

Data Extract Utility SFTP Key Exchange Manager

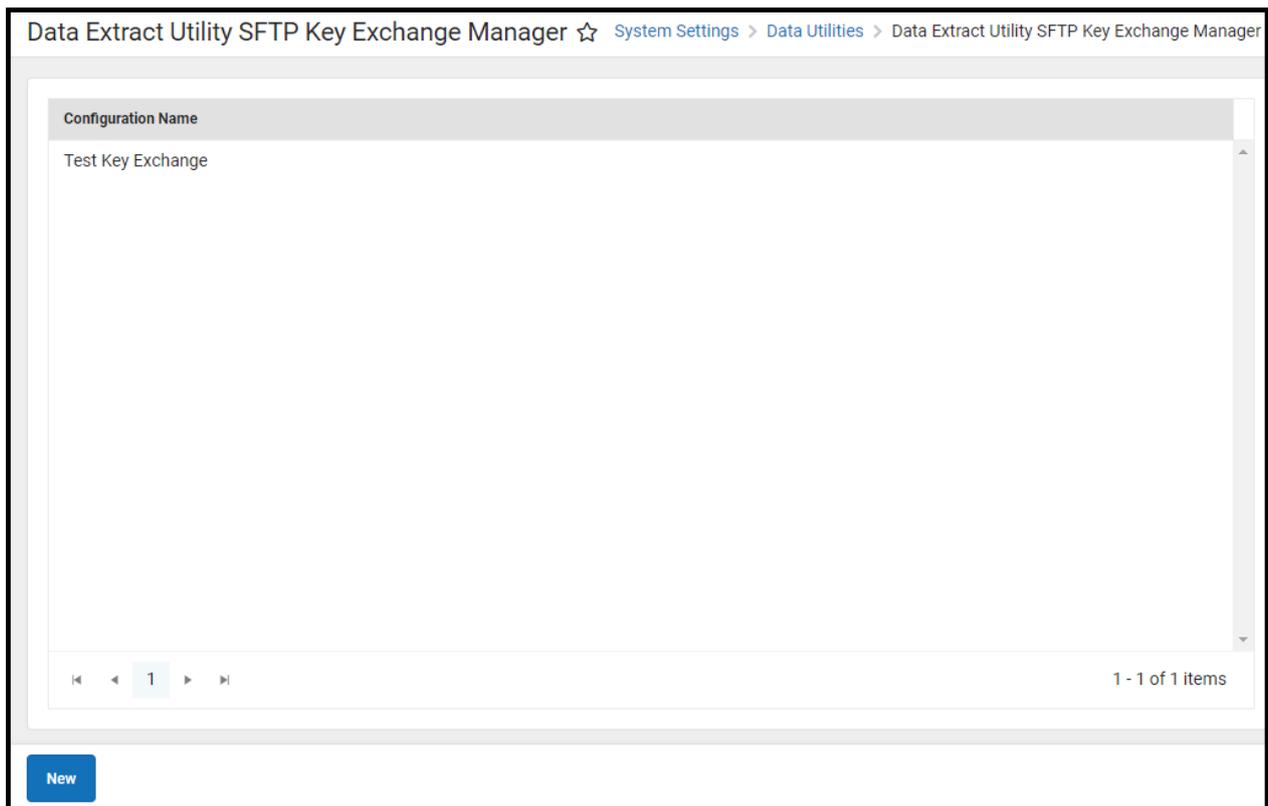
Last Modified on 10/22/2022 10:09 am CDT

PATH: *System Administration > Data Utilities > Data Extract Utility SFTP Key Exchange Manager*

Search Term: *Data Extract Utility SFTP Key Exchange Manager*

The Data Extract Utility SFTP Key Exchange Manager allows SFTP configurations within the Data Extract Utility to utilize a keypair between Infinite Campus and a third-party server(s) to bolster security for the data transferring process. Users can either generate an Infinite Campus key to be shared with a third-party system or download the third party's key into Infinite Campus.

