
JDEXCELERATOR

Installation Guide and User Manual



Prepared By:
ACBM Solutions

JDExcelerator User Manual
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JDExcellerator Overview

The JDExcellerator is an Excel Add-In which allows end users to invoke JD Edwards EnterpriseOne Orchestrations from Excel. The JDExcellerator can be used to call **any** orchestration, but here are some of the more common use cases:

- Automate master and transactional data entry across multiple applications (standard and custom)
- Automate business processes (such as executing and emailing reports, sending/receiving data from/to external sources, etc.)
- Testing and debugging new orchestrations
- Converting/migrating data after a merger or acquisition
- Execute queries (data requests)

The Orchestrator first became available with Tools Release 9.1.5.5 and the JDExcellerator will work with any Orchestrations that have been built starting with Tools Release 9.1.5.5. However, significant enhancements including listing of available Orchestrations and inputs were not added until Tools Release 9.2.0.2. Additional capabilities that utilize Orchestration Outputs have been added in Tools Release 9.2.3.

Minimum Technical Requirements

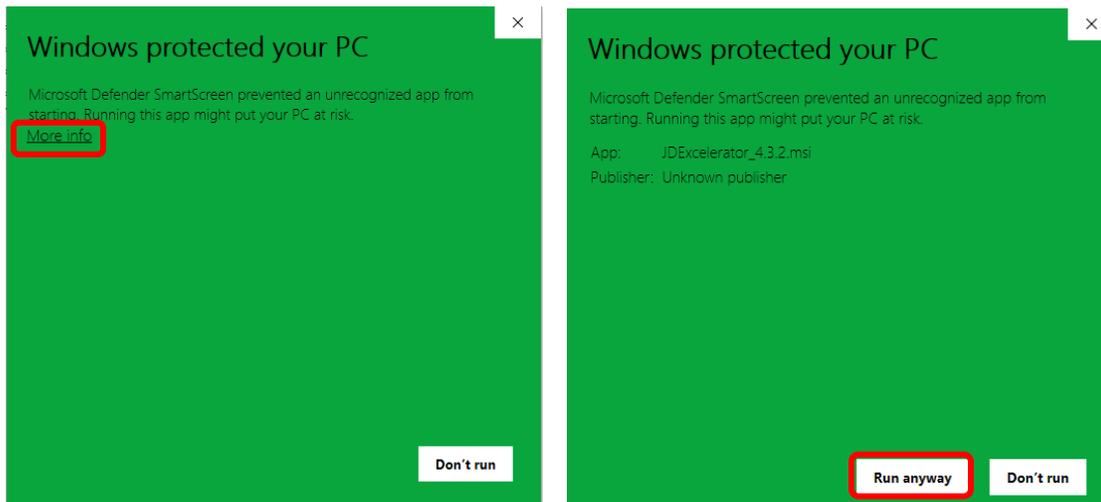
To successfully run the JDExcellerator your system must meet the following minimum requirements:

- JDEdwards EnterpriseOne Tools Release 9.1.5.5 (9.2.0.2 or later recommended for improved usability)
- AIS server installed and configured
- Microsoft Excel 2007, 2010, 2013, or 2016

Installation

Begin by downloading the latest version of the installer from <https://acbmsolutions.com/downloads/JDExcelerator>

1. Double click on the Installer program. (Note: You may need to run as Administrator depending on how Windows security has been configured on your machine.)



2. If you receive the Microsoft Defender SmartScreen warning, click the More Info link, then click the Run Anyway button.



3. Read the License Agreement.
4. If you accept the terms in the License Agreement, click the checkbox. If you do not accept, click the Cancel button.
5. Click the Install button.
6. If prompted, allow the Installer to make changes to your computer.



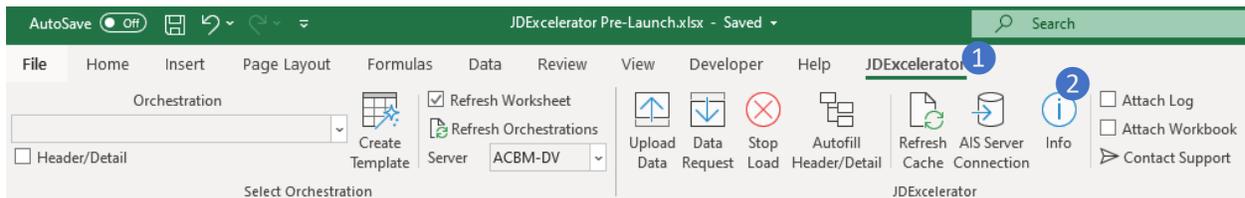
7. Click Finish to complete the installation.

