Acumatica
Summit 2018
Jan. 28 – Feb. 2 • Nashville, TN

Developed for Acumatica

D101: Connecting Clouds with Web Services

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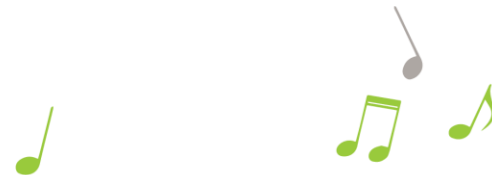
Software Developer

Acumatica
The Cloud ERP

Collaborate. Innovate. Accelerate.

Goals of this Session

1   **Get you acquainted with the REST APIs in Acumatica 17**

2   **Show you cool integration scenarios**

3   **Mention some place where additional information can be found**

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Overview of the Available APIs in Acumatica

Screen API
SOAP only

Contract-based API
SOAP + REST
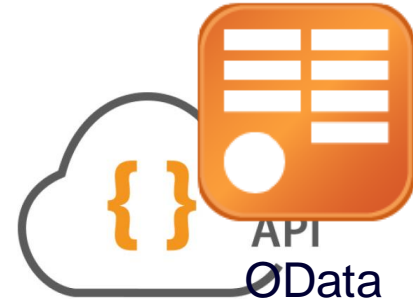
Contract-based API

OData
REST

REST Endpoint

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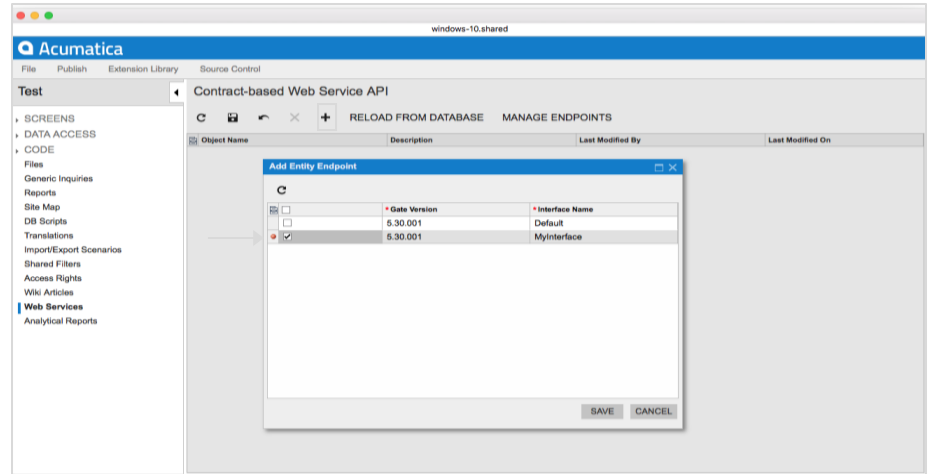The Cloud ERP

Web Service Endpoints

Packaging and Publishing your Own Endpoints

Using API to import schema via maintenance service

- Exporting to XML

- GetSchema/PutSchema

Packaging schema via customization manager

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Republishing Already Applied Endpoint

Improvement to the contract based API with Acumatica 17

1 Lot more entity

2 Change in the default return behavior

3 New ways to prevent system for going back to unoptimized way of retrieving data

4 Validating the custom endpoint and Entities

5 Open API 2.0 definition

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REST API
Examples

Logging In

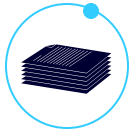**Live Demo**

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Retrieving Records – HTTP GET

Retrieving by key

Retrieving by filter condition (OData syntax)

Limiting the number of records to be returned ($top and $skip)

Controlling what gets returned with each records ($expand)

Including custom fields ($custom)
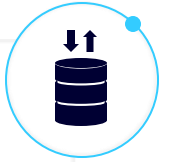
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Retrieving Records – HTTP GET (Continued)

Looking at the returned data – an overview of the JSON representation

- System Fields (id – reuse in subsequent calls)

- General Fields

- Linked Entities

- Detail Entities

- Custom Fields

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Creating Records – HTTP PUT

⚙️ **Required Fields**

❓ **Blank vs. Missing**

📊 **Live Demo**

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Updating Records – HTTP PUT

Specifying record to update
- URL
- Keys/ID/Filter
- Deleting lines in a document

Blank vs. Missing

Live Demo

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Deleting Records – HTTP DELETE

Specifying record to delete
- Keys/ID

Live Demo

Miscellaneous Topics

Retrieving files

Invoking actions – HTTP POST
- Long-run operations – checking for status through location response header

Working with inquiry screens – HTTP PUT, not GET

Integration scenarios

Microsoft Flow Integration

Push notification

Trigger
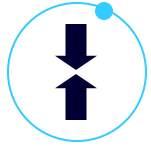
Destination

Live Demo

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Want to Learn More?

Help → User Guide → Integration

Acumatica University I210 training Contract-Based API

Sergey Marenich blog – asiablog.acumatica.com

Postman: http://getpostman.com

StackOverflow – "Acumatica" tag

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