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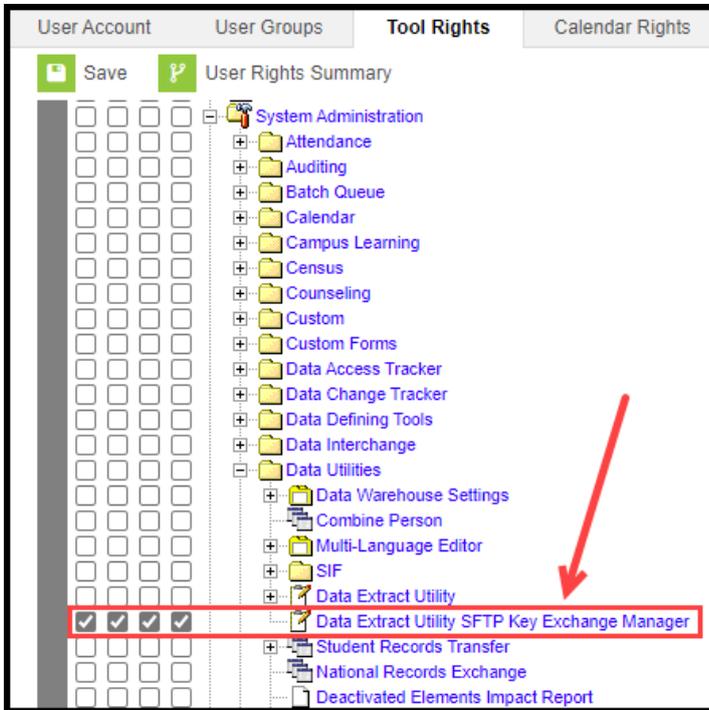


Prerequisites

In order to use established SFTP keys, an extract within the [Data Extract Utility](#) must be configured to use a Delivery Mode of SFTP.

Tool Rights

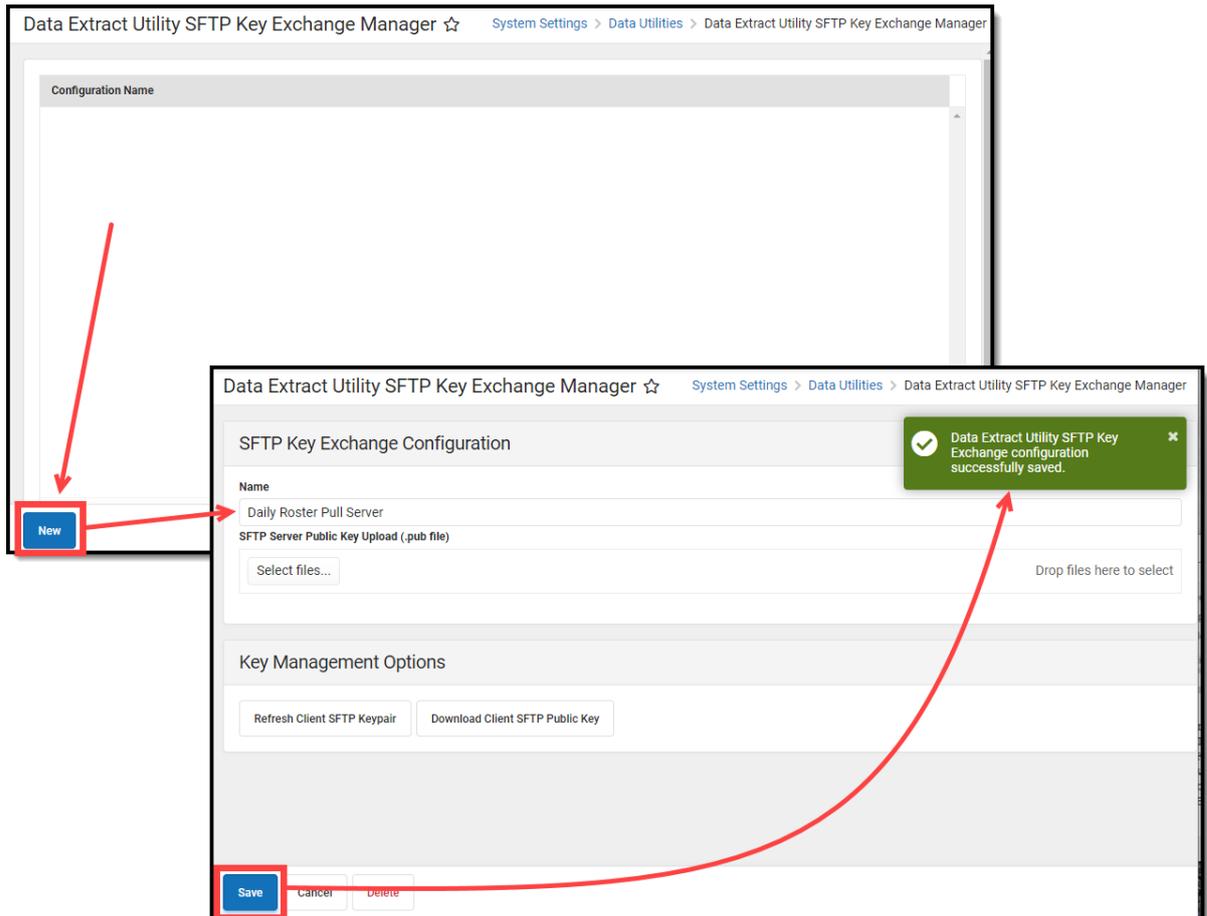
Users should have full tool rights (RWAD) to the Data Extract Utility SFTP Key Exchange Manager in order to properly access and use its functionality. Tool rights for this tool should only be granted to system administrators.



