



MODERNIZATION WITHOUT TEARS

A 40-year modernisation journey
on InterSystems IRIS

WWW.CHADWICKSGROUP.IE

One ERP Platform

40 Years of
Business Growth

One constant:
InterSystems Technology



A HIGH-VOLUME, HIGHLY COMPLEX MERCHANTING BUSINESS



200+ Years

National Footprint

Specialist brands

High transaction volumes

BUILDERS MERCHANTS



DESTINATION BRANDS





A deeply embedded business platform

WHY ACCUSTAR WORKED

Deeply customised
 Wide operational
 functionality
 Best of Breed ecosystem
 Rich, trusted data

```

COO/skd |                               Display Coolock Stock                               | TNet/16792
-----
Item Number : 25203                      PSG : 24 CEMENT, LIME & WHI
Description : IRISH PORTLAND CEMENT 25KG                      Unit : BAG
:
Cost :      7.03 L Core      Trade :      7.73      Retail :      7.73
                        Branch Stock : 614      On LPD :      85
      10 BUILDING MATERIALS      On CRD's :      0      On Order :    1120
      110 CEMENT      On GRN's :      8      On Hire :      0
1044 CEMENT - NORMAL      On OLR :      0      On Stl Trt :      0
Location : BZ00      ON CLater:      0      On DoorSet :      0
                        On Caloff:      0
No. Of Months Stock :      0.4      Available Stock : 529
Avg. Sales (3 Mth) :      1596
FIFO Cost :      6.97 (Value : 4280)
Last Count: 9/4/26 Next Count: 9/7/26
      2026      2025
      Apr Mar Feb Jan Dec Nov Oct Sep Aug Jul Jun May Apr
Sales : 994 1994 1336 1063 761 1015 1800 2203 1834 2363 1833 2394 1976
MthEnd Stocks:      767 671 571 770 1531 827 707 607 229 352 1066 1191

ad<D>ust/PSG.<H>FIFO In.<F>IFO Out.<D>isp.locat<I>on.<P>romo.c<A>alloff
  
```

WHAT ACCUSTAR BECAME

Mission Critical
 System of Differentiation



Why modernise?