Initial Setup

After the JDExcelerator has been installed, you will have to enter a license key and add one or more AIS servers.

Enter License Key

After installing the JDExcelerator, a user must enter their license key information.



1. Click on the JDExcelerator menu.
2. Click on the Info button in the Main ribbon.

Info

ACBM Solutions

JDExcelerator
Version: 4.0.0
© 2019
ACBM Solutions LLC, All Rights Reserved.

I have a License Key

Enter E-Mail Address:

Enter License Key:

Expires On: 12/31/2099

I need a License Key

Website: <http://www.acbmsolutions.com>

or

E-Mail: sales@acbmsolutions.com

OK Cancel

1. *Enter E-Mail Address* – Enter your e-mail address.
2. *Enter License Key* – Enter the license key provided by ACBM Solutions or the partner that provided the installer to you.
3. *Expires On* – This is a read only label which identifies when the license key will expire. After this date, you will need renew your license or you will no longer be able to invoke Orchestrations using the JDExcelerator.
4. *OK* – Validates and saves the license key.

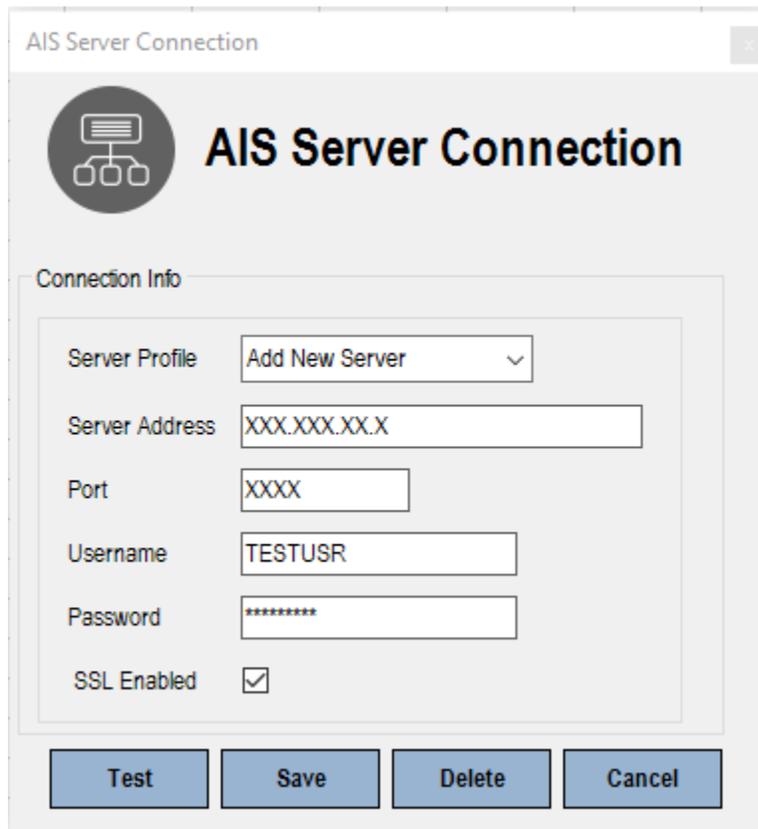
5. *Cancel* – Closes the About screen without saving any of the license key information changes.

Setup AIS Server Connection

After entering the license key, you will have to create one or more AIS servers to connect to.



1. If not already in the JExcelerator ribbon, click on the JExcelerator menu.
2. Click on the AIS Server Connection button in the main ribbon.