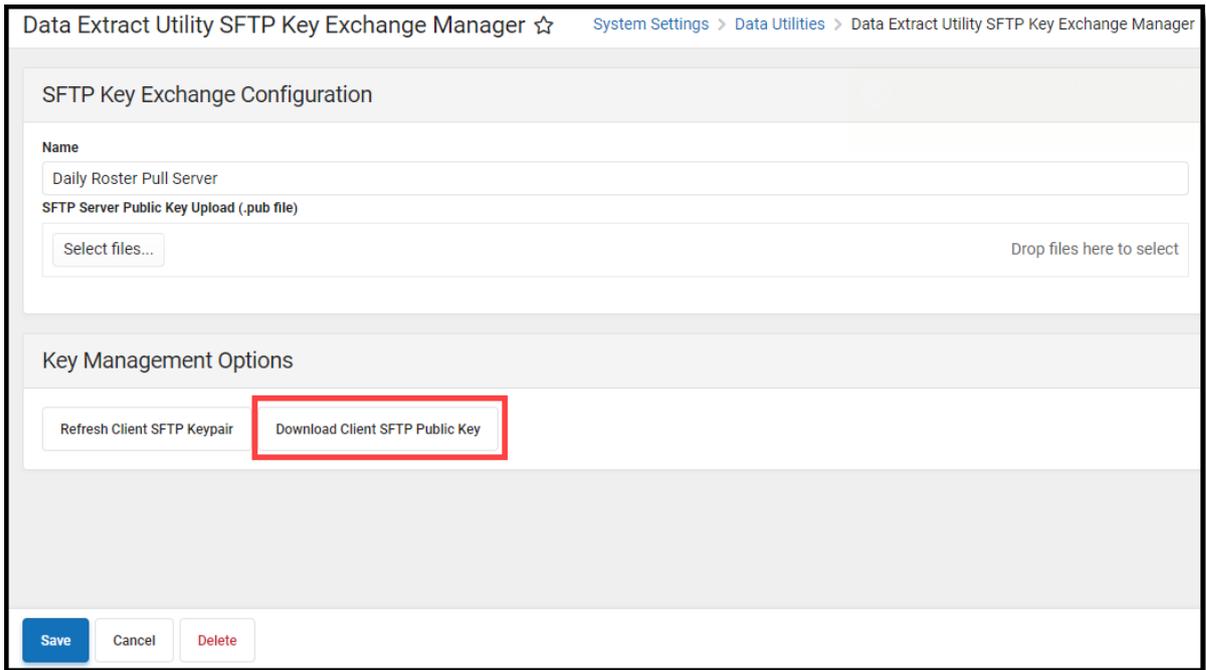
Create and Connect an Infinite Campus-Generated SFTP Key

To create an Infinite Campus-generated key to be shared with your third-party system (server):

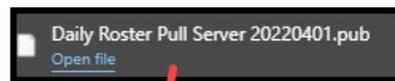
1. Click the **New** button. The SFTP Key Exchange Configuration editor will appear.



