



Accela Automation[®]

Version 7.2 FP2

**Configuring CERS Integration Adapter
(12ACC-06854)**

Technical Bulletin



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CONFIGURING CERS INTEGRATION ADAPTER

CERS integration adapter is used for synchronizing specific data between California Environmental Reporting System (CERS) and Accela Automation. Follow the instructions below to configure the adapter for 12ACC-06854 Interface between Accela Automation and CalEPA CERS. For more information about CERS, see <http://cers.calepa.ca.gov/>.

Topics

- [Installing and Configuring](#)
- [Preparing Environment](#)
- [Troubleshooting](#)

Installing and Configuring

To install and configure the adapter

1. Contact the CRC for the adapter package.
2. Open the av-env.cmd file in the package, and set the java_home environment variable.
For example, change “set JAVA_HOME=D:\AA7.2.0\av.7.2.0\bin to \jdk1.6.0_15” to “set JAVA_HOME=D:\AA7.2.0\av.7.2.0\bin\jdk1.7”.
3. Run the hash.bat file in the package to encode the password for accessing CERS.
4. Open the Config\ServerConfig.properties file in the package, and do the follows.
 - a. Configure Accela Automation by assigning values to the following variables.

aa.server	Accela Automation business URL, for example, http://biz.ist.accela.com:3080/ .
aa.agency	Agency name, for example, COSD.
aa.userID	User account to access Accela Automation, for example, ADMIN.
aa.password	Password to access Accela Automation.
 - b. Configure e-mails by assigning values to the following variables. As such, when errors occur during data synchronization between CERS and Accela Automation, alert e-mails can be sent the appointed person automatically.

av.mail.user	User name for accessing the e-mails, for example, autosend.
av.mail.password	Password for accessing the e-mails.
av.mail.from	E-mail sender account, for example, autosend@accela.com.
av.mail.to	E-mail receiver account, for example, james.white@accela.com.
av.mail.smtp.host	E-mail host name, for example, MAIL.accela.com.
av.mail.smtp.port	E-mail port number, for example, 25.
av.mail.smtp.auth	E-mail authentication, for example, false.

- c. Configure CERS by assigning values to the following variables.

cers.server	Cal/EPA CERS EDS system URL, for example, https://cersservices.calepa.ca.gov/Staging.
cers.server.proxySet	The proxy server is optional and null by default.
cers.server.proxyHost	Optional and null by default.
cers.server.proxyPort	Optional and null by default.
cers.regulatorcode	Regulator code for CERS, for example, 3700.
cers.username	User name for CERS.
cers.password	The hashed password generated in step 3 of the Chapter Installing and Configuring on page 3 .

- d. Configure the time for transferring specific data from CERS to Accela Automation by assigning values to the following variables.

cers.facility.submittalRange	Set the submittal range. For example, if you set the value as "1", the system transfers data for one day.
cers.submittalstartdatetime	Set the start time for submitting facilities. You are suggested to start submitting facilities in the early morning, for example, 01:00:00.
cers.facility.retry	Set how many times the system retries for if the transferring fails. For example, if you set the value as "1", the system retries one time if the transferring fails.

Preparing Environment

To prepare the environment

1. Make sure Java SE Development Kit (JDK) 6 or later version is installed in your local disk. You can download JDK7 at <http://www.oracle.com/technetwork/java/javase/downloads/java-se-jdk-7-download-432154.html>.

2. Schedule a proper period for running the integration adapter. Do as follows:

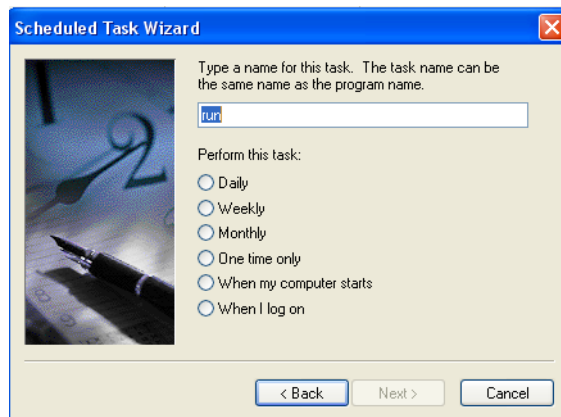
- a. Click Control Panel of the Start menu.
- b. Double-click the Scheduled Tasks icon.
- c. Double-click the Add Scheduled Task icon.

