Define a Connection to an External Storage System

Last Modified on 05/29/2024 4:03 am EDT

Starting with V10.0, Cora SeQuence has been renamed to Cora Orchestration.

V9.7.1 and later

Overview

For most File Activities, you need to define a connection to an external storage system. Depending on the activity, you will save a file, retrieve a file, delete a file, or create a folder in the external storage system.

NOTES

- Connection names and descriptions should be meaningful. You might want to use a connection in other activities, so it's important for you to be able to identify and understand what a connection is from the name and description.

- The path separator requirements for each storage system must also be used for base paths, source paths, file paths, and so on, in activities that require a connection to an external storage system. For example, if the file storage system you select supports forward slash (/) path separators, then all subsequent paths must also use forward slashes:

https://{externalstoragesystem/{basepath}/{relativepath}/{file}

File activities that use an external storage system

- Put File Activity
- Get File Activity
- Get File Info Activity (V10.6 onwards)
- Create Folder Activity
- Delete File Activity

Supported external storage systems

- Amazon Simple Storage Service (AWS S3)
- Azure Blob Storage
- Azure File Storage
- FTP
- Network Storage
- SFTP

			×
noose Connection to Target System (?)			
Choose from the list, or Add New 10.10.20.123 (Connection Type=NetworkStorage;Host=10.10.20.123;(CredentialName=ADM Ake Default (Connection Type=AzureBiobStorage;Host=atias;CredentialName=JBasePath=LD AzureBiob (Connection Type=AzureBiobStorage;BioEbndpoint=https://filetransferdev2.biot AzureBicks (Connection Type=NetworkStorage;Host=atias;CredentialName=Bakkd davidNetwork (Connection Type=NetworkStorage;Host=davidv-pc;CredentialName=David e4 (Connection Type=NetworkStorage;Host=davidv-pc;CredentialName=David e4 (Connection Type=FTP;Host=47bott=57ketworkStorage;Host=davidv-pc;CredentialName=Bakkf FTPAIwoSSL (Connection Type=FTP;Host=stgiabaqapnmsoftiabs.com;Port=990;BasePath=FT FTPNASSL (Connection Type=FTP;Host=stgiabaqapnmsoftiabs.com;Port=292;BasePath=FT FTPNASSL (Connection Type=FTP;Host=stgiabaqapnmsoftiabs.com;Port=22;BasePath=FT FTPNASSL (Connection Type=FTP;Host=stgiabaqapnmsoftiabs.com;Port=22;BasePath=FT FTNASSL (Connection Type=FTP;Host=stgiabaqapnmsoftiabs.com;Port=22;BasePath=FT FTNASSL (Connection Type=FTP;Host=stgiabaqapnmsoftiabs.com;Port=22;BasePath=FT FTNASSL (Connection Type=FTP;Host=stgiabaqapnmsoftiabs.com;Port=22;BasePath=FT FTNASSL (Connection Type=FTP;Host=stgiabaqapnmsoftabs.com;Port=22;BasePath=FT FTNASSL (Connection Type=NetworkStorage;Host=10.10.3.11;CredentialName=Elkan parkaj.com (Connection Type=AzweBlosStorage;BlobEhdpoint=hanka],com Storage (Connection Type=NetworkStorage;Host=10.10.20.96;CredentialName=Admin;Base	Add V Edit X Delete Refresh		
Back	Next	Cancel	

Amazon Simple Storage Service (Amazon S3)

Specifications and limitations

Parameter	Description
Pattern	S3DirectoryInfo.GetFiles (string, SearchOption)
Path and File Name Restrictions	https://docs.aws.amazon.com/AmazonS3/latest/userguide/bucketnamingrules.html
Path Separator	/
Supports Folder Hierarchy	No

Parameter	Description
Connection Name	The name you select for the connection.
Bucket Name	The S3 bucket name, where files are stored.
Base Path	The sub folder name.
Region Code	The region to which bucket is assigned.
Credentials	 Account Key: The username for authentication. Secret Key: The account password of authentication.