A screenshot of the 'AIS Server Connection' dialog box. The dialog has a title bar 'AIS Server Connection' and a close button. Below the title bar is a circular icon with a server diagram and the text 'AIS Server Connection'. The 'Connection Info' section contains the following fields:

- Server Profile: Add New Server (dropdown)
- Server Address: XXX.XXX.XX.X (text input)
- Port: XXXX (text input)
- Username: TESTUSR (text input)
- Password: ***** (password input)
- SSL Enabled:

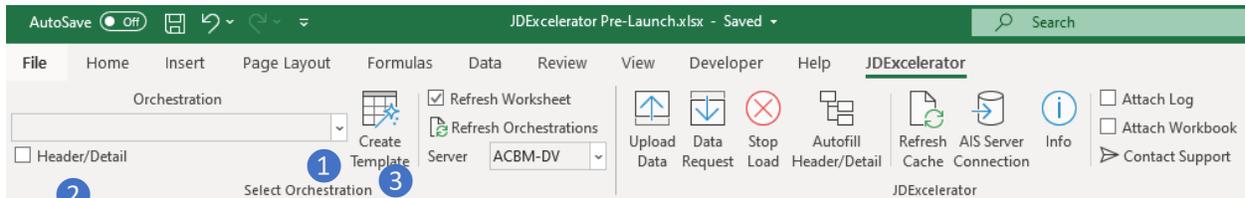
At the bottom of the dialog are four buttons: Test, Save, Delete, and Cancel.

1. *Server Profile* – Enter a name you would like to use to refer to the server (ex. DV, PY, PD, etc.). Select an entry, if you are updating an existing profile.
2. *Server Address*– Enter the server name or IP address of the AIS server
3. *Port* – Enter the port on which the AIS server is running
4. *Username* – Enter your JD Edwards User ID
5. *Password* – Enter the password associated with your JD Edwards User ID
6. *SSL Enabled* – Check this box *only* if you are using SSL, otherwise leave it unchecked. (i.e. If the URL of your Orchestrator starts with https, then the box should be checked. If the URL of your Orchestrator starts with http (no s) then the box should be unchecked.)
7. *Test* [Optional] – Click test to verify the connection to the AIS server
8. *Save* – Saves your Server Profile
9. *Cancel* – Closes the Connection Info screen without saving any of the connection information changes

Daily Usage

Now that the JDExcelerator has been installed and configured, you are ready to start calling your first orchestration. Please note, you will only have access to Personal Orchestrations or Shared Orchestrations that have been set up with view security for your User/Role. If you cannot see an orchestration when you log into the Orchestrator, you will not be able to see it from within the JDExcelerator.

Select an Orchestration



1. *Orchestration* – Select the desired Orchestration from the drop down.
2. *(Optional)Header/Detail* – When selected, a Header/Detail column is included in the orchestration template. If the selected Orchestration is defined with an array input type, the Header/Detail column will be created automatically.
3. *Create Template* – Retrieves the Orchestration definition and creates an Orchestration template in Excel.

Other Components

- *Refresh Worksheet* – When selected a new template will clear any data previously entered. If the same or similar data is to be used for a different template, deselect this field. This is rarely used.
- *Refresh Orchestrations* – Refreshes the list of orchestrations and the associated inputs and outputs from the AIS Server. This is rarely used.
- *Server* – Select the server profile name where you want to call the orchestrations. This was defined in the Setup AIS Server Connection of the Initial Setup. This will default to the last server that was used, so it should rarely change.

Call an Orchestration

There are two types of Orchestrations that can be called from the JDEXcelerator. The Upload Data button can be used to send input data to the Orchestrator and the Data Request button can be used to retrieve output data like a query tool. Both options allow for multiple rows of input data, but the Upload Data expects only one row of results, whereas the Data Query can support multiple rows of results for each input row.

Upload Data

Once the template has been created, we can enter data and call the orchestration.

Exclude Row (Y or blank)	(String) <i>Alpha Name</i>	(String) <i>Search Type</i>	(String) <i>Address Line 1</i>	(String) <i>Address Line 2</i>	(String) <i>Address Line 4</i>	(String) <i>City</i>	(String) <i>State</i>	(String) <i>Postal Code</i>	<i>Status Code</i>	<i>Date/Time Updated</i>	(String) <i>Previously Assigned Number</i>
	ACBM Test 1	C	123 ABC Way	Suite 100		New York	NY	10001	Success	4/27/2020 18:18	91782
	ACBM Test 2	E	123 ABC Way	Suite 100		New York	NY	10001	Success	4/27/2020 18:18	91791
	ACBM Test 3	Z	123 ABC Way	Suite 100		New York	NY	10001	Error	4/27/2020 18:19	
	ACBM Test 4	V	123 ABC Way	Suite 100		New York	NY	10001	Success	4/27/2020 18:19	91803

1. Begin on row 11 and populate the template by entering input data in fields with a green header. Any field name that is bold and italicized are required fields. Other fields are optional.
2. If you would like to exclude a row from processing, please enter a Y in column A.
3. (Optional) If you are using a Header/Detail Orchestration, press the Autofill Header/Detail button in the ribbon to automatically, populate an H or D in the Header/Detail column. ***Please see the FAQ for supported Header/Detail input formats.***
4. Click the Upload Data button.
5. The orchestration outputs will be populated in the orange columns.

