

Setting Up the Data Extract Client to Utilize the Pull Delivery Mode

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Infinite Campus has announced that the Data Extract Utility PULL method will be discontinued, with an end-of-life date set for June 30th, 2025. Impacts:

- PULL .bat files previously created with the PULL Client tool (ExtractWizardHelper.bat a.k.a. exportWizard) will no longer function. Districts extracting data by running PULL .bat files need to migrate to another delivery method (SFTP, FTPS, SMB) for these extracts prior to deprecation.
- The PULL Client tool, which is used for authenticating into Infinite Campus, will no longer function correctly and will result in a connection error for users still attempting to utilize this method.
- On the Data Extract Utility screen within Infinite Campus, PULL mode will be renamed to Test Extract. The Test Extract button will continue to function.

It's important to note that customers using other delivery methods (SFTP, FTPS, SMB) will **not** be affected by this change. For those impacted, it will be crucial to plan and execute the transition well ahead of the deadline to avoid disruptions in data access and operations.

The Pull Delivery Mode allows users to pull data from Campus and export it to a predetermined destination. This article walks you through the steps needed to properly configure and setup up the process for saving Data Extract reports to other machines via a Data Extract Utility Client.

If you are experiencing connectivity issues with the Data Extract Utility Client using the Pull method, see this article.

Prerequisites

The following must be completed prior to setting up the Data Extract Utility Client:

- Extracts need to be created within the Data Extract Utility.
- Extracts within the Data Extract Utility need to be set to a Delivery Mode of PULL.

Configure the Data Extract Utility Client

The following steps will walk you through configuring the Data Extract Utility Client:

- 1. Download the zip file and extract it to the machine you would like data pulled onto.
- 2. Double-click the **ExtractWizardHelper.bat** file. The Infinite Campus Export Wizard Config tool will appear.

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Name ^	Date mod
퉬 dasses	7/27/201
퉬 jdk1.8.0_40	7/24/2016
📔 lib	7/24/201
ExtractWizardHelper.bat	7/24/2010
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3. Enter the **Username**, Password, and **Login URL** (must be HTTPS) and click the **Save** button. Your Campus Username and Password are the values you should enter in these fields and the URL of your Campus login page is the value you must enter in the URL field.

THE LOGIN URL MUST BE HTTPS

Campus recommends you create a new user to pull extracts and give Campus login and Data Extract Utility tool rights to this user.

🕌 Infinite Campus Export Wizard Config	
Campus Credentials	
Username Password	
Login Url	
	Credentials not saved Save
Reports	
Set login credentials to load available reports.	
	Save Settings Quit

Once logged in, you will see the reports set up in the Data Extract Utility within Campus (see image below).

ampus Credentials						
sername support	Password •	•••••				
ogin Url https:/						
						Login successful Save
eports						
.porto	CODE_DISTRICT	Set Output	Test	Create Executables	Output Path not set	
					_	
	SCHOOL	Set Output	Test	Create Executables	Output Path not set	₩
	PIF_SECTION	Set Output	Test	Create Executables	Output Path not set	

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> Only reports in the Data Extract Utility Set Up tool with a Delivery Mode of PULL can be configured to pull and report data via the Data Extract Utility Client. To modify existing reports to use HTTPS Pull, go to System Administration > Data Utilities > Data Extract Utility and update the Delivery Method to PULL (select image below).

You will need to quit and reopen the Data Extract Utility Client to see modifications made to reports.