ABC Ltd AWS S3	
Bucket Name *	
bucket1	
Base Path	
SubFolder1\	
Region Code *	
aws-us-gov	
Credentials * Account Key * /Tadik309skDA098w096WWERG	
Secret Key *	

Azure Blob Storage

Specifications and limitations

Parameter	Description
Pattern	CloudBlobContainer.ListBlobs Method: a string containing the blob name prefix.
Path and File Name Restrictions	Naming and Referencing Shares, Directories, Files, and Metadata
Path Separator	/
Supports Folder Hierarchy	No, each container can only contain blobs.

Parameter	Description
Connection Name	The name you select for the connection.
End Point	URL to the Azure Blob storage.
Credentials	The protocol, account name, and account key for your Azure Blob Storage account. If you select this, SAS is not relevant.

Parameter	Description
Shared Access Signature (SAS)	Signature that grants limited access to objects in the storage account (system) to other clients, without exposing your account key. If you select this, Credentials is not relevant.
Azure Blob Storage	□ ×
Connection Name * ABC Ltd. Azure Blob Storage	
End Point * http://abcitd.blob.core.windows.net/container/blob	
 Credentials HTTP Protocol 	
Https Account Name *	•
ABC_Ltd	
Account Key * /Tadik309sikDA098xxle++w098WWERG	
Shared Access Signature (SAS) *	
	Test Connection OK Cancel
NOTE	
	onnection settings correctly, test the connection after you enter the
required parameters.	innection settings correctly, test the connection after you enter the
required parameters.	
Azure File Storage	
Specifications and limitations	
Parameter	Description
Pattern	CloudFileDirectory.ListFilesAndDirectories Method: a string containing
	the file or directory name prefix.
Path and File Name Restrictions	Naming and Referencing Shares, Directories, Files, and Metadata.
Path Separator	/
Supports Folder Hierarchy	Yes

Parameter	Description
Connection Name	The name you select for the connection.
End Point	URL to the Azure Blob storage.
Base Path	Sub-folder in the end point. Should be a shared folder on the server.
Credentials	The protocol, account name, and account key for your Azure File Storage account. If you select this, SAS is not relevant.
Shared Access Signature (SAS)	Signature that grants limited access to objects in the storage account (system) to other clients, without exposing your account key. If you select this, Credentials is not relevant.

		×
Az	ure File Storage	
	Connection Name *	
	ABC Ldt. Azure File Storage	
	End Point *	
	https://abcilt.filestorage.core.windows.net/container/filestorage	
	Base Path	
	customerservicerequests	
	Credentials	
	HTTP Protocol	
	Https	
	Account Name *	
	ABC_Ltd	
	Account Key *	
	/Tadik309sikDAO98xxie+sik3CAknx45WEE	
	Shared Access Signature (SAS) *	
	Test Connection OK Cancel	

FTP

Specifications and limitations

Parameter	Description
Pattern	 Wildcards: used to specify multiple files or directories whose names match a pattern. FileSet: used to combine multiple matching criteria (such as all ".txt" and ".csv" files) and also specify <i>exclude</i> criteria.
Path and File Name Restrictions	FTP does not specify a standard pathname convention. You need to follow the file-naming conventions of the file systems involved in the file transfer.
Path Separator	/

Parameter	Description
Supports Folder Hierarchy	Yes

Parameter	Description	
Connection Name	The name you select for the connection.	
Host	URL to the FTP server.	
Port	Port for the FTP server.	
Base Path	Sub-folder in the FTP server. Should be a shared folder on the server. Make sure the user defined in the credentials has permission on the shared folder.	
SSL Mode	 Implicit: Assumes that the server is expecting everything encrypted using SSL. This means that when the client first connects to the server it will immediately negotiate the SSL connection on the command connection. Normally, implicit connections are also on a different port, such as port 990. Explicit: A normal FTP connection is established, usually on the standard port 21. However, after connecting, the client will send a command to switch to SSL mode. This command is "AUTH SSL". When this command is sent, the server will respond normally, and then establish an SSL connection. 	
Credentials	Name, user name, and password for the FTP server. See screenshot below for details.	

