



# Nebraska ADVISER Near Real Time

February 2019  
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# Overview



- ▶ JMC is releasing a series of Nebraska ADVISER (Ed-Fi) videos in 2019.
- ▶ These videos will be short and will cover topics such as
  - Start Year
  - Mid Year
  - Year End
  - Near Real Time vs. Batch Processing
  - Near Real Time
  - Nebraska Miscellaneous
  - Error Correction
  - ADVISER: 2019–2020 and beyond

# ADVISER Near Real Time



Near Real Time submission allows you to have data automatically submitted any time you edit a student. Near Real Time processing can be enabled any time after initial Start Year batch processing has been completed

# ADVISER Near Real Time On-boarding



- Make sure you have “on-boarded” for the new school year before enabling Near Real Time
  - Nebraska – ADVISER – Start Year
    - All tabs

# ADVISER Near Real Time

## Near Real Time Setup

- Make sure you have finished Start Year processes first
- File – Administrator Options
  - Ed-Fi Settings
    - Enable Ed-Fi Interchanges in Near Real Time
    - Enter Ed-Fi Near Real Time Error Notification Email Address
  - SMTP Settings
    - Acquire from Eric Doyle (eric@jmcinc.com)

# ADVISER Near Real Time



Since 1980



Here I am using my own SMTP settings for the testing environment. The clients will have their own SMTP settings as provided by Eric

The screenshot shows the ADVISER software interface. On the left is a vertical navigation menu with the following items: Home, File, Administrator Options (highlighted), Online Settings, Define Custom Fields, User Privileges, Who Am I?, Switch School Building, Switch School Year, Messaging Logs, Manage Phone Recordings, Student Registration Settings, Integrations, Ed-Fi Events, Edit, Attendance, Schedules, Grading, Period Attendance, Discipline, and Activities. The main content area is divided into two sections. The top section, titled 'School Settings:', contains three dropdown menus: 'Number of periods in a day:' set to 8, 'Days in Cycle:' set to 1, and 'Day Labels:' with '1.A' entered. Below these is a 'Sort schedules by:' section with three radio button options: 'Semester' (selected), 'Trimester', and 'Quarter'. The bottom section, titled 'Sending Email:', contains several input fields and checkboxes. The 'SMTP server:' field is set to 'smtp.onlinejmc.com'. The 'Send From Email Address:' field is set to 'greggilman@onlinejmc.com'. There are two checkboxes: 'SMTP server requires secure connection (SSL)' which is unchecked, and 'SMTP server requires authentication' which is checked. Below the checked checkbox are two more input fields: 'Account ID:' set to 'greggilman@onlinejmc.com' and 'Password:' which is obscured by a black redaction box.

# ADVISER Near Real Time



Here is the Ed-Fi Settings page, showing how to enable NRT and set the email address for error notification

<b>Enable Ed-Fi Interchanges:</b> <input checked="" type="checkbox"/>		
<b>Enable Ed-Fi Interchanges in Near Real Time:</b> <input checked="" type="checkbox"/>		
<b>Ed-Fi Near Real Time Error Notification Email Address:</b>	<input type="text" value="greg@jmcinc.com"/>	
<b>Enable Posting of Ed-Fi Special Education (SSEPA) Resources:</b> <input type="checkbox"/>		
<b>API URL:</b>	<input type="text" value="https://sandbox.nebraskacloud.org/1819/api/api/v2.0/"/>	
<b>Authentication URL:</b>	<input type="text" value="https://sandbox.nebraskacloud.org/1819/api/"/>	
<b>Client Key:</b>	<input type="text" value="REDACTED"/>	
<b>Client Secret:</b>	<input type="text" value="REDACTED"/>	

<b>Building:</b> <input type="text" value="Newman Grove Public School"/>
<b>Enable Nightly Submission for Student School Attendance (half-day/full-day) Resources:</b> <input type="checkbox"/>
<b>Enable Nightly Submission for Student Section Attendance (period) Resources:</b> <input type="checkbox"/>

# ADVISER Near Real Time



Almost immediately upon enabling Near Real Time there can be events processed that result in errors.

The error messages will look very similar to what you might see during batch processing, however they will be sent to the designee via email instead of showing up immediately on the page in a summary report.

Generally, the client will only see errors in the report, not processes that ended successfully.