🕒 Save 😣 Delete	+ New					
Data Extract Options Editor						
Extract Instance Name	Delivery Mode		Frequency Scheduled	Extract Mode	Stopped Last Run	
Destiny Student	SMB	ftp.infinitecampus.com		sql	false	
MN_DirectAdmissions	pull			sql	true	
Translations	SMB	127.0.0.1		sql	true	
Transportation	SMB	ftp.infinitecampus.com		sql	false	
Detail Information						
*Extract Instance Name			Delivery Mode			
MN_DirectAdmissions			O SMB			
			SFTP Legacy (Being Deprecate	ed)		
			○ SFTP			
			O FTPS			
			PULL			
			Append Date to Filename: 🖲 No Da	ite \odot yyyymmdd \odot y	yyymmddhhmmssSS	
Column Delimiter		Character Set	Include header row?	Include double quote	s?	
CSV 🗸		US-ASCII 🗸				
			<u>u</u>			
			Error Notification	User Group to Notify		
			Enor Nouncation	User Group to Notify		
					~	
SQL Prism		AdHoc	Use Data Warehouse Connection			
		\bigcirc				
*SQL/Prism		0	0			
	1					
EXEC get_MN_directAdmiss	ions					

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4. Click **Set Output** for the report you want to configure, enter the filename and extension type (i.e., csv, txt, etc) and click the **Save** button.

Infinite Campus Data Extra	act Utility Client				
Campus Credentials					
Username support	Password ••••	•••••			
Login Url https:/					
				Login successful	Save
Reports					-
	CODE_DISTRICT	Set Output Test	Create Executables		
	SCHOOL				
	PIF_SECTION	🛃 Save output file		×	
			1		
		ave In: 📑 Expor	tWizard		
		classes			=
		📑 jtk1.8.0_40			
		📑 lib			
		ExtractWizardH	elper.bat		
		File Name: output			
		Files of <u>Type</u> : All Fi	les		
				Save Cancel	
				Canoer	
				Save Settings	Quit

5. Now that the file is being properly pulled down into the directory specified in the previous step,



you should now test the report by clicking the **Test** button to verify the file was written to the proper location. The Output Path column will update with the location of the file.

Infinite Campus Data Campus Credentials			7			-	
Username support							
Login Url https:/							
			_			Login successful	Save
Reports	CODE_DISTRICT	Set Output	Test	Create Executables	Output Path not set		
	SCHOOL	Set Output	Test	Create Executables	Output Path not set		
	PIF_SECTION	Set Output	Test	Create Executables	Output Path not set		
							Ē
							-
						Save Settings	Quit

6. Verify the Output Path populated by the previous step is correct. If so, select the Create Executables button to set the directory you would like the bat file and properties files to be written. The bat file can now be scheduled to pull the report. The Create a Windows Scheduled Task section below will explain more about this process.

ampus Credential			
sername support	Password •••	•••••	
ogin Url https:/			
			Login successful Save
eports			
	CODE_DISTRICT	Set Output Test Create Executable	es
	SCHOOL		
	PIF_SECTION	≜ Save output file	X
		Save In: 📑 ExportWizard	
		Classes	
		ExtractWizardHelper.bat	
		File Name: output.txt	
		Files of Type: All Files	
		Airries	
			Save Cancel

7. The previous step has now placed a .bat file within the directory. This .bat file is named by the extractID from Campus but has a remark in the filename to help identify the report (see example below).

	Date mo			
) dasses	7/27/20			
鷆 jdk1.8.0_40	7/24/20			
🔒 lib	7/24/20			
🚳 extract_36.bat	7/27/20			
extract_36.properties	7/27/20			
extractWizard.reports	7/27/20			
ExtractWizardHelper.bat	7/24/20			
				_
📕 extract_36.bat - Notepad				
File Edit Format View Help				
REM - This will pull extract C:\INFINITECAMPUS\ExportWiza	data from http:// ard\jdk1.8.0_40\jre\bir	n\java.exe -cp C:\INFINI	.com/coreOLR/coreOLR.jsp. Extract name "bol NITECAMPUS\ExportWizard\classes com.infinitecar	b" .mpu

Settings for what has been configured is saved in the *extract_XX.properties* file.

📗 da	sses		7/27/20
📄 jdk	(1.8.0_40		7/24/20
🔋 📗 lib			7/24/20
🚳 ex	tract_36.bat		7/27/20
ex 📄	tract_36.properties	◀	7/27/20
📄 ex	tractWizard.reports		7/27/20
🚳 Ex	tractWizardHelper.bat		7/24/20
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8. Move on to and complete all steps in the Create a Windows Scheduled Task section described below.

