

Description: This configuration guide walks users through the process of integrating Clever with MiDataHub. This document provides users step by step instructions using the Manage Custom Exports functionality to generate the files and creating the outbound in the Michigan Data Hub Cockpit.

Step 1: Login to the Michigan Data Hub Cockpit and select Reports > Manage Custom Exports:

Michigan Data Hub	> State of Mich	aigan > Grans	i Bend				Hell	io kevin bullard@kresa.org!	Log off
Agreements +	Inventory -	Reports +	Utilities -	MSDS -	MILEARN +	Features -			
Managa District: Cr		View Distri	ct Reports						
Manage Di	Sulot. On	Manage C	ustom Export	9					
	ISD	Intermediat	e District Co	de : State of	n Data Hub Michigan				
	155		Distr	ict : Grand B	Bend, Id: 182, Co	de: 255901			
			District Ty	pe:LEA					
			Addre	ss:,,					
URL :									
Current School Year : (2020-			(021 (populated)	*		Contrast Colder			
		3	FIP Passwo	ra :	•		۲	District Folder	
		Inte	gration Serv	er : HUB-E	TL5				

Step 2: Click Select Query Tag, select Clever, and click Create Export Set:

Export Manager				Select ODS Year:	
Manage Export Sets				2021-2022	~
Export Set Name	Date Created	Last Submitted	Actions		
Assessments	10/14/2021 03:33 PM		Delete Create Download File for 2021-2022		
Behavior	10/13/2021 03:03 PM		Delete Create Download File for 2021-2022		
Class List Verification	07/06/2021 10:24 AM		Delete Create Download File for 2021-2022		
Data Quality	16/07/2020 03:15 PM		Delete Create Download File for 2021-2022		
Data Validation	10/19/2020 02:05 PM		Delete Create Download File for 2021-2022		
Data Validation	10/19/2026 02:06 PM		Delete Create Download File for 2021-2022		
Data Validation for Grand Bend ISD	03/17/2021 02:03 PM		Delete Create Download File for 2021-2022		
Data Validation Scripts Folder 2	03/17/2021 04:06 PM		Delete Create Download File for 2021-2022		
Demo Export Set	04/28/2021 03:44 PM		Delete Create Download File for 2021-2022		
Demo for SWIS	06/01/2021 09:47 AM		Delete Create Download File for 2021-2022		
Dons Export Set	04/27/2021 11:47 AM		Delete Create Download File for 2021-2022		
MSDS Field Level Validation	09/16/2021 04:40 PM		Delete Create Download File for 2021-2022		
New Export	02/22/2021 04:35 PM		Delete Create Download File for 2021-2022		
New Export	04/20/2021 03:55 PM		Delete Create Download File for 2021-2022		
OneRoster	09/24/2020 10:16 PM		Delete Create Download File for 2021-2022		
OneRoster - Test Version	10/14/2021 10:49 AM		Delete Create Download File for 2021-2022		
OneRoster Demo for Training	09/25/2029 11:33 AM		Delete Create Download File for 2021-2022		
OneRoster Training	10/07/2020 02:40 PM		Delete Create Download File for 2021-2022		
Skyward OneRoster Demo	11/10/2020 03:03 PM		Delete Create Download File for 2021-2022		
Traversa	04/23/2021 04:25 PM		Delete Create Download File for 2021-2022		
Add New Export Set					
Clever Y Greate Expo	t Set				

Step 3: Confirm the six files required for the outbound integration are configured:

- Clever Enrollments
- Clever Schools
- Clever Sections
- Clever Staff
- Clever Students
- Clever Teachers

Upon confirmation of the files being generated, confirm the current year is selected in the Select ODS Year pull down menu. After confirming these steps, click Save:

