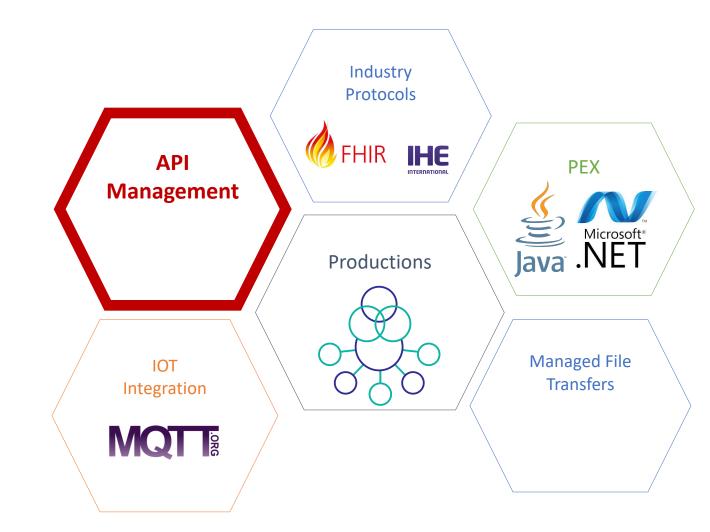
REST & API Management

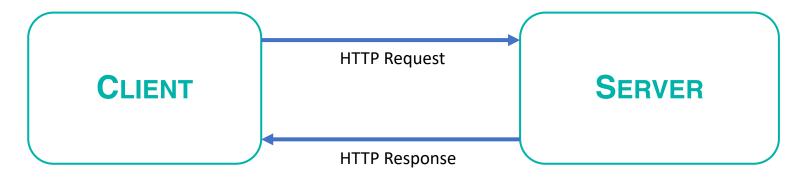
Workshop

Alberto FuentesSales Engineer



REST

GET /player/3



200 OK

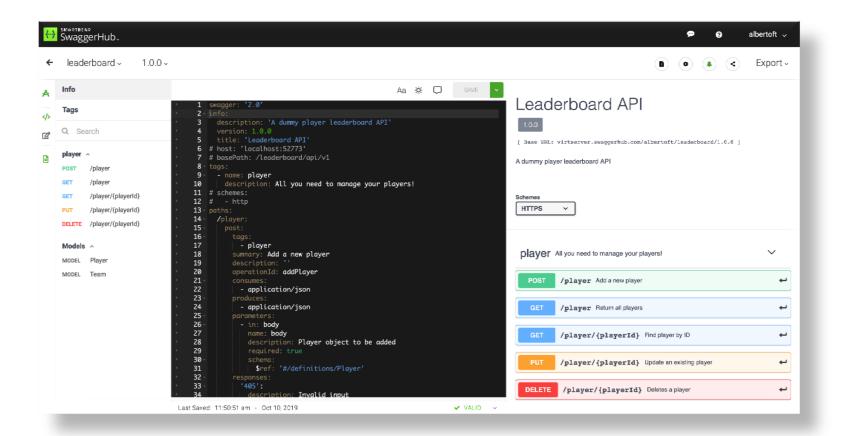
Content-Type: application/json

{"id":"3", "name": "John Doodle", "Alias": "wizard33"}

REST

METHOD	RESOURCE	ACTION
GET	/player	Get all players
GET	/player/:id	Get one player
POST	/player	Create
PUT	/player/:id	Create (or replace)
PATCH	/player/:id	Update (partially)
DELETE	/player/:id	Delete