The Scheduled Task Wizard appears.



- d. Click the **Next** button.
- e. Click the **Browse** button. Navigate to the adapter folder, and select the *run.bat* file.

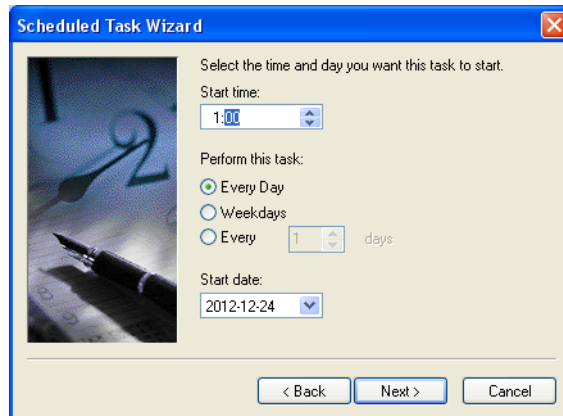
The following window appears.



- f. Type a name for this task as required or use the default name, mark the **Daily** option, and click the **Next** button.

Note: You are suggested to mark the **Daily** option here so that the information between CERS and Accela Automation will be synchronized daily.

The following window appears.



- g. Make selections according to the descriptions in the following list, and then click the **Next** button.

Start time	<p>You should set the start time in the Scheduled Task Wizard later than the cers.submittalstartdatetime set in step 4 of Installing and Configuring on page 3.</p> <p>For example, if cers.submittalstartdatetime is set as 01:00:00, then you should set the scheduled task start time to a later time, like 01:00:01. As such, Windows Scheduled Task can automatically synchronize the latest information as soon as possible.</p>
Perform this task	<p>Set the interval for performing this task according to the value of cers.facility.submittalRange set in step 4 of Installing and Configuring on page 3.</p> <p>For example: If you set cers.facility.submittalRange to 1, you should select Every Day here; if you set cers.facility.submittalRange to 7, you should select Weekdays here. However, you are strongly recommended to select Every Day for performing this task because the data can be very large every day.</p>
Start date	<p>Scheduled Task automatically synchronizes the information on CERS with that on Accela Automation from the start date.</p>

- h. If you are a domain user, enter the user name and password, and click the **Next** button.
- i. Click the **Finish** button.
3. Make sure the adapter runs on a Windows server (Windows Sever 2003 or later) which has network access to both CERS and Accela Automation.
 4. Install Accela Automation 7.2 FP4 hotfix 7 or later on the Accela Automation app server.
 5. Add the following codes to the end of the <AV_BIZ>\conf\av\generic-query-config.xml file (<AV_BIZ> is the directory where 7.2 FP2 hotfix 7 is installed).

```
<sqlQuery name = "UniqueKey_ValidationAAQuerySQL_1"
maxRows = "10">
```

```

    <select>SELECT B1_checklist_comment AS uniquekey,
B1_PER_ID1,B1_PER_ID2,B1_PER_ID3 from BCHCKBOX BK</
select>
    <where>
        <parameter name ="SERV_PROV_CODE" alias="BK" column
="SERV_PROV_CODE" dataType = "String" operator = "="
logic = "AND"
isRequired = "true"/>
        <parameter name ="uniquekey" alias="BK" column
="B1_checklist_comment" dataType = "String" operator =
"=" logic = "AND" />
    </where>
</sqlQuery>
<sqlQuery name = "CheckCERSIDFromRecordKey" maxRows =
"10">
    <select>SELECT B1_checklist_comment AS CERSID,
B1_PER_ID1,B1_PER_ID2,B1_PER_ID3 from BCHCKBOX BK</
select>
    <where>
        <parameter name ="SERV_PROV_CODE" alias="BK" column
="SERV_PROV_CODE" dataType = "String" operator = "="
logic = "AND" isRequired = "true"/>
        <parameter name ="B1_PER_ID1" alias="BK" column
="B1_PER_ID1" dataType = "String" operator = "=" logic =
"AND" />
        <parameter name ="B1_PER_ID2" alias="BK" column
="B1_PER_ID2" dataType = "String" operator = "=" logic =
"AND" />
        <parameter name ="B1_PER_ID3" alias="BK" column
="B1_PER_ID3" dataType = "String" operator = "=" logic =
"AND" />
        <parameter name ="b1_per_sub_type" alias="BK" column
="b1_per_sub_type" dataType = "String" operator = "="
logic = "AND" />
        <parameter name ="b1_checkbox_type" alias="BK" column
="b1_checkbox_type" dataType = "String" operator = "="
logic = "AND"
/>
        <parameter name ="b1_checkbox_desc" alias="BK" column
="b1_checkbox_desc" dataType = "String" operator = "="
logic = "AND"
/>
    </where>
</sqlQuery>