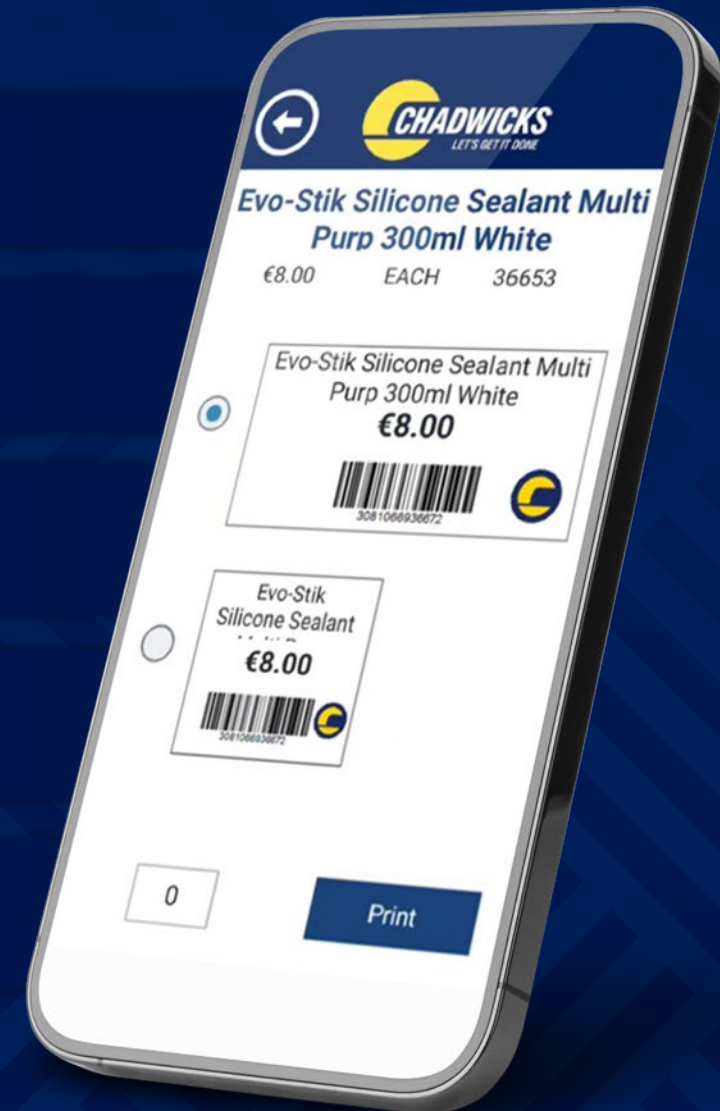
UI no longer matched user expectations

UI constrained adoption, mobility

Digitisation of Branch Operations

Expose underlying data to other systems

Leverage AI



Why not a commercial ERP?