# ADVISER Near Real Time

## Email with Errors – Example 1

### Updated Course 5

greg@jmcinc.com

9:23 AM (11 minutes ago)

to me

Ed-Fi Near Real Time error(s):

Course: 5 Term Type: Fall Semester Building: 1 409 Conflict { "message": "The value supplied for the related 'session' resource does not exist." }

Course: 5 Term Type: Spring Semester Building: 1 409 Conflict { "message": "The value supplied for the related 'session' resource does not exist." }

Course: 5 Term: S1 SectionID: 1 Building: 1 409 Conflict { "message": "The value supplied for the related 'classPeriod' resource does not exist." }

Course: 5 Term: S2 SectionID: 2 Building: 1 409 Conflict { "message": "The value supplied for the related 'classPeriod' resource does not exist." }

Teacher: Sweeter, Kylie Building: 1 Course: 5 Section: 1 403 Forbidden { "message": "Authorization denied. The claim does not have any established relationships with the requested resource." }

Teacher: Sweeter, Kylie Building: 1 Course: 5 Section: 2 403 Forbidden { "message": "Authorization denied. The claim does not have any established relationships with the requested resource." }

Student: Bollig, Jayme SchoolID: 590013001 Course: 5 Term: S1 Period: 2 403 SendOneStuSectAssoc Forbidden; Access to the resource item could not be authorized because the StudentUSI of the resource is empty

Student: Bollig, Jayme SchoolID: 590013001 Course: 5 Term: S2 Period: 2 403 SendOneStuSectAssoc Forbidden; Access to the resource item could not be authorized because the StudentUSI of the resource is empty

Student: Biedel, Michael SchoolID: 590013001 Course: 5 Term: S1 Period: 2 403 SendOneStuSectAssoc Forbidden; Access to the resource item could not be authorized because the StudentUSI of the resource is empty

many more errors

# ADVISER Near Real Time Email with Errors – Example 1 File – Ed-Fi Events

Status Codes:           A – Add  
                                  C – Change  
                                  E – Error  
                                  P – Processed

Refresh From Date: 1/28/2019 To Date: 1/30/2019  
Delete AutosequenceID Range From: To: Delete

	Update Date	Status	Event Type	Resource Type	Comment When Logged	Comment When Processed	HTTP Code	Auto Sequence ID	Course Number
Edit Delete	01/30/2019 08:59:41 AM	A	UPDATE	Course	Edit Course Data (save):		9016	5	
Edit Delete	01/29/2019 11:21:54 AM	P	UPDATE	LEAsTableFromAPI		Record Count: 446 Error count: 0	9015		

Above: Before Processed – Status A; Below: After Process Attempt – Status E  
Note: the processing may happen so fast that you will not see status A in table

Refresh From Date: 1/28/2019 To Date: 1/30/2019  
Delete AutosequenceID Range From: To: Delete

	Update Date	Status	Event Type	Resource Type	Comment When Logged	Comment When Processed	HTTP Code	Auto Sequence ID	Course Number
Edit Delete	01/30/2019 08:59:41 AM	E	UPDATE	Course	Edit Course Data (save):		9016	5	
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# ADVISER Near Real Time

## Email with Errors – Example 1

### Issue

On-boarding was not done prior to enabling Near Real Time

### Solution

Disable Near Real Time

Do On-boarding


Nebraska – ADVISER – Start Year

All tabs

Fix all errors

Re-enable Near Real Time

Enable Ed-Fi Interchanges:

Enable Ed-Fi Interchanges in Near Real Time:  

Ed-Fi Near Real Time Error Notification Email Address:

Enable Posting of Ed-Fi Special Education (SSEPA) Resources:

API URL:

Authentication URL:

Client Key:

Client Secret:

# ADVISER Near Real Time



On-boarding – almost a clean slate for General Tab (see staff related resources)

ADVISER Start Year

Prep Tables **General** Students Parents

- Update Calendar Date Events (all buildings)
- Update Calendar (all buildings)
- Update Grading Periods (all buildings)
- Update Calendar Dates (all buildings)
- Update Locations (all buildings)
- Update Class Periods (all buildings)
- Update Sessions (all buildings)
- Update Course Offerings (all buildings)
- Update Sections (all buildings)
- Update Staff Education Organization Assignment Associations (all buildings)
- Update Staff School Associations (all buildings)
- Update Staff Section Associations (all buildings)

