or-kafka-integration-demo
Implementing IRIS Integrations with .NET or Java using PEX (英文)	Using PEX to create productions using Java or .Net	https://community.intersystems.com/post/implementing-iris-integrations-net-or-java-using-pex
Migrate from Java Business Host to PEX (英文)	Using PEX	https://community.intersystems.com/post/migrate-java-business-host-pex
Using Tesseract OCR and Java Gateway (英文)	Using Java PEX	https://community.intersystems.com/post/using-tesseract-ocr-and-java-gateway
Creating a PEX Business Operation (英文)	Create Java PEX Business Operation	https://community.intersystems.com/post/creating-pex-business-operation
在IRIS中联合运用OCR与NLP技术	Java PEX 样例	https://cn.community.intersystems.com/node/494206
Creating a custom interoperability business service using an HTTP Adapter (英文)	Creating Business Services	https://community.intersystems.com/post/creating-custom-interoperability-business-service-using-http-adapter

原生 API

IRIS对市场上最常用的一些编程语言（Java、Javascript/NodeJS、.Net、C++和Python）的工作持开放态度。为了做到这一点，我们为这些语言中的每一种使用了本地API。请看这些文章：

题目	描述	URL地址
WebSocket Client JS with IRIS Native API as Docker Micro Server (英文)	Using IRIS and NodeJS to do a WebSocket	https://community.intersystems.com/post/websocket-client-js-iris-native-api-docker-micro-server
IRIS Native API for ObjectScript (英文)	Using Native APIs	https://community.intersystems.com/post/iris-native-api-objectscript
Using ZPM for Node.js (英文)	Using ZPM on Node.js projects	https://community.intersystems.com/post/using-zpm-nodejs
Creating a PDF from a Text file (英文)	Java Native API for generating PDF	https://community.intersystems.com/post/creating-pdf-text-file
How to Start Development with InterSystems IRIS in Less Than a Minute (英文)	Start to develop using IRIS	https://community.intersystems.com/post/how-start-development-intersystems-iris-less-minute
Making a blog using Python + IRIS Globals (英文)	A blog on using Python native API	https://community.intersystems.com/post/making-blog-using-python-iris-globals

[##嵌入式 Python #Docker #ObjectScript #REST API #SQL #云 #Globals #分析 #机器学习 #InterSystems IRIS](#)

源

URL:

<https://cn.community.intersystems.com/post/%E7%A4%BE%E5%8C%BA%E6%96%87%E7%AB%A0%E6%B1%87%E6%80%BB-%E8%B7%9F%E7%9D%80%E7%A4%BE%E5%8C%BA%E5%AD%A6%E4%B9%A0intersystems-%E6%8A%80%E6%9C%AF>