2. Enter a **Name** for the key. We recommend picking a name you can easily identify and differentiate from other keys.
3. Click **Save**. If the key was successfully generated, a green notification box will appear, indicating the configuration was saved successfully (see image above).
4. A Key Management Options section is now available. Click the **Download Client SFTP Public Key** button and save the key to your local hard drive or network.



- Once the key (.pub file) is downloaded, open it within a text editor (or compatible program) and copy the entire key (see below for example).



```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQACdQFjRGgtQ1Vh65qICvlWrSSJsrWlM8QW
rSoWK7kNXqCZ8YZ0JU0n/NTB/uQFvzTze8GVrvGvYp6EkzjO4zHcosMMTzisbyH
JXOGkjwybi2L7Z7N2nQdS5QdPOaf4cYvI4acQaiX2B/gFjn6r2prBNaAK6aJvVb
F58XTQZcmJEkwWxtRlS5mStVV23kVTvux3mM3yVmVEQsh8eISQEJprWsvJR6JLH
v/WMiaspkxrbWO+np9IRtC0EKy/pdLvpvoN13i1d+Yln2y1gU2iaI IW2bJeKktp
RPxIO7GkQc5kpOZXrcfar33fKT1reEtJRsfjIjPdI1T6n8QfSfa
```

- Paste this key within your external system/server where you store your other authentication keys and save.
- Once this Infinite Campus-generated key has been successfully added to and saved in your system's/server's key store, you can now configure a new extract using the SFPT protocol with an SSH key within the Data Extract Utility or modify an existing extract to begin using the SFPT protocol with an SSH key.

To utilize this new key for an existing or new Data Extract Utility configuration, select the **SFTP** Delivery Mode, mark the **SFTP Key Exchange** checkbox, and select the key you just set up in the **SFTP Key Exchange Configuration** dropdown list (see the image below for an example). Once these are selected, you should select the **Test Connection** button to test and make sure the connection between Infinite Campus and your system is authenticating correctly. If tested and working correctly, click the **Save** icon.

Data Extract Utility ☆

Save Delete New

Extract Instance Name	Delivery Mode	Server	Frequency Scheduled	Extract Mode	Stopped	Last Run
mg key exchange test	sftp	10.200.20.25		sql	false	Export ran successfully
Nate's test	sftp	10.200.20.25		sql	false	

Detail Information

*Extract Instance Name: Nate's test

*File Name: nate's test

File Extension: CSV (.csv)

Column Delimiter: None

Character Set: US-ASCII

*Username: devadmin-01

Domain:

*Server: 10.200.20.25

SQL: Prism AdHoc

*SQL/Prism: SELECT TOP 50 * FROM UserAccount

Delivery Mode: SMB SFTP FTPS PULL

SFTP Key Exchange:

SFTP Key Exchange Configuration: Daily Roster Pull Server

Append Date to Filename: No Date yyyyymmdd yyyyymmddhhmmssSS

Include header row?:

Include double quotes?:

Password:

Port :(Default SFTP=22):

Path: testSFTP

Error Notification:

User Group to Notify:

Use Data Warehouse Connection:

Buttons: Test Extract, Test Connection, Run Extract

Data Extract Schedule

Stop Automated Extract:

Frequency: None

Start Date: 04/01/2022

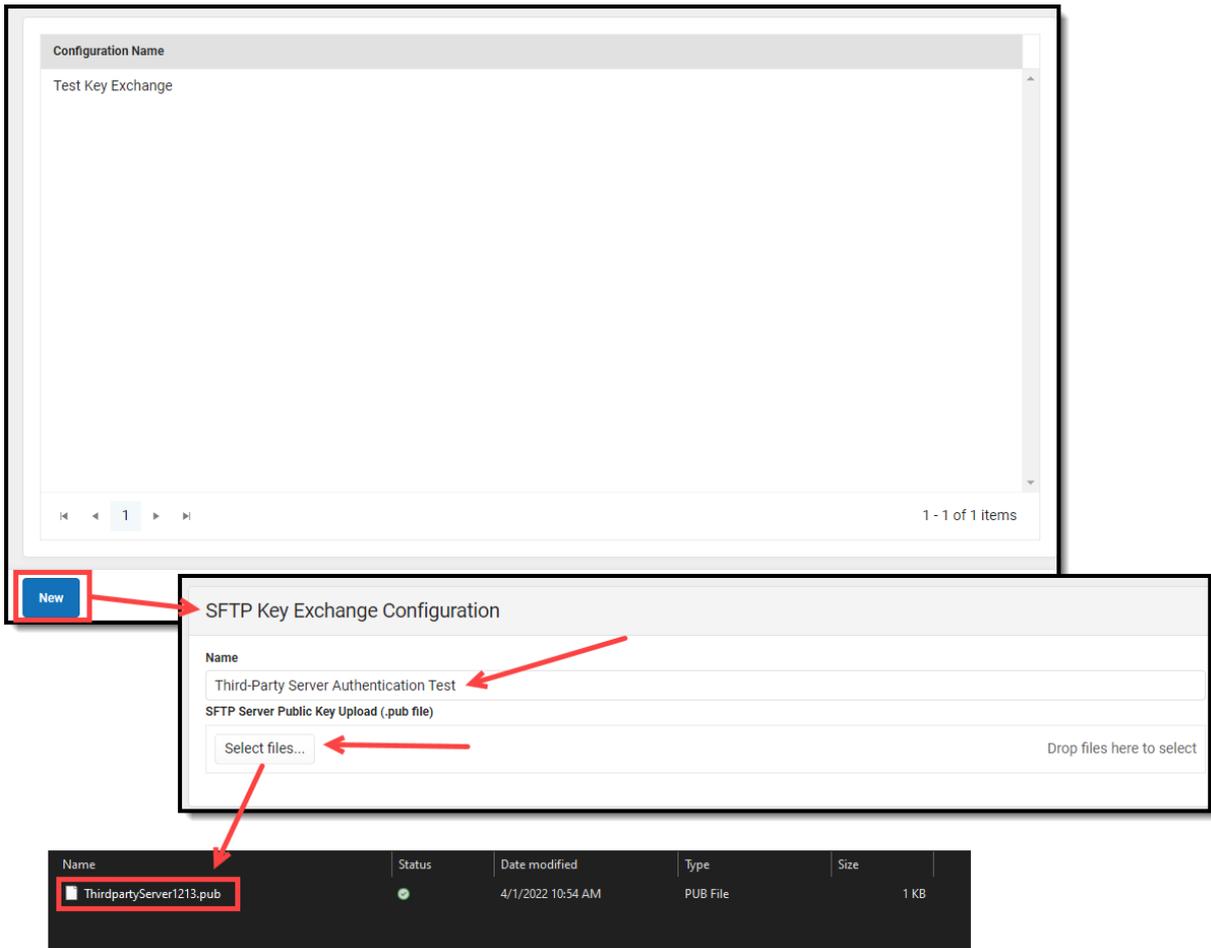
Start Time: 00:00

Import a Third-Party SFTP Key

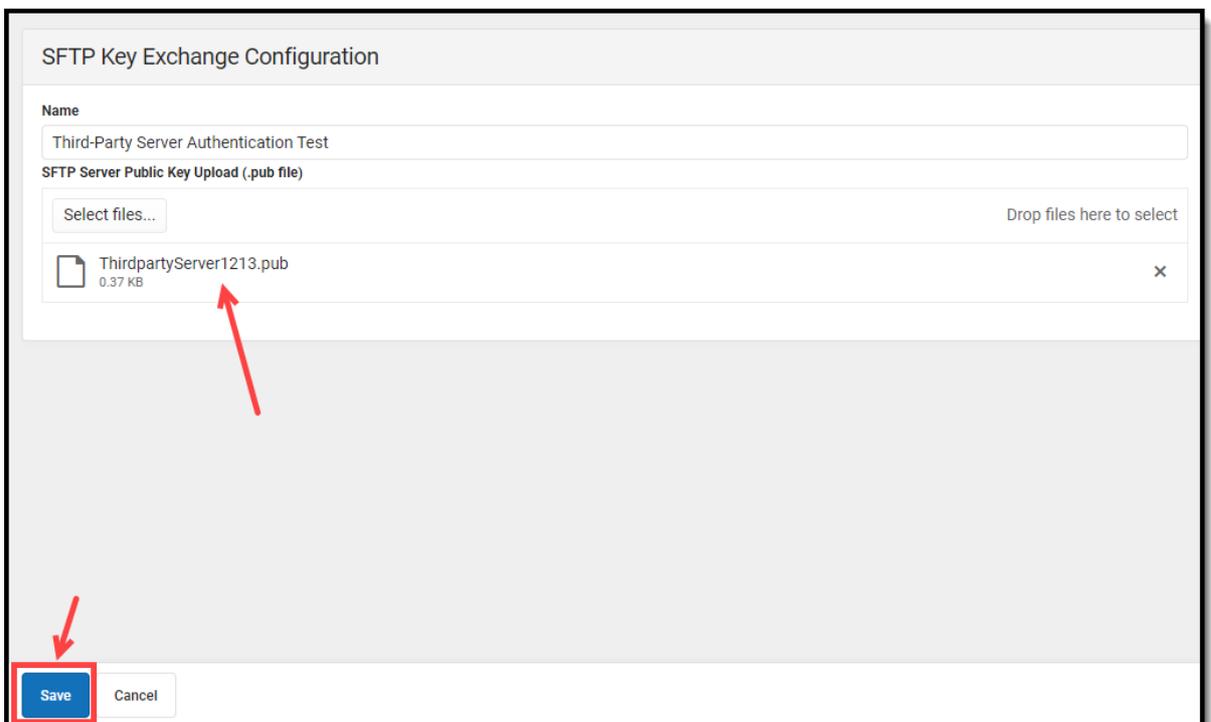
If you have a copy of your server/system's SSH key (.pub file), you can use this to create a keypair between it and Infinite Campus for use in setting up an extract within the Data Extract Utility.

To import a third-party SFTP Key:

1. Click the New button. The SFTP Key Exchange Configuration editor will appear.
2. Enter a **Name** for the key. We recommend picking a name you can easily identify and differentiate from other keys.
3. Click the **Select Files** button and select the key file (.pub file) from your local hard drive or network. **NOTE: The key MUST be a .pub file**