```

```
<sqlQuery name = "CheckParentCERSID" maxRows = "1">
  <select>
    SELECT BC.B1_CHECKLIST_COMMENT FROM B1PERMIT B1 INNER
JOIN
    BCHCKBOX BC ON B1.SERV_PROV_CODE = BC.SERV_PROV_CODE
AND

    B1.B1_PER_ID1 = BC.B1_PER_ID1 AND
    B1.B1_PER_ID2 = BC.B1_PER_ID2 AND B1.B1_PER_ID3 =
BC.B1_PER_ID3

INNER JOIN
    XAPP2REF XA ON XA.SERV_PROV_CODE = B1.SERV_PROV_CODE
AND

    XA.B1_MASTER_ID1 = B1.B1_PER_ID1
    AND XA.B1_MASTER_ID2 = B1.B1_PER_ID2
    AND XA.B1_MASTER_ID3 = B1.B1_PER_ID3
  </select>
  <where>
    <parameter name ="SERV_PROV_CODE" alias="B1" column
="SERV_PROV_CODE" dataType = "String" operator = "="
logic = "AND" isRequired = "true"/>
    <parameter name ="B1_PER_ID1" alias="XA" column
="B1_PER_ID1" dataType = "String" operator = "=" logic =
"AND" />
    <parameter name ="B1_PER_ID2" alias="XA" column
="B1_PER_ID2" dataType = "String" operator = "=" logic =
"AND" />
    <parameter name ="B1_PER_ID3" alias="XA" column
="B1_PER_ID3" dataType = "String" operator = "=" logic =
"AND" />
    <parameter name ="B1_PER_GROUP" alias="B1" column
="B1_PER_GROUP" dataType = "String" operator = "=" logic =
"AND" />
    <parameter name ="B1_PER_TYPE" alias="B1" column
="B1_PER_TYPE" dataType = "String" operator = "=" logic =
"AND" />
    <parameter name ="B1_PER_SUB_TYPE" alias="B1" column
="B1_PER_SUB_TYPE" dataType = "String" operator = "="
logic = "AND" />
    <parameter name ="B1_PER_CATEGORY" alias="B1" column
="B1_PER_CATEGORY" dataType = "String" operator = "="
logic = "AND" />
```

```

        <parameter name ="B1_ACT_STATUS" alias="BC" column
        ="B1_ACT_STATUS" dataType = "String" operator = "=" logic
        = "AND" />

        <parameter name ="B1_CHECKBOX_TYPE" alias="BC" column
        ="B1_CHECKBOX_TYPE" dataType = "String" operator = "="
        logic = "AND" />

        <parameter name ="B1_CHECKBOX_DESC" alias="BC" column
        ="B1_CHECKBOX_DESC" dataType = "String" operator = "="
        logic = "AND" />

    </where>
</sqlQuery>

<sqlQuery name = "CheckParentCERSIDANDTEXT" maxRows =
"1">

    <select>

        SELECT BC.B1_CHECKLIST_COMMENT AS CERSID,
        b1.b1_special_text,XA.B1_MASTER_ID1,XA.B1_MASTER_ID2,XA.B
        1_MASTER_ID3

        FROM B1PERMIT B1 INNER JOIN

        BCHCKBOX BC ON B1.SERV_PROV_CODE = BC.SERV_PROV_CODE
        AND B1.B1_PER_ID1 = BC.B1_PER_ID1 AND

        B1.B1_PER_ID2 = BC.B1_PER_ID2 AND B1.B1_PER_ID3 =
        BC.B1_PER_ID3

        INNER JOIN

        XAPP2REF XA ON XA.SERV_PROV_CODE = B1.SERV_PROV_CODE
        AND

        XA.b1_master_id1 = B1.B1_PER_ID1
        AND XA.b1_master_id2 = B1.B1_PER_ID2
        AND XA.b1_master_id3 = B1.B1_PER_ID3
    </select>

    <where>

        <parameter name ="SERV_PROV_CODE" alias="B1" column
        ="SERV_PROV_CODE" dataType = "String" operator = "="
        logic = "AND"
        isRequired = "true"/>

        <parameter name ="B1_PER_ID1" alias="XA" column
        ="B1_PER_ID1"
        dataType = "String" operator = "=" logic = "AND" />

        <parameter name ="B1_PER_ID2" alias="XA" column
        ="B1_PER_ID2"
        dataType = "String" operator = "=" logic = "AND" />

        <parameter name ="B1_PER_ID3" alias="XA" column
        ="B1_PER_ID3"