Prior Related Updates

01/30/2019 10:42:08 AM	StaffSectionAssociations	by: JMCADMIN	Record Count: 240	Error count: 46
01/30/2019 10:41:27 AM	StaffSchoolAssociations	by: JMCADMIN	Record Count: 70	Error count: 6
01/30/2019 10:41:09 AM	StaffEdOrgAssignmentAssociations	by: JMCADMIN	Record Count: 70	Error count: 8
01/30/2019 10:37:32 AM	Sections	by: JMCADMIN	Record Count: 582	Error count: 0
01/30/2019 10:35:38 AM	CourseOfferings	by: JMCADMIN	Record Count: 518	Error count: 0
01/30/2019 10:34:36 AM	Sessions	by: JMCADMIN	Record Count: 14	Error count: 0 Terms with undefined dates: 30
01/30/2019 10:34:24 AM	ClassPeriods	by: JMCADMIN	Record Count: 18	Error count: 0
01/30/2019 10:34:17 AM	Locations	by: JMCADMIN	Record Count: 52	Error count: 0
01/30/2019 10:33:13 AM	CalendarDates	by: JMCADMIN	Record Count: 344	Error count: 0
01/30/2019 10:32:29 AM	GradingPeriods	by: JMCADMIN	Record Count: 14	Error count: 0
01/30/2019 10:32:13 AM	Calendar	by: JMCADMIN	Record Count: 38	Error count: 0
01/30/2019 10:15:58 AM	CalendarDateEvents	by: JMCADMIN	Record Count: 1032	Error count: 0
01/30/2019 10:14:09 AM	LEAsTableFromAPI	by: JMCADMIN	Record Count: 446	Error count: 0
01/30/2019 10:13:58 AM	SchoolsTableFromAPI	by: JMCADMIN	Record Count: 1290	Error count: 0
01/30/2019 10:13:43 AM	EdFiCoursesTableFromAPI	by: JMCADMIN	Record Count: 641	Error count: 0
01/30/2019 10:13:36 AM	AcademicSubjectsTableFromAPI	by: JMCADMIN	Record Count: 64	Error count: 0
01/30/2019 08:59:41 AM	Course	by: JMCADMIN		
01/29/2019 11:21:54 AM	LEAsTableFromAPI	by: JMCADMIN	Record Count: 446	Error count: 0



# ADVISER Near Real Time

Prep tab

Good opportunity to verify

Update Tables

On-boarding - need a clean slate

ALL resources

ALL tabs

# ADVISER Near Real Time Email Errors – More



Part of this ADVISER video series – will be a video devoted to just error correction.

# Nebraska ADVISER Resources

- ▶ <https://www.education.ne.gov/dataservices/adviser-resources/#1533221816265-b51e789f-abfc>

# JMC Resources



- ▶ [http://jmcinc.com/state\\_reporting](http://jmcinc.com/state_reporting)
- ▶ Documentation Updates
  - ▶ Nebraska State Reporting (PDF)
  - ▶ Instructional Videos Series
  - ▶ Sign up for free web-based training
  - ▶ All will be updated on ongoing basis





#### CURRENT BUILD DATE:

NextGen: 1/11/19

- Download / Update Software Resources
- Secretary / Office Professionals
- Technology Professionals
- Administrators
- Teachers
- State Reporting**
- Food Service Professionals
- Health Professionals
- Prospective Clients
- Contact Us
- Office Supplies
- Upcoming Events**

## STATE REPORTING

All State Reporting resources are available for you on this page. Please click on the tab that contains the state reporting information you need.

- Minnesota
- Wisconsin
- Nebraska**
- Iowa
- Other States

JMC prides itself on keeping up-to-date on all Nebraska state reporting requirements. JMC ties all of the necessary data together in the JMC database so you can more easily fulfill your state reporting requirements.

### ADVISER Video Series

ADVISER Start Year	PDF 2/19/2019	Video 2/19/2019
ADVISER Near Real Time vs. Batch	PDF 2/19/2019	Video 2/19/2019
ADVISER Near Real Time	PDF 2/19/2019	Video 2/19/2019

### DOCUMENTATION

Nebraska State Reporting	Updated 1/4/2019
Discipline NE	12/13/2017
Attendance NE	Updated 4/24/2018

### RECENT PRESENTATIONS

ADVISER Updates for 18-19 from Regional Summer Conference 7.24.18	<a href="#">PowerPoint</a>
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### News

There are a lot of changes happening with state reporting. Please refer to the appropriate tab at right for your state for information about documentation updates, deadlines, and related news.

# Questions?

- ▶ Feel free to contact us:
- ▶ JMC Technical Support
  - ▶ Talk with Us: 800-524-8182
  - ▶ Website: <http://www.jmcinc.com>
  - ▶ Support Tickets:  
<http://tickets.jmcinc.com/>
  - ▶ Email: [Support@jmcinc.com](mailto:Support@jmcinc.com)