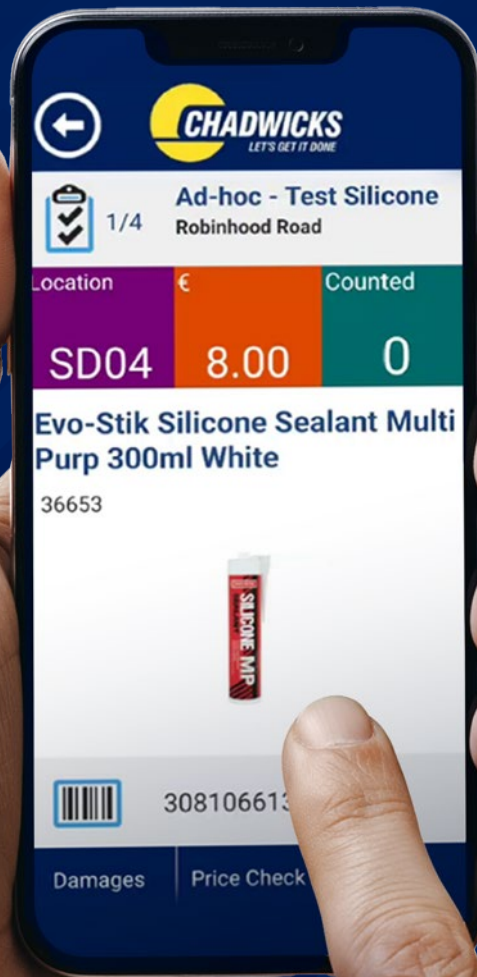
Loss of core business logic

Size and complexity

Time requirements

Business disruption risk

Cost without differentiation



MODERNISATION VISION

Modernise the experience,
preserve the engine

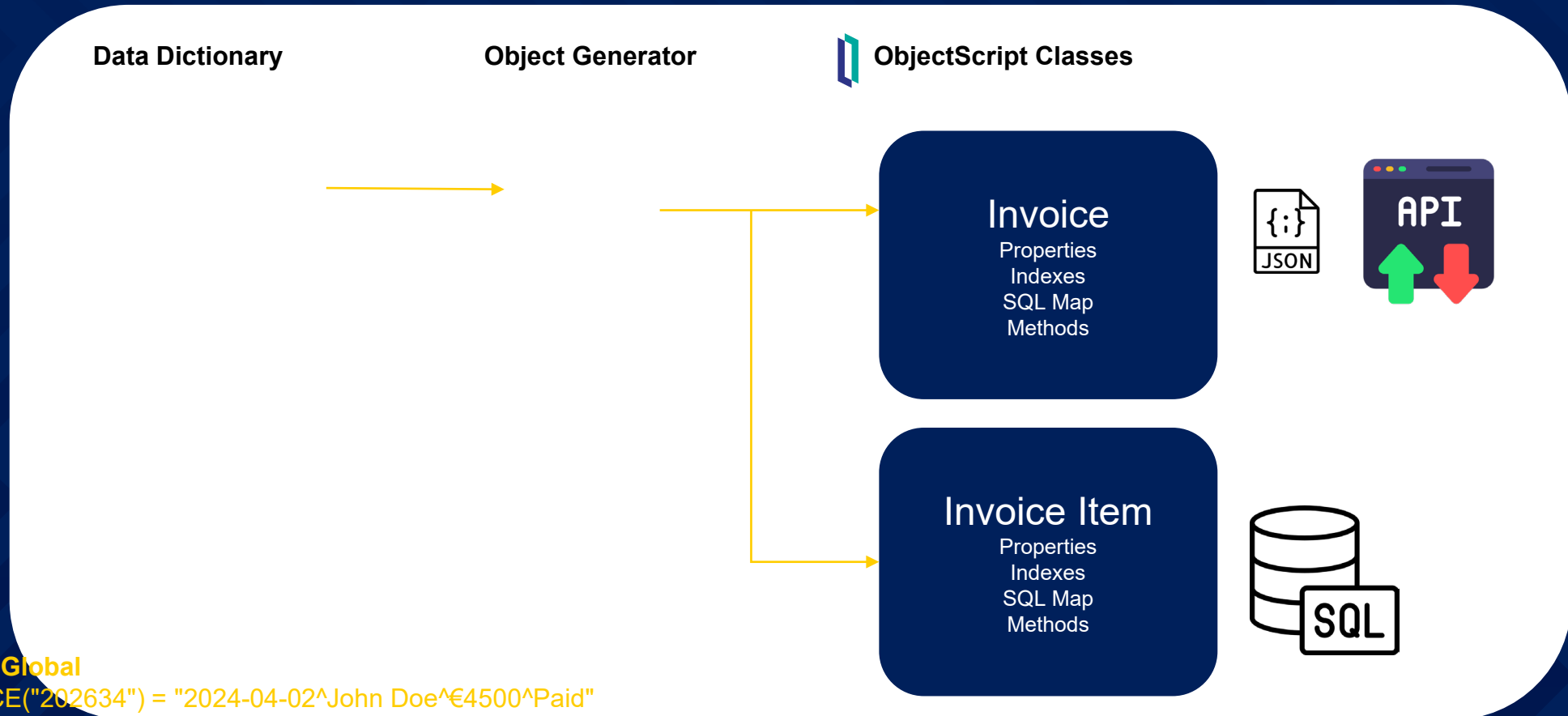
- InterSystems IRIS
- Modular rollout
- Well designed UI
- System performance
- Open Data Model
- Agile development
- Maintained by Chadwicks IT Team

Leveraging Existing IRIS Infrastructure

One Source of Truth

No data migration. No parallel environment. No sync.