Other Notes

- Error messages are stored as comments and can be seen by hovering your mouse over the cell with Status Code that says “Error”.
- If the Orchestration is defined with an array input type, the JDEXcelerator will automatically figure out which rows are header or detail when you try to load the data so you do not have to push the “Autofill Header/Detail” button (but you can if you want to confirm).
- Do not populate anything in the fields after the inputs. They are populated automatically after running the orchestration.

Request Data

You can also use the JDEXcelerator to request data from JD Edwards by using an Orchestration with a Data Request to return multiple rows. Once the template has been created, we can enter data and call the orchestration.

The screenshot shows the JDEXcelerator interface with a ribbon containing 'Data Request' and 'Data Load' buttons. A table below shows the following columns: Exclude Row (Y or blank), User ID, Date Updated, Status Code, Date/Time Updated, Address Number [F0101], Alpha Name [F0101], Address Line 1 [F0116], Address Line 2 [F0116], Address Line 3 [F0116], Address Line 4 [F0116], Postal Code [F0116], and City [F0116]. A '3' in a blue circle highlights the 'Data Request' button.

1. Begin on row 11 and populate the template by entering the query parameters in fields with a green header. Any field names that are bold and italicized are required fields. Other fields are optional.
2. If you would like to exclude a row from processing, please enter a Y in column A.
3. Click the Data Request button.

The screenshot shows the JDEXcelerator interface with the table populated with data. The table has the following columns: Exclude Row (Y or blank), User ID, Date Updated, Status Code, Date/Time Updated, Address Number [F0101], Alpha Name [F0101], Address Line 1 [F0116], Address Line 2 [F0116], Address Line 3 [F0116], Address Line 4 [F0116], Postal Code [F0116], City [F0116], and ST [F0116]. The data is as follows:

Exclude Row (Y or blank)	User ID	Date Updated	Status Code	Date/Time Updated	Address Number [F0101]	Alpha Name [F0101]	Address Line 1 [F0116]	Address Line 2 [F0116]	Address Line 3 [F0116]	Address Line 4 [F0116]	Postal Code [F0116]	City [F0116]	ST [F0116]
	TRAINER	5/1/2020		5/11/2020 11:20									
	TRAINER	5/2/2020		5/11/2020 11:20									
	TRAINER	5/3/2020		5/11/2020 11:20	91900	ACBM Test Address	123 ABC Way	Suite 100				10001	New York NY
	TRAINER	5/4/2020		5/11/2020 11:20	91918	TRAINER Address 1	123 ABC Way	Suite 100		Attn: AP		10001	New York NY
	TRAINER	5/5/2020	Success	5/11/2020 11:20						Attn: Accounts Payable		10001	New York NY
	TRAINER	5/6/2020		5/11/2020 11:20									
	TRAINER	5/7/2020		5/11/2020 11:20									
	TRAINER	5/8/2020		5/11/2020 11:20	91281	Larry Test	123 ABC Way	Suite 100		Attn: AP		10001	New York NY
	TRAINER	5/9/2020		5/11/2020 11:20	91926	Larry Test				Attn:			
	TRAINER	5/5/2020	Success	5/11/2020 11:20									
	TRAINER	5/6/2020	Success	5/11/2020 11:20	91969	TRAINER Address 2	123 ABC Way	Suite 100		Attn: AP		10001	New York NY
	TRAINER	5/7/2020	Success	5/11/2020 11:20	91977	TRAINER Test Address							
	TRAINER	5/8/2020	Success	5/11/2020 11:20	91985	TRAINER Test Address	123 ABC Way	Suite 100		Attn: AP		10001	New York NY
	TRAINER	5/9/2020	Success	5/11/2020 11:20	91993	TRAINER Test 2c	123 ABC Way	Suite 100		Attn: AP		10001	New York NY
	TRAINER	5/10/2020	Success	5/11/2020 11:20	92005	Trainer Address 2A	123 ABC Way	Suite 100		Attn: AP		10001	New York NY
	TRAINER	5/10/2020	Success	5/11/2020 11:20	92013	Trainer Test Address							
	TRAINER	5/10/2020	Success	5/11/2020 11:20	92021	Trainer Address 2A	123 ABC Way	Suite 100		Attn: AP		10001	New York NY
	TRAINER	5/10/2020	Success	5/11/2020 11:20	92030	Trainer Test Address							
	TRAINER	5/10/2020	Success	5/11/2020 11:20	92048	Trainer Address 2B	123 ABC Way	Suite 100		Attn: AP		10001	New York NY
	TRAINER	5/10/2020	Success	5/11/2020 11:20	92056	TRAINER Address 2C	123 ABC Way	Suite 100		Attn: AP		10001	New York NY

