Application Certification

Cloud xRP Summit

Virtual Developer Conference

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Acumatica
The Cloud ERP

2018 R2
Acumatica

Refined requirement structure

4.4 The ISV solution must not affect the performance of Acumatica ERP

		Solution Category		
Type	Test Method	Embedded	Connected	Composite
Required	In-lab test	✅	✅	✅

Summary and Intent

This requirement is to eliminate poor design of the ISV solution that results in significant performance degradation of the Acumatica ERP environment.

Resources

For information about troubleshooting performance issues in the Acumatica ERP environment, refer to the Acumatica Customization Guide.

How to Comply

Ensure that performance and overall responsiveness of standard Acumatica ERP screens and processes is not affected after the installation of your ISV solution. To pass this requirement, all ISV solution screens must comply with the performance benchmarks set for standard Acumatica ERP screens and processes.

Test Methodology

After installation of your ISV solution, the test engineer will import and restore the provided tenant snapshot with demonstration data. Then the test engineer will use the Performance Monitor Tool to check that performance of standard Acumatica ERP screens and processes is not affected and all ISV solution screens comply with the performance benchmarks set for standard Acumatica ERP screens and processes.

Criteria for Passing

This requirement is mandatory. If the solution causes performance degradation of the Acumatica ERP environment or contains screens, that do not comply with the performance benchmarks set for standard Acumatica ERP screens and processes, then it will fail the test.

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ISV solution requirements and recommendations

0. Prerequisites

1. Development Requirements

2. User Assistance and Product Documentation Requirements and Recommendations

3. User Experience Requirements and Recommendations

4. Installation and Setup Requirements and Recommendations

5. Upgrade and Maintenance Requirements

ISV solutions certified on 2018 R2 to date

$$36 + 6 = 42$$

Categories of ISV solutions

- A *connected* solution is an ISV solution that communicates with Acumatica ERP application only through the Acumatica ERP web services API

- An *embedded* solution is an ISV solution that extends Acumatica ERP by using only the Acumatica xRP framework and the Acumatica Customization tools

- A *composite* solution is an ISV solution that combines traits from both embedded and connected solution

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ISV Solution Certification Prerequisites

1. List of solution objects and integration scenarios:

   - Site Map & Mobile Site Map nodes

   - BLCs & BLC extensions + DACs & DAC extensions

   - Custom Segmented Keys

   - References to DACs from the standard Acumatica ERP application

   - Integration scenarios performed by the solution via web services

   - Complex ERP operations invoked or/and customized by the solution

   - Push notifications + Import/Export scenarios

   - Third-party assemblies + external services utilized or exposed by the solution

2. Proof of certification

Connected Solutions Testing

Connected solutions - step 1: Test instance deployment

Connected solutions - step 2: ISV solution installation and configuration

Configure Acumatica ERP features

OR
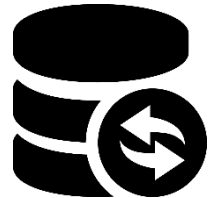
Import and restore tenant snapshot with demo data