Mapping Globals To Objects & SQL



Legacy Global

`^INVOICE("202634") = "2024-04-02^John Doe^€4500^Paid"`

`^INVOICEITEM("202634",1) = "ITEM001^10^€200"`

`^INVOICEITEM("202634",2) = "ITEM002^15^€100"`

REST API With Rich OpenAPI Specification

Intersystems IRIS Dispatch Class

Class API.MyService.Dispatch Extends %REST.Dispatch

Method **GetUserInfo**(ID As %Integer) As %Status

Method **CreateUser**(Name As %String, Email As %String) As %Status

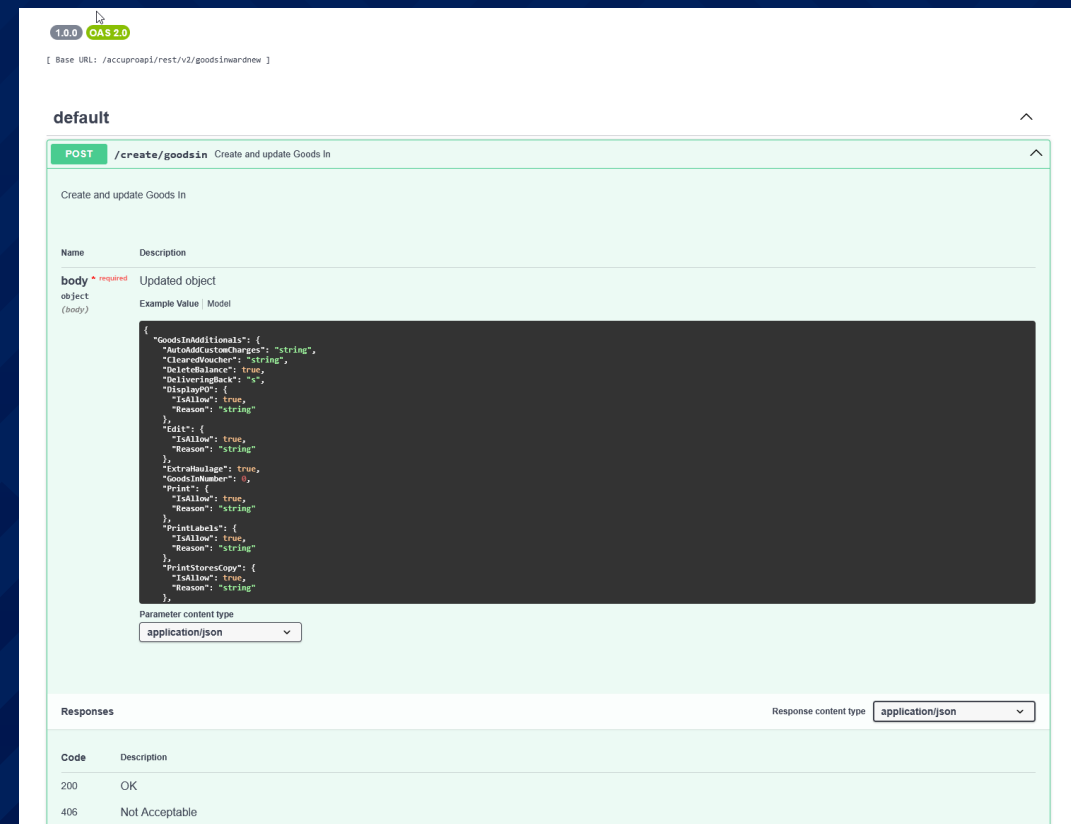
Method **UpdateUser**(ID As %Integer, Name As %String) As %Status