ost * Port *	*				
SC Ldt. FTP Oost * Port * Citd.ftpstorage.com 21 ase Path stomerservicerequestsclosed SL Mode		0			
SC Ldt. FTP Oost * Port * Citd.ftpstorage.com 21 ase Path stomerservicerequestsclosed SL Mode	•				
SC Ldt. FTP Oost * Port * Citd.ftpstorage.com 21 ase Path stomerservicerequestsclosed SL Mode	*	Connection Name *			
citd.ftpstorage.com 21 ase Path stomerservicerequestsclosed SL Mode	*	ABC Ldt. FTP			
citd.ftpstorage.com 21 ase Path stomerservicerequestsclosed SL Mode		Host *	Port *		
stomerservicerequestsclosed		abcitd.ftpstorage.com			
stomerservicerequestsclosed		Dage Dath			
SL Mode					
			•		
			•		
		Credentials *			
dmin		Admin			
					2

Network Storage

Specifications and limitations

Parameter	Description
Pattern	Directory.GetFiles Method
Path and File Name Restrictions	 Invalid Path Chars Invalid File Name Chars
Path Separator	λ
Supports Folder Hierarchy	Yes

Parameter	Description
Connection Name	The name you select for the connection.
Host	Name or URL of the network.
Base Path	Sub-folder in the network storage. Should be a shared folder on the server. Make sure the user defined in the credentials has permission on the shared folder. You cannot store files in the base path (folder). You need to a folder below this one to store files.
Credential Type	ApplicationImpersonatedStored

Parameter	Description
Credentials	Name, user name, and password for the FTP server. See screenshot below for details.
Network Storage	
5	
Connection Name *	
ABC Ldt. Network Storage	
Host *	
customerservicerequestsopen	
Base Path	
ABCLtdSharedNetworkStorage	
Credential Type	
Impersonated	T
Credentials *	
	Test Connection OK Cancel
ТР	
ecifications and limitat	ions
ecifications and limitat Parameter	tions Description

Restrictions	the file-naming conventions of the file systems involved in the file transfer.
Path Separator	/
Supports Folder Hierarchy	Yes

Parameter	Description
Connection Name	The name you select for the connection.
Host	URL to the SFTP server.

Parameter	Description
Port	Port for the SFTP server.
Base Path	Sub-folder in the SFTP server. Should be a shared folder on the server. Make sure the user defined in the credentials has permission on the shared folder.
SSL Mode	 Implicit: Assumes that the server is expecting everything encrypted using SSL. This means that when the client first connects to the server it will immediately negotiate the SSL connection on the command connection. Normally, implicit connections are also on a different port, such as port 990. Explicit: A normal FTP connection is established, usually on the standard port 21. However, after connecting, the client will send a command to switch to SSL mode. This command is "AUTH SSL". When this command is sent, the server will respond normally, and then establish an SSL connection.
Credentials	Name, user name, and password for the FTP server. See screenshot below for details.
Authentication Mode	 NTLM: alksjdf Kerberos v5: a;lkjsdf Certificate:
Certificate File Location	Path for the certificate.
Certificate Store Location	Path for the certificate store.
Store Name	Name of the certificate store.
Find by	Parameter to search by.
Value to Find	Value you want to find.