Connected solutions - step 3: Testing ISV solution in action

HTTP monitor to analyze the traffic

App

TLS v1.2

API
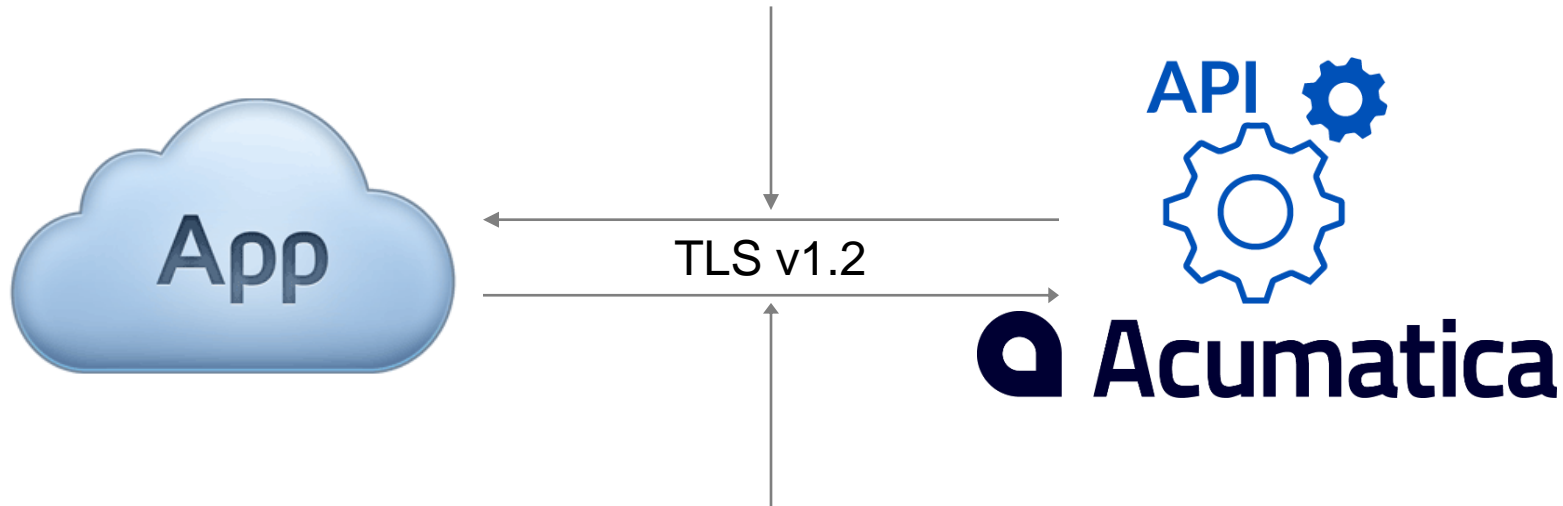
Acumatica

User-friendly messages reporting about errors

Connected solutions - step 4: Compliance with integration guidelines

Screen-based web services API:

ISV solution includes WSDL schemas of Acumatica ERP screens

Contract-based web services API:

Endpoints used by ISV solution meet integration guidelines

Embedded Solutions Testing

Embedded solutions - step 1: Test instance deployment

Single-tenant instance

Sales Demo

Deployment package(s)
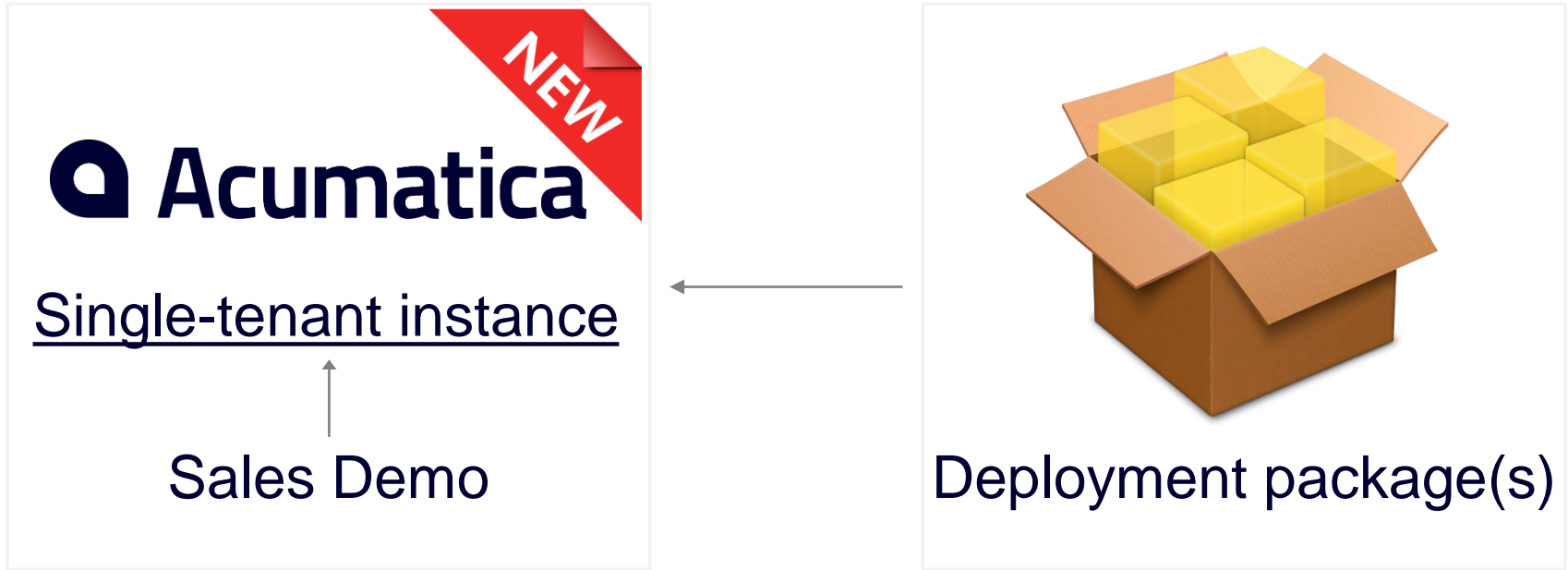
Embedded solutions - step 2: Solution objects validation