Export							
Export Set Name:							
Clever							
						Click to propose this export set to be share	d with all districts
Queries included in export set:						Select ODS Year:	
						2021-2022	~
Show 10 🗸 entries						Search:	
Query Name		Query Description			Actions		
Clever-Enrollments		Enrollments file for Clever Inte	gration		Delete Create Down	oad File for 2021-2022 Preview Results	
Clever-Schools		School file for Clever Integrati	90		Delete Create Down	oad File for 2021-2022 Preview Results	
Claure Sections		Sections file for Claver Integra	fine .		Delete Create Deurol	and Ele for 2021 2022. Draview Deculto	
Ciever-Sections		Sections life for Clever Integra	8001		Delete Create Down	Cad The for 2021-2022 Preview Results	
Clever-Staff		Staff File for Clever Integratio	1		Delete Create Downl	oad File for 2021-2022 Preview Results	
Clever-Teachers		Teacher file for Clever Integra	lion		Delete Create Down	oad File for 2021-2022 Preview Results	
Showing 1 to 5 of 5 entries							
Create Another Query						Previo	us 1 Next
Second Online							
Format Options							
	Delimiter:						
	Comma			~			
	Text Qualifier:						
	Double Quotes			~			
	End Of Line Delimiter						
	CR/LF Carriage Return and	Line Feed		~			
	ASCII			×			
	El Educio						
	File Extension:						
	.034						
	Note: it export contains multiple frier	s, format settings will apply to all files included in the i	xport bundle.				
Cancel					🖺 Save		
Ston A. Confirm th	o Clover export of	at avists unda	rtha Managa Cust		te.		
step 4. Commun	e clever export se	et exists unue	T the Manage Cust	omexpor	<u>.</u> .		
Export Manager							
				Select ODS Year:			
Manage Export Sets				2021-2022			
Export Set Name	Date Created	Last Submitted	Actions				
Assessments	10/14/2021 03:33 PM		Delete Create Download File for 2021-2022				
Behavior	10/13/2021 03:03 PM		Delete Create Download File for 2021-2022				
Class List Verification	07/06/2021 10:24 AM		Delete Create Download File for 2021-2022				
Data Quality	10/07/2020 03:15 PM		Delete Create Download File for 2021-2022 Delete Create Download File for 2021-2022				
Data Validation	10/19/2020 02:05 PM		Delete Create Download File for 2021-2022				
Data Validation	10/19/2020 02:08 PM		Delete Create Download File for 2021-2022				
Data Validation for Grand Bend ISD	03/17/2021 02:03 PM		Delete Create Download File for 2021-2022				
Data Validation Scripts Folder 2	03/17/2021 04:06 PM		Delete Create Download File for 2021-2022				
Demo Export Set	04/28/2021 03:44 PM		Delete Create Download File for 2021-2022				
Demo for SWIS	06/01/2021 09:47 AM		Delete Create Download File for 2021-2022				
Lions Export Sel	04/27/2021 11:47 AM		Delete Create Download File for 2021-2022				
New Export	02/22/2021 04:35 PM		Delete Create Download File for 2021-2022				
New Export	04/20/2021 03:58 PM		Delete Create Download File for 2021-2022				
OneRoster	09/24/2020 10:16 PM		Delete Create Download File for 2021-2022				
OneRoster - Test Version	10/14/2021 10:49 AM		Delete Create Download File for 2021-2022				
OneRoster Demo for Training	09/25/2020 11:33 AM		Delete Create Download File for 2021-2022				
OneRoster Training	16/07/2020 02:40 PM		Delete Create Download File for 2021-2022				
Skyward OneRoster Demo	11/10/2020 03:03 PM		Delete Create Download File for 2021-2022				
Traversa	04/23/2021 04:25 PM		Delete Create Download File for 2021-2022				

Add New Export Set

Step 5: The import functionality in Clever requires filenames. Currently each file in the export set needs to be renamed, removing the Clever from each file. (Example Clever Enrollments needs to be renamed to Enrollments, in the export from Clever Enrollments to just Enrollments. The team at MiDataHub is planning to create an option for this to happen automatically, but it isn't in place yet.

- Clever Enrollments > rename to Enrollments
- Clever Schools > rename to Schools
- Clever Sections > rename to Sections
- Clever Staff > rename to Staff
- Clever Students > rename to Students
- Clever Teachers > rename to Teachers

Step 5A: To complete the file renaming please navigate to Reports>Manage Custom Exports and click the Clever Export set. On this screen select the file needing to be renamed:

Incloses Data has a State of Michael + Content Faced + Manage Econd Hote Service South				
Export				
Diport Set Name:				
		Click to propose this export set to be shared with all districts		
Queries included in export set:		Select ODS Year:		
		2021-2022 👻		
Show 10 🗸 entries		Search		
- Query Name	Query Description	Actions		
Clever-Enrolments	Enrolments file for Clever Integration	Delete Create Download File for 2021-2022 Preview Results		
Clever-Schools	School file for Clever Integration	Delete Create Download File for 2021-2022 Preview Results		
Clever-Sections	Sections file for Clever Integration	Delete Create Download File for 2021-2022 Preview Results		
Clever-Staff	Staff File for Clever Integration	Delete Create Download File for 2021-2022 Preview Results		
Clever-Teachers	Teacher file for Clever Integration	Delete Create Download File for 2021-2022 Preview Results		
Daving 155 5 stress				