Create a Windows Scheduled Task

Now that the Data Extract Utility Client has been configured, you must now follow these steps and create a Windows scheduled task:

1. Open the Task Scheduler tool by selecting the Windows Start Menu button, searching for Task Scheduler, and selecting the tool in search results (see image below).

Setting up a Windows Scheduled Task is required on any version of Windows however, the example below shows the process within Windows 7. The details and screens used to walk through this process may vary based on your version of Windows.

Programs (1) O Task Scheduler
Files (3)
₽ See more results
task scheduler × Shut down +
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 Once the Task Scheduler has been opened, click Action at the top and select Create Basic Task.

🔁 Dasł	hbpard 🐼 MN-1-AF	P01 X						
•	•				Task S	Scheduler		
File 4	Action View Help		_					
(* E	Create Basic Task		4					
🕑 Ta	Create Task		-	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
۵ 🚺	Import Task		tart	Ready	At 10:30 AM on 7/12/2016	Next Null Time		The operation complete
	Display All Running		Ski				Never	The operation complete
	Enable All Tasks Hist		н	Ready	At 5:10 AM every day	7/27/2016 5:10:00 AM		The operation complete
	New Folder		IPC		At 5:05 AM every day	7/27/2016 5:05:00 AM		The operation complete
			۸C	Ready	At 5:00 AM every day	7/27/2016 5:00:00 AM		The operation complete
	Refresh		АТ	Ready	At 5:15 AM every day	7/27/2016 5:15:00 AM	7/1/2015 5:15:00 AM	The operation complete
	Help		pda	Ready	Multiple triggers defined	7/26/2016 5:21:00 PM	7/26/2016 8:38:43 AM	The operation complete
		📕 🕒 GoogleU	pda	Ready	At 5:21 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	7/26/2016 9:21:00 AM	7/26/2016 8:21:00 AM	The operation complete
		<						
				1	· · · · · · · · · · · · · · · · · · ·			
		General T		s Actions				
		Name:	a	gentRestar	t			
		Location:	٧.					
		Author:	S	/STEM				
		Description	n:					

3. Give the task a **Name** that is descriptive of the job (for example, IC_LibraryExtract, IC_Transportation, etc) and click **Next**.

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		Create Basic Task Wizard
Create a Basic Ta	ısk	
Create a Basic Task Trigger	Use this wizar such as multi	d to quickly schedule a common task. For more advanced options or settings ple task actions or triggers, use the Create Task command in the Actions pane. IC_Library
Action Finish	Description:	
		< Back Next > Cancel

4. Select the frequency of the task (i.e., Daily, Weekly, Monthly, etc) and click **Next**.

Create Basic Task Wizard					
Task Trigger					
Create a Basic Task	When do you want the task to start?				
Trigger Action	Daily				
Finish	O Weekly				
	○ Monthly				
	O One time				
	 When the computer starts 				
	○ When I log on				
	 When a specific event is logged 				
	< Back Next > Ci	ancel			

5. Enter the Start Date, Time and Recurrence of the task. Once entered, select the **Next** button.

	Create Basic Task Wizard	x
Daily		
Create a Basic Task Trigger Daily Action Finish	Start: 7/26/2016 T 1:00:00 AM S Synchronize across time zones Recur every: 1 days	ancel

6. By default the **Start a Program** option will be selected. If not, select this option and select the **Next** button.



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7. Click the **Browse** button and locate the .bat file created via the Campus Data Extract Utility (Step 6 in the section above).

Create Basic Task Wizard	×
5 Start a Program	
Create a Basic Task	
Trigger	Program/script:
Daily	C:\InfiniteCampusExports\bin\httpclient.bat
Action	
Start a Program	Add arguments (optional):
Finish	Start in (optional):
u Name ~	Date mo
lasses	7/27/20
jdk1.8.0_40	7/24/20
📔 lib	7/24/20
stract_36.bat	7/27/20
extract_36.propert	ties 7/27/20
extractWizard.repo	orts 7/27/20 < Back Next > Cancel
ExtractWizardHelpe	er.bat 7/24/20

8. In the **Start in (optional)** field, copy and paste the directory of the .bat file.



For example, if the .bat file is located at *C*:*InfiniteCampusExports\bin\httpclient.bat*, the value you would enter in the Start in (optional) field would be *C*:*InfiniteCampusExports\bin*.