```

```

dataType = "String" operator = "=" logic = "AND" />
    <parameter name ="B1_PER_GROUP" alias="B1" column
="B1_PER_GROUP"
dataType = "String" operator = "=" logic = "AND" />
    <parameter name ="B1_PER_TYPE" alias="B1" column
="B1_PER_TYPE"
dataType = "String" operator = "=" logic = "AND" />
    <parameter name ="B1_PER_SUB_TYPE" alias="B1" column
="B1_PER_SUB_TYPE" dataType = "String" operator = "="
logic = "AND" />
    <parameter name ="B1_PER_CATEGORY" alias="B1" column
="B1_PER_CATEGORY" dataType = "String" operator = "="
logic = "AND" />
    <parameter name ="B1_ACT_STATUS" alias="BC" column
="B1_ACT_STATUS" dataType = "String" operator = "=" logic
= "AND" />
    <parameter name ="B1_CHECKBOX_TYPE" alias="BC" column
="B1_CHECKBOX_TYPE" dataType = "String" operator = "="
logic = "AND"

/>

    <parameter name ="B1_CHECKBOX_DESC" alias="BC" column
="B1_CHECKBOX_DESC" dataType = "String" operator = "="
logic = "AND"
/>

</where>
</sqlQuery>

<sqlQuery name = "CheckParentFacilityID" maxRows = "1">
    <select>
        SELECT BC.B1_CHECKLIST_COMMENT AS FacilityID
        FROM B1PERMIT B1 INNER JOIN
            B1CHECKBOX BC ON B1.SERV_PROV_CODE = BC.SERV_PROV_CODE
    AND

    B1.B1_PER_ID1 = BC.B1_PER_ID1 AND
        B1.B1_PER_ID2 = BC.B1_PER_ID2 AND B1.B1_PER_ID3 =
    BC.B1_PER_ID3

    INNER JOIN
        XAPP2REF XA ON XA.SERV_PROV_CODE = B1.SERV_PROV_CODE
    AND

    XA.b1_master_id1 = B1.B1_PER_ID1

```

```

        AND XA.b1_master_id2 = B1.B1_PER_ID2
        AND XA.b1_master_id3 = B1.B1_PER_ID3
    </select>
    <where>
        <parameter name ="SERV_PROV_CODE" alias="B1" column

="SERV_PROV_CODE" dataType = "String" operator = "="
logic = "AND"
isRequired = "true"/>
        <parameter name ="B1_PER_ID1" alias="XA" column
="B1_PER_ID1"

dataType = "String" operator = "=" logic = "AND" />
        <parameter name ="B1_PER_ID2" alias="XA" column
="B1_PER_ID2"

dataType = "String" operator = "=" logic = "AND" />
        <parameter name ="B1_PER_ID3" alias="XA" column
="B1_PER_ID3"

dataType = "String" operator = "=" logic = "AND" />
        <parameter name ="B1_CHECKBOX_TYPE" alias="BC" column
="B1_CHECKBOX_TYPE" dataType = "String" operator = "="
logic = "AND"

/>
        <parameter name ="B1_CHECKBOX_DESC" alias="BC" column
="B1_CHECKBOX_DESC" dataType = "String" operator = "="
logic = "AND"

/>
    </where>
</sqlQuery>
<sqlQuery name = "SearchCountry" maxRows = "1000">
    <select>SELECT BIZDOMAIN_VALUE,VALUE_DESC FROM
RBIZDOMAIN_VALUE

RV</select>
    <where>
        <parameter name ="BIZDOMAIN" alias="RV" column
="BIZDOMAIN"