Swagger

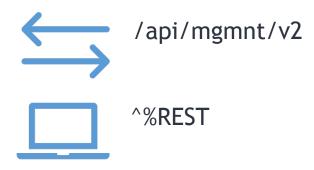


OpenAPI

Developing an API

Design-First

OpenAPI → Source Code







Code-First

Source Code → OpenAPI



Developing an API



OpenAPI specification

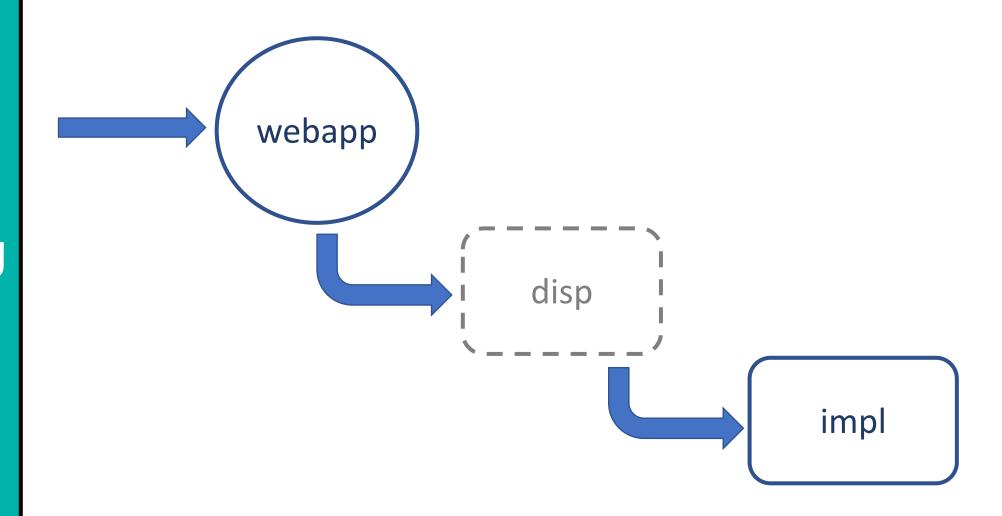


Automatically generated
Parse HTTP Request
Handle headers and HTTP Response

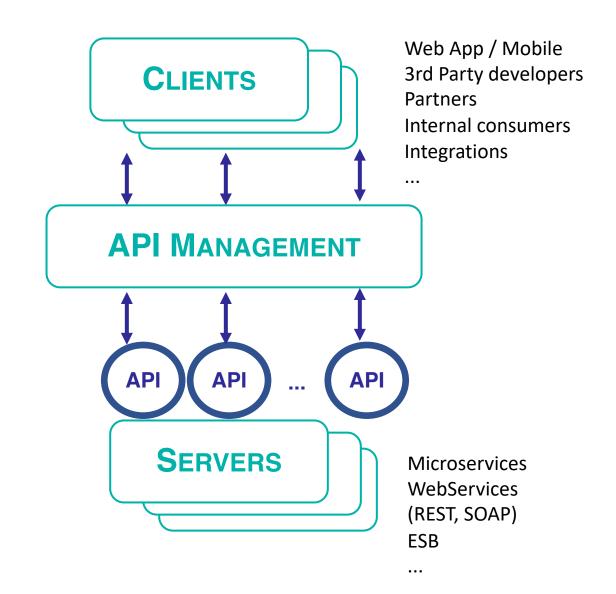


Implementation

Developing an API



Design **Security Publish** Control **Monitor Analysis**



IAM – InterSystems API Manager



- High performance
- Scalable
- Easy to deploy



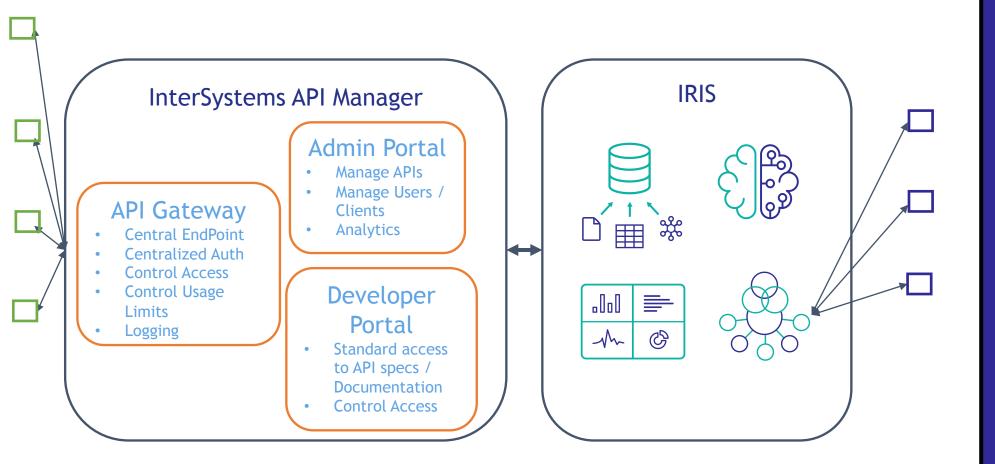
Monitor all your API traffic in one point