Connection Name * ABC Ldt. SFTP Host * Port * abcitd.sftpstorage.com 22 Base Path Customerservicerequestsclosed Credentials Admin Authentication Mode KerberosV5 Certificate File Location * Current User Store Name * Find by Value to Find * Subject Name				
ABC Lut. SFTP Host * Port * abcitd.sftpstorage.com 22 Base Path customerservicerequestsclosed Credentials Admin Authentication Mode KerberosV5 Certificate File Location * Current User Store Name * Find by Value to Find * Subject Name	TP			
Host * Port * abcitd.sftpstorage.com 22 Base Path customersenvicerequestsclosed Credentials Admin Authentication Mode KerberosV5 Certificate File Location * Current User Store Name * Find by Value to Find *	Connection Name *			
abcitd.stpstorage.com 22 Base Path Customerservicerequestsclosed Credentials Admin Authentication Mode KerberosV5 Certificate File Location * Current User Store Name * Find by Value to Find * Subject Name	ABC Ldt. SFTP			
Base Path Customerservicerequestsclosed Credentials Admin Authentication Mode KerberosV5 © Certificate File Location * © Certificate Store Location * Current User Store Name * Find by Value to Find *	Host *	Port *		
customerservicerequestsclosed Credentials Admin Authentication Mode KerberosV5 Certificate File Location * Current User Store Name * Find by Value to Find * Subject Name	abcitd.sftpstorage.com	22		
Credentials Admin Authentication Mode VerberosV5 Certificate File Location * Current User Store Name * Find by Value to Find * Subject Name	Base Path			
Admin Authentication Mode KerberosV5 Certificate File Location * Current User Store Name * Find by Value to Find *	customerservicerequestsclosed			
Authentication Mode KerberosV5 Certificate File Location * Certificate Store Location * Current User Store Name * Find by Value to Find * Subject Name Value to Find * Subject Name Value to Find * Subject Name Value to Find * Value to Find * Subject Name Value to Find * Value to Find * Subject Name Value to Find * Val	Credentials			
KerberosV5 V © Certificate File Location * Current User Store Name * Find by Value to Find *	Admin			
Certificate File Location * Certificate Store Location * Current User Store Name * Find by Value to Find * Subject Name	Authentication Mode			
Certificate Store Location * Current User Store Name * Subject Name	KerberosV5		T	
Current User Store Name * Find by Value to Find * Subject Name	Output Certificate File Location *			
Current User Store Name * Find by Value to Find * Subject Name				
Store Name * Find by Value to Find * Subject Name	Certificate Store Location *			
Subject Name	Current User		•	
Subject Name	Store Name *	Find by	Value to Find *	
			T	
Test Connection Office Connect				
Test Connection OK Cancel		Test Con	nection OK Car	icel

Credentials

Some external storage systems require credentials. The procedure to add a new credential is the same for every external storage system.

un As Name		
Name		
	Add	
	Edit	
×	Remove	
		_
ОК Са	ancel	

Name *			
User Name	*		
Password			
Confirm Pa	ssword		

V8.7 and earlier

For most File Activities, you need to define a connection to an external storage system. Depending on the activity, you will save a file, retrieve a file, delete a file, or create a folder in the external storage system.

NOTES:

- Connection names and descriptions should be meaningful. You might want to use a connection in other activities, so it's important for you to be able to identify and understand what a connection is from the name and description.

- The path separator requirements for each storage system must also be used for base paths, source paths, file paths, and so on, in activities that require a connection to an external storage system. For example, if the file storage system you select supports forward slash (/) path separators, then all subsequent paths must also use forward slashes:

https://{externalstoragesystem/{basepath}/{relativepath}/{file}

File activities that use an external storage system

- Put File Activity
- Get File Activity
- Create Folder Activity
- Delete File Activity

Supported external storage systems

- Azure Blob Storage
- Azure File Storage
- FTP
- Network Storage
- SFTP

	×
Choose Connection to Target System (?	
Choose from the list, or Add New 10.10.20.123 (Connection Type=NetworkStorage;Host=10.10.20.123;CredentialName=ADM Alex Default (Connection Type=AzureBioDStorage;BioEndpoint=https://filetransferdev2.DioC AzureBiob (Connection Type=AzureBioDStorage;BioEndpoint=https://filetransferdev2.DioC BuikUploadFiles (Connection Type=NetworkStorage;Host=SDEMO;CredentialName=BuikUg devidNetwork (Connection Type=NetworkStorage;Host=dvidv-pc;CredentialName=Dawid e4 (Connection Type=FTP;Host=s]abaa,pmmsoftbabs.com;Port=990;BasePath=FTF FTPAIwoSSL (Connection Type=FTP;Host=stGLABQA;Port=21;BasePath=FTPNoSSL;CredentialName=Elkan) NsStoreLabQA (Connection Type=NetworkStorage;Host=10.10.3.11;CredentialName=Elkan) NsStoreLabQA (Connection Type=NetworkStorage;Host=10.10.3.11;CredentialName=Elkan) pankage (Connection Type=NetworkStorage;Host=10.10.3.19;CredentialName=Elkan) storage (Connection Type=NetworkStorage;Host=10.10.3.19;CredentialName=Elkan) storage (Connection Type=NetworkStorage;Host=10.10.3.9;CredentialName=Elkan) storage (Connection Type=NetworkStorage;Host=10.10.2.9;CredentialName=Admin;Base	
Back Next Cancel	