Embedded solutions - step 3: Static code analysis tests

Not using Acuminator?

You shall not pass!
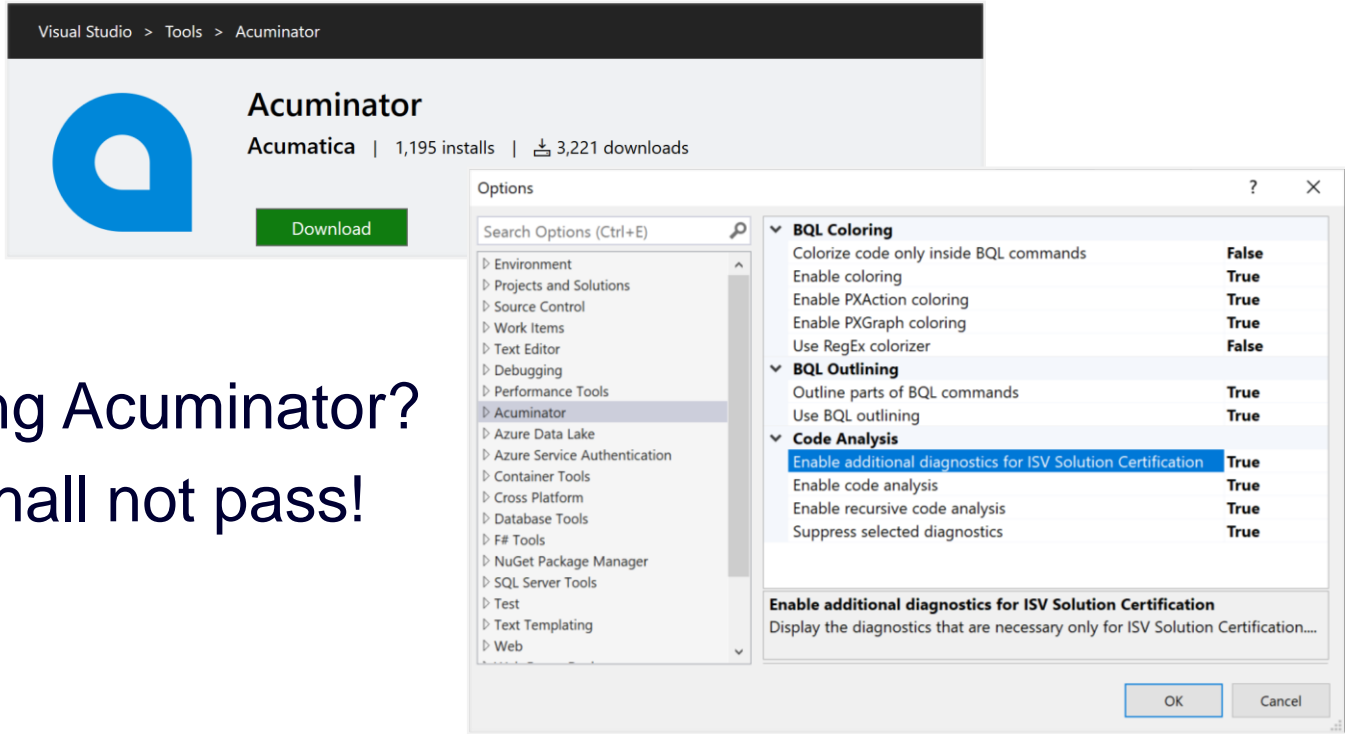
Connected solutions - step 4: ISV solution installation and configuration