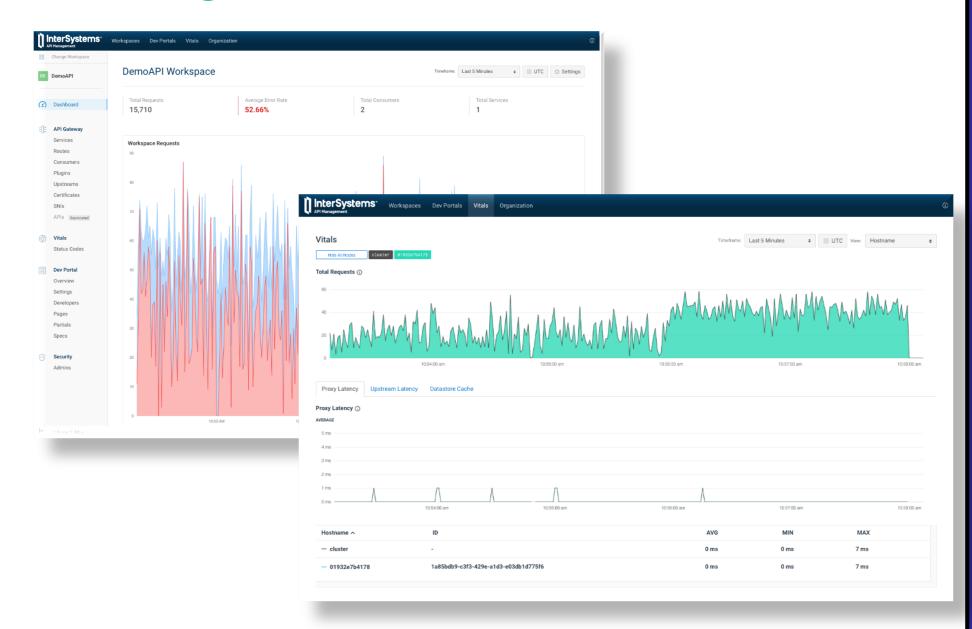
- Modular
- You can extend it using *plugins* (auth, traffic control, etc.)