Azure Blob Storage

Specifications and limitations

Parameter	Description
Pattern	CloudBlobContainer.ListBlobs Method: a string containing the blob name prefix.
Path and File Name Restrictions	Naming and Referencing Shares, Directories, Files, and Metadata
Path Separator	/
Supports Folder Hierarchy	No, each container can only contain blobs.

Parameter	Description
Connection Name	The name you select for the connection.
End Point	URL to the Azure Blob storage.
Credentials	The protocol, account name, and account key for your Azure Blob Storage account. If you select this, SAS is not relevant.
Shared Access Signature (SAS)	Signature that grants limited access to objects in the storage account (system) to other clients, without exposing your account key. If you select this, Credentials is not relevant.

				×
zure Blob Storage				
Connection Name *				
ABC Ltd. Azure Blob Storage				
End Point *				
http://abcltd.blob.core.windows.net/container/blob				
Credentials				
HTTP Protocol				
Https	•	•		
Account Name *				
ABC_Ltd]		
Account Key *				
/Tadlk309slkDA098xxle++w098WWERG				
Shared Access Signature (SAS) *				
	Test Connection	ОК	Cancel	

Note:

To make sure that you defined connection settings correctly, test the connection after you enter the

required parameters.

Azure File Storage

Specifications and limitations

Parameter	Description
Pattern	Cloud Eile Directory, List Files And Directories Method: a string containing the file of directory name prefix.
Path and File Name Restrictions	Naming and Referencing Shares, Directories, Files, and Metadata
Path Separator	/
Supports Folder Hierarchy	Yes

Parameter	Description
Connection Name	The name you select for the connection.
End Point	URL to the Azure Blob storage.
Base Path	Sub-folder in the end point. Should be a shared folder on the server.
Credentials	The protocol, account name, and account key for your Azure File Storage account. If you select this, SAS is not relevant.
Shared Access Signature (SAS)	Signature that grants limited access to objects in the storage account (system) to other clients, without exposing your account key. If you select this, Credentials is not relevant.

		×
Az	ure File Storage	
	Connection Name *	
[ABC Ldt. Azure File Storage	
1	End Point *	
	https://abcilt.filestorage.core.windows.net/container/filestorage	
	Base Path	
	customerservicerequests	
(Credentials	
	HTTP Protocol	
	Https	
	Account Name *	
	ABC_Ltd	
	Account Key *	
	/Tadlk309slkDAO98xxle+slk3CAknx45WEE	
(Shared Access Signature (SAS) *	
	Test Connection OK Cancel	

FTP

Specifications and limitations

Parameter	Description
Pattern	 Wildcards: used to specify multiple files or directories whose names match a pattern. FileSet: used to combine multiple matching criteria (such as all ".txt" and ".csv" files) and also specify <i>exclude</i> criteria.
Path and File Name Restrictions	FTP does not specify a standard pathname convention. You need to follow the file-naming conventions of the file systems involved in the file transfer.
Path Separator	/
Supports Folder Hierarchy	Yes

Parameter	Description
Connection Name	The name you select for the connection.
Host	URL to the FTP server.
Port	Port for the FTP server.