Once entered, select the **Next** button.

Create Basic Task Wizard		x
5tart a Program		
Create a Basic Task		
Trigger	Program/script:	
Daily	C:\InfiniteCampusExports\bin\httpclient.bat	Browse
Action Start a Program	Add arguments (optional):	
Finish	Start in (optional):	finiteCampusExports\bin
	< Back	Next > Cancel

9. Mark the **Open the Properties dialog for this task when I click Finish** checkbox and select **Finish**.

Create Basic Task Wizard		×
5 Summary		
Create a Basic Task		
Trigger	Name:	IC_library
Daily	Description:	
Action		
Start a Program		
Finish		
	Trigger:	Daily; At 1:00 AM every day
	Action:	Start a program; C:\InfiniteCampusExports\bin\httpclient.bat
		Properties dialog for this task when I click Finish
	When you cli	ick Finish, the new task will be created and added to your Windows schedule.
		< Back Finish Cancel

10. Select the **Run whether user is logged on or not** option and click **OK**.

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G	IC_Library Properties (Local Computer)					
General Triggers Actions Conditions Settings History (disabled)						
Name:	IC_Library					
Location:	V. Internet in the second seco					
Author:	MN-1-APP01\Administrator					
Description:						
-Security opt	ions					
When runn	ing the task, use the following user account:					
MN-1-APP	MN-1-APP01\Administrator Change User or Group					
O Run only when user is logged on						
Run whee	Run whether user is logged on or not					
Do not store password. The task will only have access to local computer resources.						
Run with highest privileges						
🗌 Hidden	Configure for: Windows Vista™, Windows Server™ 2008 ♥					
	OK Cancel					

11. Enter the **User Name** and **Password** for the Windows user who will run the task(s) and click **OK**.

(IC_Library Properties (Local Computer)				
General Triggers Action	ons Conditions Settings History (disabled)				
Name: IC_Library	·				
Location: Author: MN-1-AP	Task Scheduler ? ×				
Description:					
Security options When running the tas	Enter user account information for running this task.				
MN-1-APP01\Admini	Password: ange User or Group				
 Run only when use Run whether user is Do not store pa 					
□ Run with highest privileges □ Hidden Configure for: Windows Vista™, Windows Server™ 2008					
	OK Cancel				

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12. The scheduled task is now setup and will run on the schedule specified. This task can be manually run by right-clicking on the task within the Task Scheduler and selecting **Run**.

• Task Scheduler								
File Action View Help								
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Task Scheduler (Local) Task Scheduler Library	Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result	Author	Created
p and rosk beneather clothary	Adobe Acro	Queued	Multiple triggers defined	7/26/2016 12:00:00 PM	7/26/2016 7:29:56 AM	The operation completed successfully. (0x0)	Adobe Systems Incorporated	
	🕒 Adobe Flash	Ready	At 6:36 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	7/26/2016 9:36:00 AM	7/26/2016 8:36:00 AM	The operation completed successfully. (0x0)	Adobe Systems Incorporated	
	🕒 GoogleUpda	Ready	Multiple triggers defined	7/27/2016 8:33:00 AM	7/26/2016 8:33:00 AM	The operation completed successfully. (0x0)	SYSTEM	
	🕒 GoogleUpda	Ready	At 8:33 AM every day - After triggered, repeat every 1 hour for a duration of 1 day.	7/26/2016 9:33:00 AM	7/26/2016 8:32:59 AM	The operation completed successfully. (0x0)	SYSTEM	
	IC_library		Run				INFINITECAMPUS\jmiller	7/26/2016 9:02:26 AM
			End					
			Disable					
			Export					
			Properties					
			Delete					