4. The orchestration outputs will be populated in the orange columns. The outputs for each row will be grouped under the corresponding inputs and the input rows will be automatically adjusted.

FAQ

Can a row be processed twice?

A row will only be processed if the Status column is blank or says Error. Any row that says “Success” will be skipped automatically. If you need to reprocess a row, delete the “Success” message in the status column before running again.

How do I fix a timeout error when setting up a new connection?

Please confirm your SSL settings are specified correctly. Refer to “Setup AIS Server Connection” in the “Initial Setup” section of this manual.

How do I fix “An error occurred in the secure channel support” message when setting up a new connection?

Please confirm your SSL settings are specified correctly. Refer to “Setup AIS Server Connection” in the “Initial Setup” section of this manual.

Can I put formulas in the input cells to pull data from another worksheet?

Yes. **All** Excel formulas will work including (but not limited to) SUM, VLOOKUP, IF, COUNT. Formulas that reference data in a different worksheet or workbook will calculate the correct result and be submitted to the Orchestrator.

Can I add a column for notes?

Yes. We recommend that you add a new input to your Orchestration, but do not map it to any step. This will allow the JDExcelerator to discover the new field, but the Orchestration will ignore it when the data is submitted.

How do I fix an “Unable to cast object of type 'Newtonsoft.Json.Linq.JArray' to type 'Newtonsoft.Json.Linq.JObject'” error message?

Please define the Orchestration output to resolve this issue. This is not typically required, but it can occur when trying to return a field from a grid. Adding the output from the form request to the Orchestration output will typically solve this problem.

How do I format data for a Header/Detail Orchestration such as adding a new Journal Entry?

The JDExcelerator is very flexible and can interpret multiple types of formatting header/detail data. The data can be organized in one of three ways:

1. Header information repeated on all lines:

The screenshot shows the JDExcellerator interface with a spreadsheet. The spreadsheet has a header row (row 9) and data rows (rows 10-14). The header row contains the following columns: Exclude Row (Y or blank), Header/Detail, Explanation, GL Date, Account Number, Amount, Remark, Status Code, Date/Time Updated, Batch Number, and Journal Entry Number. The data rows contain the following information:

Exclude Row (Y or blank)	Header/Detail	Explanation	GL Date	Account Number	Amount	Remark	Status Code	Date/Time Updated	Batch Number	Journal Entry Number
	H/D	Test JE 1	1/1/2020	1.1110.US	100					
	D	Test JE 1	1/1/2020	1.1110.BEAR	-100					
	H/D	Test JE 2	1/1/2020	1.1110.US	200					
	D	Test JE 2	1/1/2020	1.1110.BEAR	-200					

2. Header information on first line and detail information starts on first line:

The screenshot shows the JDExcellerator interface with a spreadsheet. The spreadsheet has a header row (row 9) and data rows (rows 10-14). The header row contains the following columns: Exclude Row (Y or blank), Header/Detail, Explanation, GL Date, Account Number, Amount, Remark, Status Code, Date/Time Updated, Batch Number, and Journal Entry Number. The data rows contain the following information:

Exclude Row (Y or blank)	Header/Detail	Explanation	GL Date	Account Number	Amount	Remark	Status Code	Date/Time Updated	Batch Number	Journal Entry Number
	H/D	Test JE 1	1/1/2020	1.1110.US	100					
	D			1.1110.BEAR	-100					
	H/D	Test JE 2	1/1/2020	1.1110.US	200					
	D			1.1110.BEAR	-200					