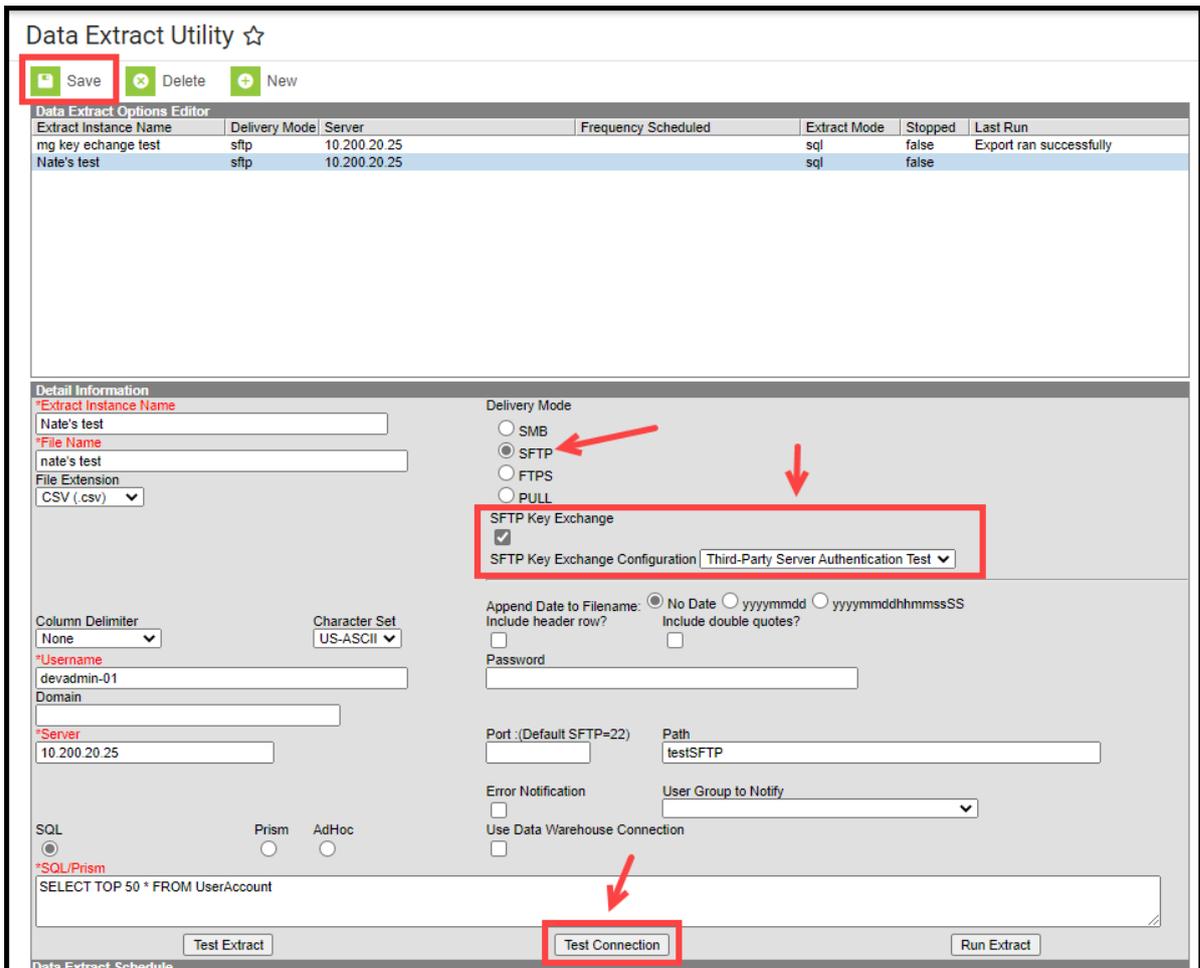
- Once the key has been selected, it will upload into Infinite Campus and appear below the Select File button (for example, see image below).



- Click the **Save** button. The key is now successfully imported and saved into Infinite Campus

and can now be utilized when configuring Data Extract Utility extracts using the SFPT protocol.

To utilize this new key for an existing or new Data Extract Utility configuration, select the **SFTP** Delivery Mode, mark the **SFTP Key Exchange** checkbox, and select the key you just set up in the **SFTP Key Exchange Configuration** dropdown list (see the image below for an example). Once these are selected, you should select the **Test Connection** button to test and make sure the connection between Infinite Campus and your system is authenticating correctly. If tested and working correctly, click the **Save** icon.



Manage SFTP Keys

The Key Management Options section allows you to do the following:

<p>Refresh the Client SFTP Keypair</p>	<p>This is useful if you have just deleted an old key and uploaded a new key and need to refresh and restore the connection between Infinite Campus and your system.</p>
<p>Download Client SFTP Public Key</p>	<p>This is useful if you need access to an Infinite Campus SSH key.</p>

Delete Server SFTP Public Key

This is useful for deleting an expired or incorrect key. Often this option will work in conjunction with the Refresh Client SFTP Keypair option where a user would first delete an old key, upload a new key and then refresh and repair the connection between Infinite Campus and your system.

SFTP Key Exchange Configuration

Name

Third-Party Server Authentication Test

SFTP Server Public Key Upload (.pub file)

A public server key file was last uploaded on 2022-04-04T15:24:40.065Z

Select files... Drop files here to select

 ThirdpartyServer1213.pub x

0.37 KB

Key Management Options

Refresh Client SFTP Keypair

Download Client SFTP Public Key

Delete Server SFTP Public Key

Save

Cancel

Delete