Method **DeleteUser**(ID As %Integer) As %Status

Generated OpenAPI Specification

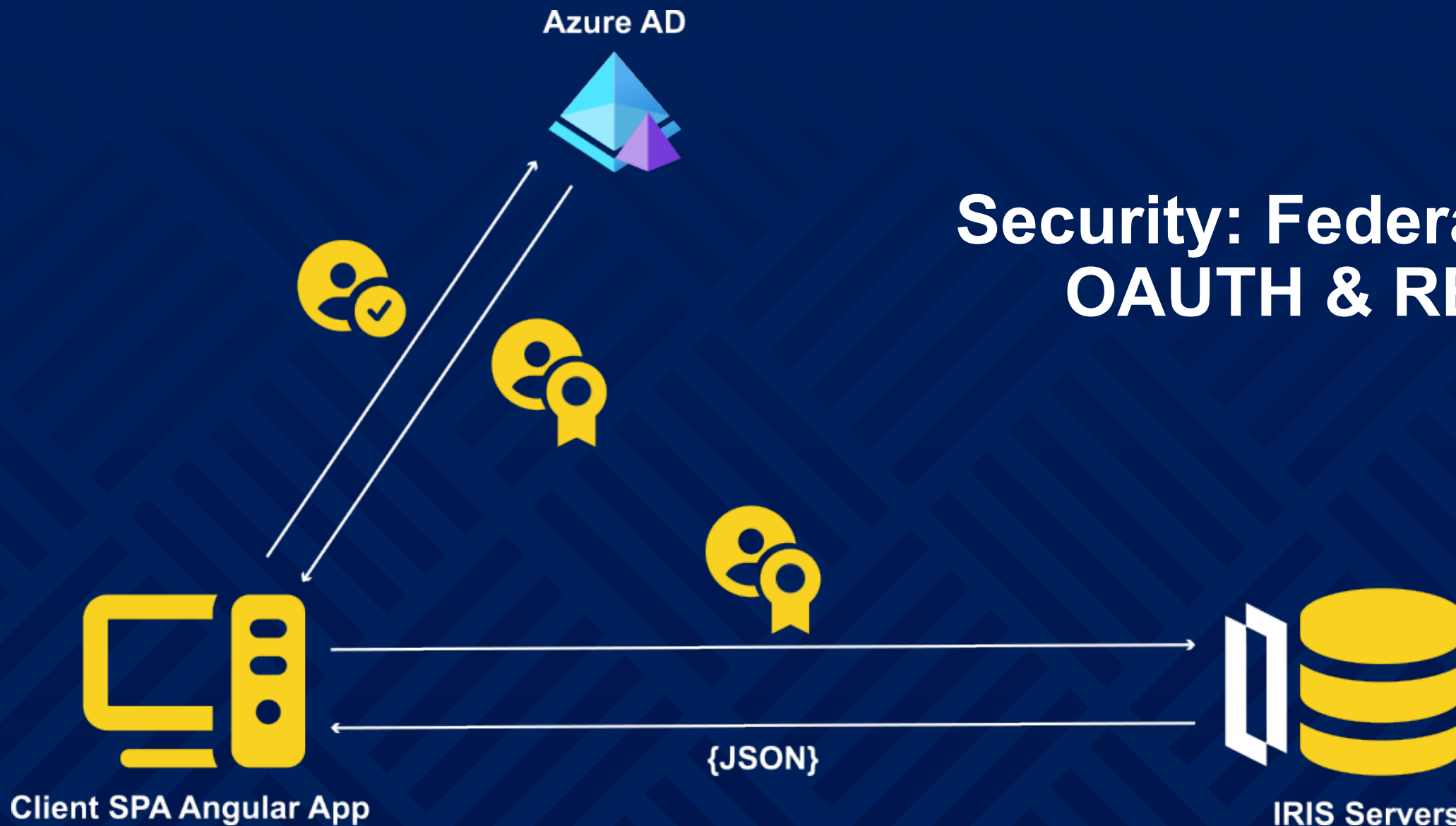
```
openapi: 3.0.1
info:
  - title: "MyService API"
  - version: "1.0"
paths:
  - /users/{id}:
    get:
      - summary: "Get user info"
      - parameters:
        - name: "id"
        - in: "path"
        - required: true
        - schema: { type: "integer" }
      - put:
    - /users: "Update user"
    - post:
      - summary: "Create user"
      - requestBody:
        - content:
          - application/json:
            - schema:
              - type: "object"
              - name: { type: "string" }
```

Visual representation of OpenAPI spec:

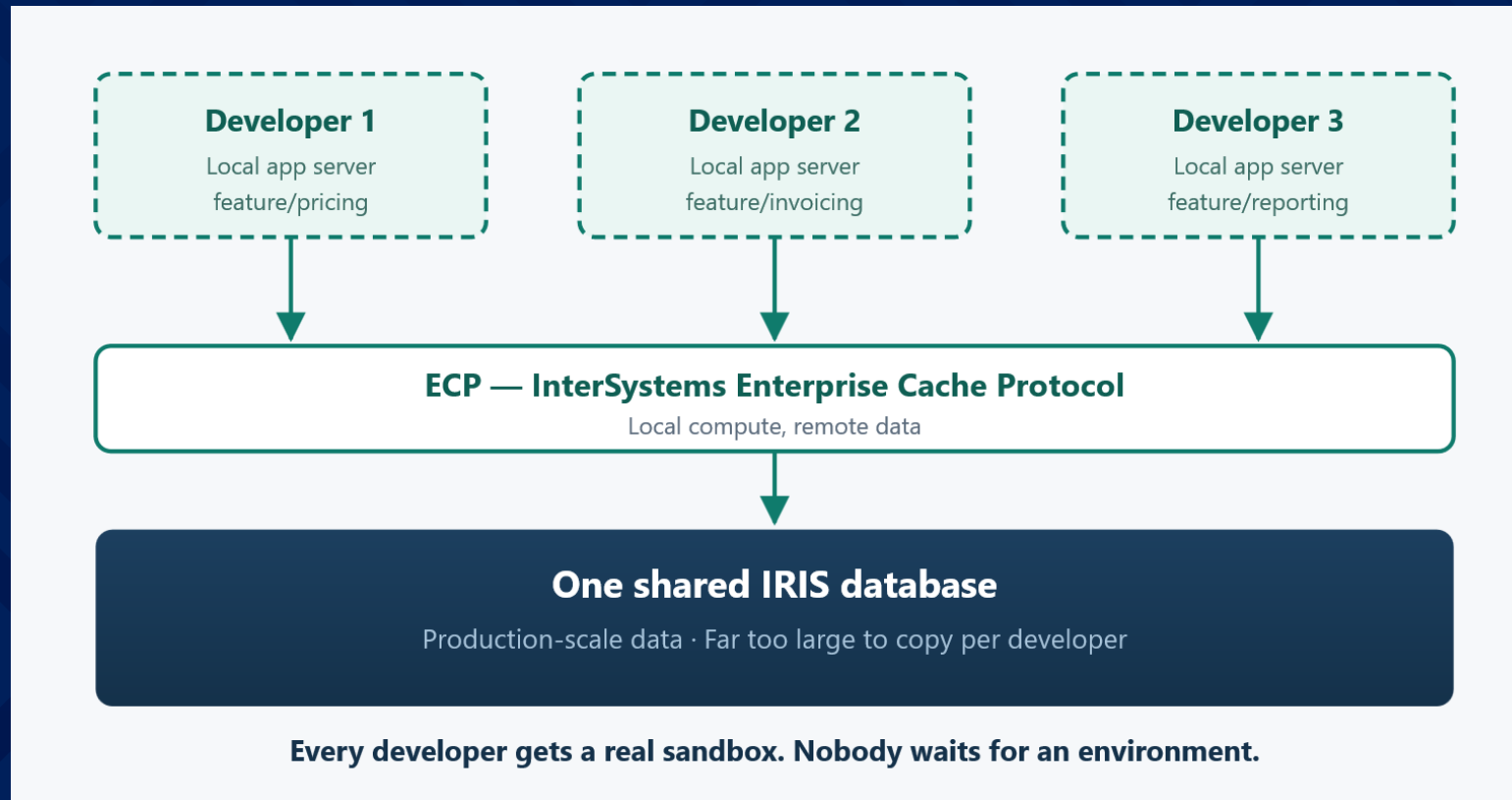


The image shows a visual representation of an OpenAPI specification for a REST API. The interface includes a top bar with version information (1.0.0, OAS 2.0) and a base URL. The main content area displays a POST endpoint for creating and updating goods. The endpoint is labeled "POST /create/goodsin" with a description "Create and update Goods In". The request body is defined as an object with a schema that includes fields like "GoodsInAdditional", "AutoAddCustomCharges", "ClearInventory", "DeleteBalance", "DeliveringBack", "DisplayPO", "IsAllow", and "Reason". The response section shows a table with status codes and descriptions: 200 OK and 406 Not Acceptable. The interface also includes a dropdown for selecting the response content type, currently set to "application/json".