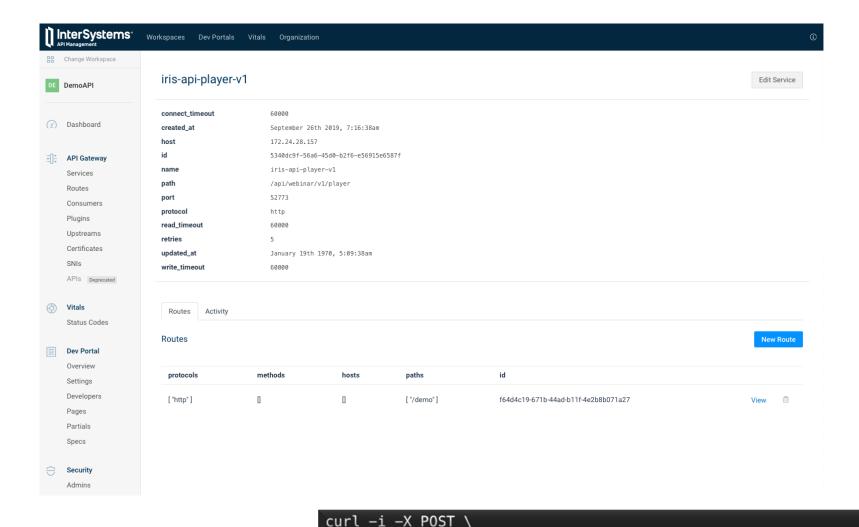
- Developer Portal
- API documentation



Monitoring



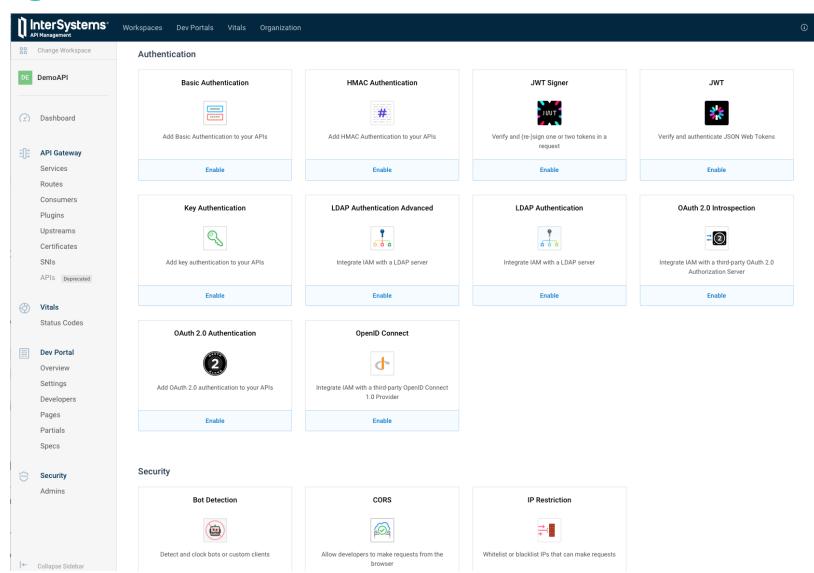
Management: UI / REST API



-data 'paths[]=/iris-coffeemaker'