3. Header information on first line and detail information starts on second line:

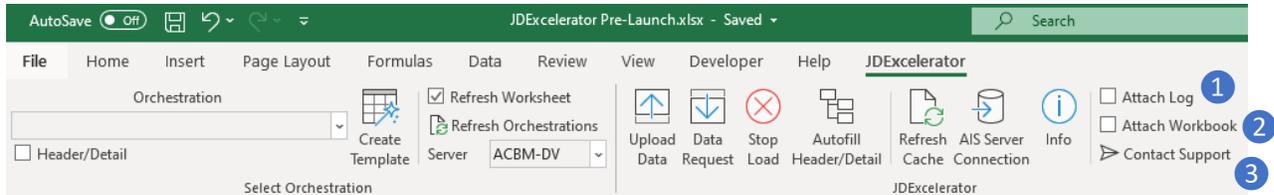
The screenshot displays the JDExcelerator application interface. The top ribbon includes menus for File, Home, Insert, Page Layout, Formulas, Data, Review, View, Developer, and Help. The JDExcelerator section contains various tools like Refresh Worksheet, Refresh Orchestrations, Upload Data, Data Request, Stop Load, Autofill, Refresh Cache, AIS Server Connection, and Info. Below the ribbon, there are checkboxes for Attach Log, Attach Workbook, and Contact Support. The main area shows a worksheet with columns A through K and rows 1 through 17. A header row (row 9) is highlighted in orange and contains the following data: Exclude Row (Y or blank), Header/Detail, (String) Explanation, (String) GL Date, (GridData - String) Account Number, (GridData - String) Amount, (GridData - String) Remark, Status Code, Date/Time Updated, (String) Batch Number, and (String) Journal Entry Number. The data rows (rows 11-16) contain test journal entries with details like 'Test JE 1', 'Test JE 2', account numbers (1.1110.US, 1.1110.BEAR), and amounts (100, -100, 200, -200). A logo for ACBM Solutions is visible in the top right corner of the worksheet area.

Exclude Row (Y or blank)	Header/Detail	(String) Explanation	(String) GL Date	(GridData - String) Account Number	(GridData - String) Amount	(GridData - String) Remark	Status Code	Date/Time Updated	(String) Batch Number	(String) Journal Entry Number
	H	Test JE 1	1/1/2020							
	D			1.1110.US	100					
	D			1.1110.BEAR	-100					
	H	Test JE 2	1/1/2020							
	D			1.1110.US	200					
	D			1.1110.BEAR	-200					

Contacting Support

Please make sure that all orchestrations function properly with the same data and credentials using the standard JDE Orchestrator client, **prior** to contacting support. The standard JDExcelerator license only includes break-fix support for the JDExcelerator and does not include troubleshooting orchestrations. Evidence of orchestrations working properly through the Orchestrator client, **must** be submitted with all support requests.

If you still have an issue with the JDExcelerator and wish to contact support, please click the Contact Support button in the JDExcelerator menu.



1. **Attach Log** – Click this checkbox if you would like to attach the log file with your support request. It is recommended that you select this checkbox prior to contacting support.
2. **Attach Workbook**– Click this checkbox if you would like to attach the Excel workbook with your support request. It is usually not necessary to attach the workbook to a support request. This should only be checked if there is information in the Excel file that is required for troubleshooting.
3. **Contact Support** – This will open your default e-mail client and prepopulate all the relevant information about your environment using a predefined template. The log file and a copy of the current Excel workbook will be automatically be attached if you check the corresponding checkbox.

All support requests should be submitted with a detailed description of the issue with screenshots. In addition, support requests must be accompanied by a screenshot of the Orchestrator client demonstrating proper working function of the EnterpriseOne Orchestration referenced in the support request. Additional documentation may be requested for support inquiries that are submitted without sufficient information.

Additional Licenses and Support

Consulting and Orchestration Support

If you need help creating a new Orchestration or troubleshooting an existing Orchestration, please send an e-mail with a description of your request to sales@acbmsolutions.com or visit our website at <https://acbmsolutions.com>

Additional Licenses

To request additional JDExcelerator licenses, please e-mail sales@acbmsolutions.com