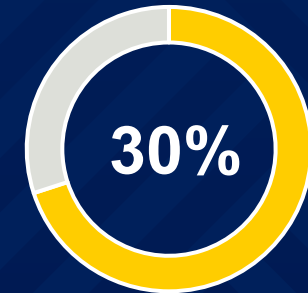
Security: Federated OAUTH & RBAC



AI-driven Productivity & Modern DevOps



Productivity Improvement



 **GitHub Copilot**

 **CURSOR**

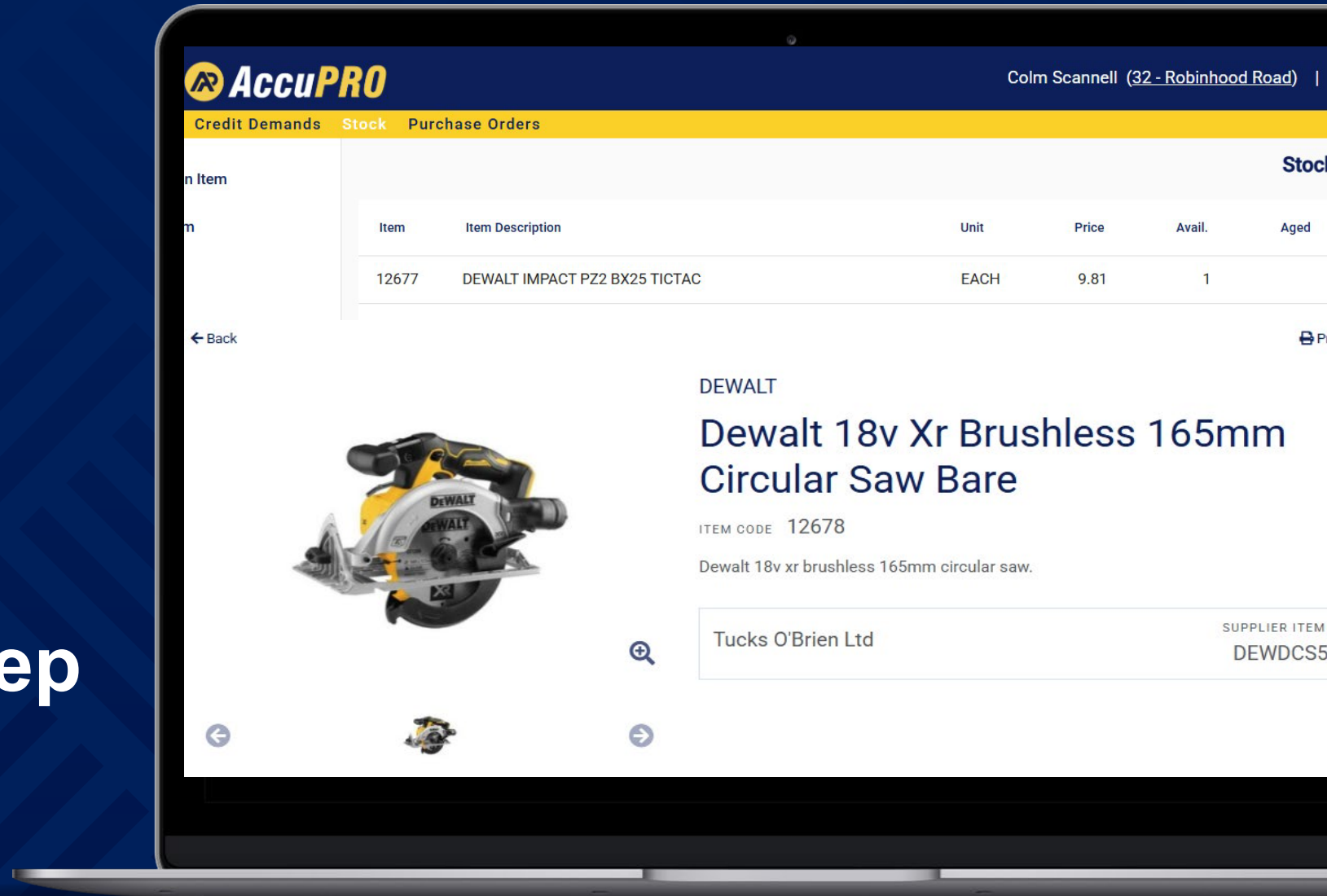
Empowering The Chadwicks IT Team Through Partnership



Easy to use

Intuitive

Graphics are a step change





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Q&A

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THANK YOU

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