Parameter	Description
Base Path	Sub-folder in the FTP server. Should be a shared folder on the server. Make sure the user defined in the credentials has permission on the shared folder.
SSL Mode	 Implicit: Assumes that the server is expecting everything encrypted using SSL. This means that when the client first connects to the server it will immediately negotiate the SSL connection on the command connection. Normally, implicit connections are also on a different port, such as port 990. Explicit: A normal FTP connection is established, usually on the standard port 21. However, after connecting, the client will send a command to switch to SSL mode. This command is "AUTH SSL". When this command is sent, the server will respond normally, and then establish an SSL connection.
Credentials	Name, user name, and password for the FTP server. See screenshot below for details.

Ρ			
Connection Name *			
ABC Ldt. FTP			
Host *	Port	*	
abcitd.ftpstorage.com	21		
Base Path			
customerservicerequestsclosed			
SSL Mode			
Explicit	•		
Condentiale *			
Credentials *			
Admin			

Network Storage

Specifications and limitations

Parameter	Description
Pattern	Directory.GetFiles Method

Parameter	Description
Path and File Name Restrictions	 Invalid Path Chars Invalid File Name Chars
Path Separator	λ
Supports Folder Hierarchy	Yes

Parameter	Description
Connection Name	The name you select for the connection.
Host	Name or URL of the network.
Base Path	Sub-folder in the network storage. Should be a shared folder on the server. Make sure the user defined in the credentials has permission on the shared folder. You cannot store files in the base path (folder). You need to a folder below this one to store files.
Credential Type	 Application Impersonated Stored
Credentials	Name, user name, and password for the FTP server. See screenshot below for details.

	×
Network Storage	
Connection Name *	
ABC Ldt. Network Storage	
Host *	
customerservicerequestsopen	
Base Path	
ABCLtdSharedNetworkStorage	
Credential Type	
10 percentation	
Credentials *	
Test Connection OK Cancel	

Specifications and limitations

Parameter	Description
Pattern	 Wildcards: used to specify multiple files or directories whose names match a pattern. FileSet: used to combine multiple matching criteria (such as all ".txt" and ".csv" files) and also specify <i>exclude</i> criteria.
Path and File Name Restrictions	FTP does not specify a standard pathname convention. You need to follow the file-naming conventions of the file systems involved in the file transfer.
Path Separator	/
Supports Folder Hierarchy	Yes

Parameter	Description
Connection Name	The name you select for the connection.
Host	URL to the SFTP server.
Port	Port for the SFTP server.
Base Path	Sub-folder in the SFTP server. Should be a shared folder on the server. Make sure the user defined in the credentials has permission on the shared folder.
SSL Mode	 Implicit: Assumes that the server is expecting everything encrypted using SSL. This means that when the client first connects to the server it will immediately negotiate the SSL connection on the command connection. Normally, implicit connections are also on a different port, such as port 990. Explicit: A normal FTP connection is established, usually on the standard port 21. However, after connecting, the client will send a command to switch to SSL mode. This command is "AUTH SSL". When this command is sent, the server will respond normally, and then establish an SSL connection.
Credentials	Name, user name, and password for the FTP server. See screenshot below for details.
Authentication Mode	 NTLM: alksjdf Kerberos v5: a;lkjsdf Certificate:
Certificate File Location	Path for the certificate.

Parameter	Description
Certificate Store Location	Path for the certificate store.
Store Name	Name of the certificate store.
Find by	Parameter to search by.
Value to Find	Value you want to find.

FTP			
Connection Name *			
ABC Ldt. SFTP			
Host *	Port *		
abcitd.sftpstorage.com	22		
Base Path			
customerservicerequestsclosed			
Credentials			
Admin			
Authentication Mode			
KerberosV5		Ŧ	
Ortificate File Location *			
Certificate Store Location *			
Current User		¥	
Store Name *	Find by	Value to Find *	
	Subject Name	v	
	To the Co		Connect
	lest Co	nnection OK	Cancel

Credentials

Some external storage systems require credentials. The procedure to add a new credential is the same for every external storage system.

				×
Ru	n As			
	Name			
			Add	
			Edit	
		×	Remove	
	OK	(Cancel	