```

```

dataType = "String" operator = "=" logic = "AND"
isRequired = "true"/>
    </where>
</sqlQuery>
<sqlQuery name = "SearchChildRecordID" maxRows = "1000">
    <select>SELECT b1_per_id1,b1_per_id2,b1_per_id3 from
XAPP2REF

XA</select>
    <where>
        <parameter name ="SERV_PROV_CODE" alias="XA" column
="SERV_PROV_CODE" dataType = "String" operator = "="
logic = "AND"

isRequired = "true"/>
        <parameter name ="B1_MASTER_ID1" alias="XA" column
="B1_MASTER_ID1" dataType = "String" operator = "=" logic
= "AND" />
        <parameter name ="B1_MASTER_ID2" alias="XA" column
="B1_MASTER_ID2" dataType = "String" operator = "=" logic
= "AND" />
        <parameter name ="B1_MASTER_ID3" alias="XA" column
="B1_MASTER_ID3" dataType = "String" operator = "=" logic
= "AND" />
        <parameter name ="REC_STATUS" alias="XA" column
="REC_STATUS"

dataType = "String" operator = "=" logic = "AND" />
    </where>
</sqlQuery>

```

Troubleshooting

To troubleshoot

- Note the alert e-mails which are sent based on settings in [step 4](#) of [Installing and Configuring on page 3](#).
- Change the priority value from "WARN" to "DEBUG" in the following codes of the *log4j.xml* file in the package so that the debug information can be written in to logs automatically.

```

<category additivity="true"
name="com.accela.adapter.service.impl.HttpPostService">
<priority value="WARN"/>
</category>

```

- Synchronize data manually when necessary. For example, when the power is suddenly off and the automatic synchronization is terminated, you can run *cers2aa.bat* to synchronize specific data from CERS to Accela Automation and run *aa2cers.bat* to synchronize specific data from Accela Automation to CERS. For information about which data is transferred by running *cers2aa.bat* and *aa2cers.bat* correspondingly, refer to [Table 1: Manual synchronization](#).

To synchronize data manually, do as follows. Suppose you want to synchronize data from CERS to Accela Automation during December 12, 2012 to December 13, 2012.

- Locate *cers2aa.bat* in the adapter package and double-click it.

The following window appears.

```

C:\> Import CME to AA
2012-12-28 09:50:05.953 INFO [main] [] [] [com.accela.adapter.service.impl.CapS
ervice1 64 start run import cap service
2012-12-28 09:50:05.953 INFO [main] [] [] [com.accela.adapter.service.impl.CapS
ervice1 65 The current version is 1.0
Input submittalActionOnStart<MM-dd-yyyy HH:mm:ss> :

```

- Enter the start time. You can either type “12-12-2012 00:00:01” or “12-12-2012”. Then press the **Enter** key on the keyboard.

The following window appears.

```

C:\> Import CME to AA
2012-12-28 09:50:05.953 INFO [main] [] [] [com.accela.adapter.service.impl.CapS
ervice1 64 start run import cap service
2012-12-28 09:50:05.953 INFO [main] [] [] [com.accela.adapter.service.impl.CapS
ervice1 65 The current version is 1.0
Input submittalActionOnStart<MM-dd-yyyy HH:mm:ss> :
12-12-2012
Input submittalActionOnEnd<MM-dd-yyyy HH:mm:ss> :

```

- Enter the end time. You can either enter “12-13-2012 00:00:00” or “12-13-2012”. Then press the **Enter** key on the keyboard.

Note: The result of running *cers2aa.bat* and *aa2cers.bat* is the same as the result that Windows Scheduled Tasks runs automatically.

Table 1: Manual synchronization

File	Data Transferring Direction	Specific Data
<i>cers2aa.bat</i>	From CERS to Accela Automation.	Data in the sheets “Chapter 1 - Facility Information”, “Chapter 2 - Hazardous Materials”, “Chapter 3 - Underground Storage” and “Chapter 4 - Hazardous Waste” of <i>CDR_DataElementExport.xls</i> .
<i>aa2cers.bat</i>	From Accela Automation to CERS	Data in the sheet “Chapter 5 - CME Information” of <i>CDR_DataElementExport.xls</i>