① Configure Acumatica ERP features

② Publish ISV solution deployment package(s)

③ Set up ISV solution

Embedded solutions - step 5: Runtime validations

Embedded solutions - step 6: User experience and Help documentation

ISV solution complies with core UX guidelines

Modern & Classic UI

ISV solution includes Help that is targeted to the solution user

Connected solutions - step 7: Key functionality verification tests
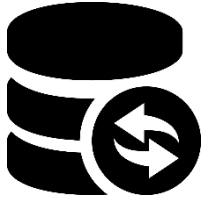
Import and restore tenant snapshot with demo data

Perform key functionality verification tests

Connected solutions - step 8: ISV solution code review
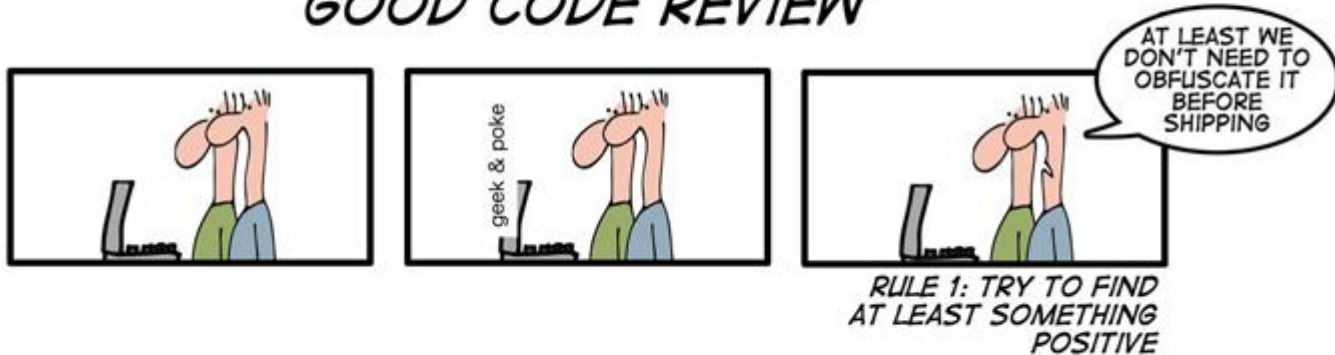
Connected solutions - step 9: ISV solution uninstallation

Unpublish ISV solution deployment package(s)

Follow the uninstallation procedure

Composite Solutions Testing

Composite Solutions

Local single-tenant Acumatica ERP instance:

Embedded solutions testing

Publicly available multi-tenant instance:

Connected solutions testing

Want to learn more?

Acumatica — The Cloud ERP

Partner Program   Education   Marketing   Sales   Support   Services   Product

Resellers

Program Overview

Construction Program

Education and Certification

Partner Support Program
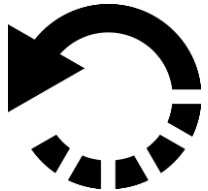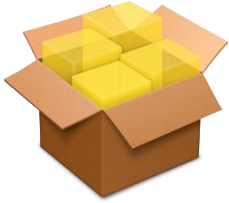
Implementation Assist

ISVs

Program Overview

Education

Developer Support

Application Marketplace

Manage ISV Solutions

Solution Certification

Acumatica ISV Solution Certification

Acumatica has developed a set of guidelines and requirements for partners building packaged solutions for Acumatica. These requirements are applicable for solutions using either the Acumatica framework, web-services, or a combination of both.

As a benefit for passing these requirements, your solution will earn the Acumatica Certified Logo which can be used in marketing material promoting the solution.

This certification is also a requirement for partners who want to be represented on the Acumatica price list.

Acumatica — CERTIFIED APPLICATION

Acumatica — CUSTOMER VALIDATED APPLICATION

Questions:

For technical questions, contact Dmitry Naumov

For business related question, contact Christian Lindberg

Certification Process and Guidance

| 2019 R1 | Certification requirements for 2019 R1 | Acumatica ISV Software Certification Guidelines and Appendices |
| 2018 R2 | Updated certification requirements for 2018 R2 | Acumatica ISV Software Certification Guidelines and Appendices |

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Thank You

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