--url http://localhost:8001/services/iris-coffee-service/routes \

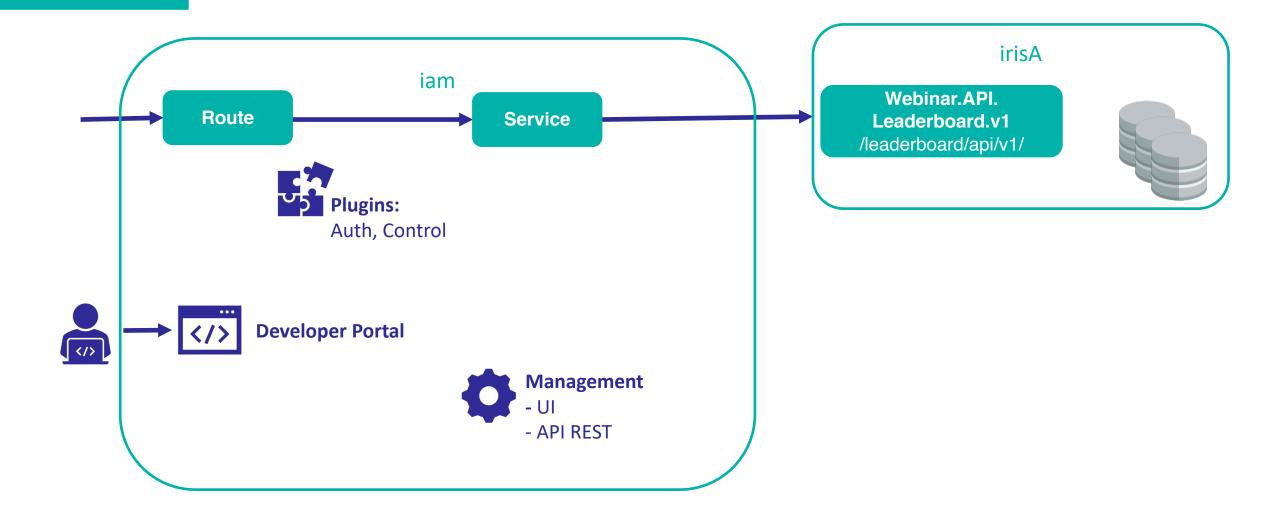
Plugins





Hands-on: Basic Scenario

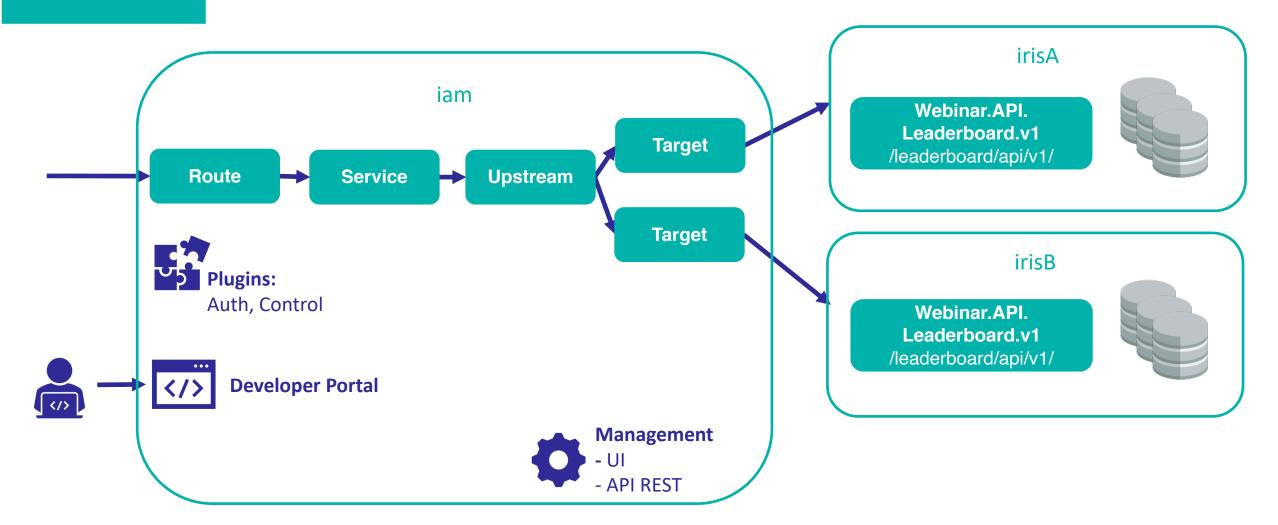
https://github.com/intersystems-ib/workshop-rest-iam





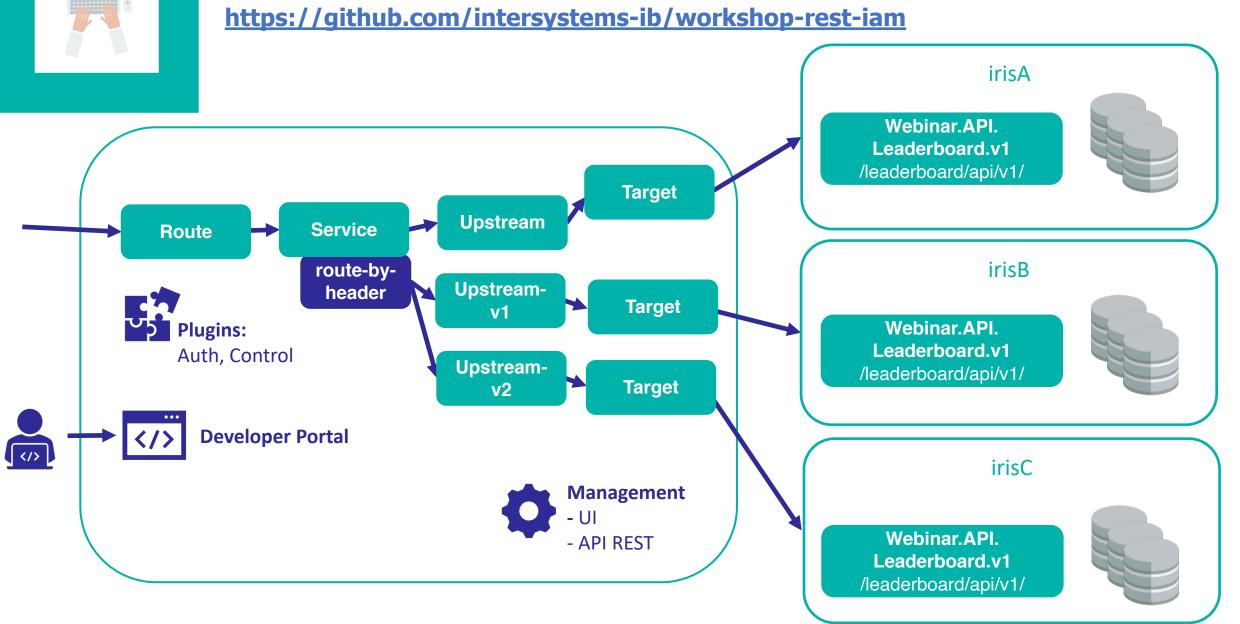
Hands-on: Load Balancing

https://github.com/intersystems-ib/workshop-rest-iam





Hands-on: Route by header





Hands-on: OAuth2 (Client Credentials)

https://github.com/intersystems-ib/workshop-rest-iam