Step 5B: Click continue:

Mechan Data Hub > State of Michain > Grand Rend > Manage Excert > Manage Overy	Helio kevin bullardgäzesa.org/ 🔽 og eff
Edit Query	
Guery type:	
Writing/Pasting the Query in T-SQL	×
	Cancel Continue

Step 5C: Click Preview results:

I	Michines: Date this > State of Michines > Grand Band > Manaou Exocit > Manaou Quary	Hello kevin bulland@kresa org/ Log off
	Write Query	
L	Query Bank:	
	Select	~
	sated Soutorian Status(i and Soutorian Status(i SSuthardSoutorian) and Soutorian SSuthardSoutorian and Soutorian Influence of Status(SSuthardSoutorian) Influence Status(SSUthardSoutorian)	
	Cano	Back Preview Results

Step 5D: Remove Clever from the query name, and click continue:

Michigan Data Hub > State of Michigan > Grand Bend > Manage Export > Manage Guery			Helio kevin bullard@kresa.org! Log off
Preview Data			Preview ODS Year:
			2021-2022 ¥
Query Name:			
Econo Enrolments			
Description:			
Enrollments file for Clever Integration			
School_id	Section_id	Student_id	
Hide SQL			
<pre>select toolstar as tools.ju I instancialCoverses'-visa.Metilametrifer'-'-visa.testioneme as section_id .tinumentament as transmitter instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instances.instance</pre>			
Cancel	Create File for Download 🛦		Revise Query Continue

Step 5E: Repeat steps 5A-5D to remove Clever from the remaining query names:

Michigan Data Hub > State of Michigan > Grand Rend > Contorn Exports > Manage Export			Helio kevin.bullard@kresa.org! Log off
Export			
Clever			
		Click to p	propose this export set to be shared with all districts
Queries included in export set:			Select OD S Year:
			2021-2022 👻
There is a solidar			
Snow to ventues			Search
Query Name	Query Description	Actions	
Clever-Schools	School file for Clever Integration	Delete Create Download P	le for 2021-2022 Preview Results
Clever-Sections	Sections file for Clever Integration	Delete Create Download F	le for 2021-2022 Preview Results
Clever-Staff	Staff File for Clever Integration	Delete Create Download F	ile for 2021-2022 Preview Results
Clever-Teachers	Teacher file for Clever Integration	Delete Create Download F	le for 2021-2022 Preview Results
Enroliments	Enrollments file for Clever Integration	Delete Create Download F	ile for 2021-2022 Preview Results
Stouling 1 to 5 of 5 entities			

Step 6: Navigate back to the MiDataHub Cockpit, and scroll down to the Outbound Integrations, and select Add Integration:



Step 7: Configure the Outbound Integration with the following information:

System Type:Integration VendorsVendor:CleverSystem:Clever-v1Output Type:Custom ExportOutput:CleverYear:Current YearQuery Timeout:120

Add Outbound Integration		
System Typ	e:	Integration Vendors
Vendo	or:	Clever
System	n:	Clever - v1 🗸
Output Typ	e:	Custom Export 🗸
Outpu	ıt:	Clever
Yea	ar:	Current Year 🗸
Query Timeou	ıt:	120

Destinations: Select Delivery type: SFTP and populate remaining information with SFTP credentials provided by the team at Clever:

Destinations	
vd Destination 1	
Status: Delivery Type:	SFTP V (remove)
Active 🗸	
Location Type:	O Local
	Remote
SFTP:	sftp.clever.com Test Connection
SFTP Port Number:	22
Path:	
User Id:	
User Password:	••••••
Public Key:	
Compression Type:	O Compressed
	Uncompressed
Bundle Name Template:	9
Include Timestamp in output name:	

Schedules:

Schedule Type: Daily

Start Date: Configure to the start date that you choose to send the clever exports for Clever to use

Start Time: Time of day the schedule will execute the export

Repeat every: Typically 1 for daily

Status – Active

Notification Email: Adding an email address to this box will send a notification upon success or failure of this export.

When all changes have been made, click submit and contact the team at Clever to make them aware when the files will begin populating to them.

If you need any assistance with this configuration, please email support@midatahub.org