

Portal > Knowledgebase > Cloud > Cloud On-Premise: How to backup and restore the database

Cloud On-Premise: How to backup and restore the database Sicaro Burnett - 2023-09-21 - in Cloud

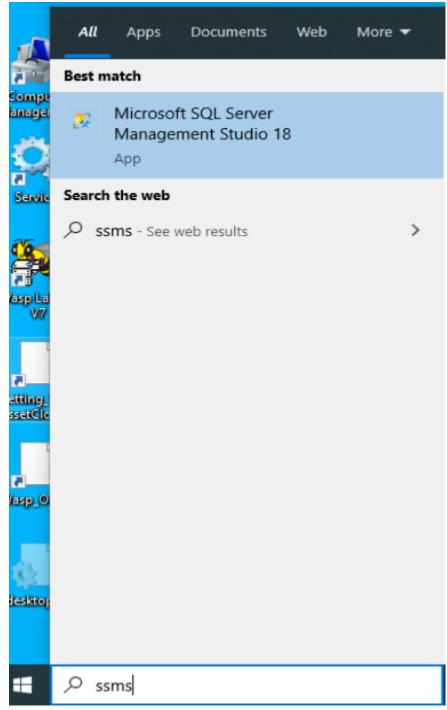
This article describes how to create and restore a Wasp OnPremise (AssetCloud OnPrem or InventoryCloud OnPrem) backup with SQL Server Management Studio.

Follow these steps to move and restore the database to a new server.

Note: Install AssetCloud or InventoryCloud On Prem software on new Server prior to performing the steps below. Ensure you are able to login. If needed, see the article linked below in Related Pages: Cloud On-Premise installation: Summary & Prerequisites.

1. Create a backup of the existing database.

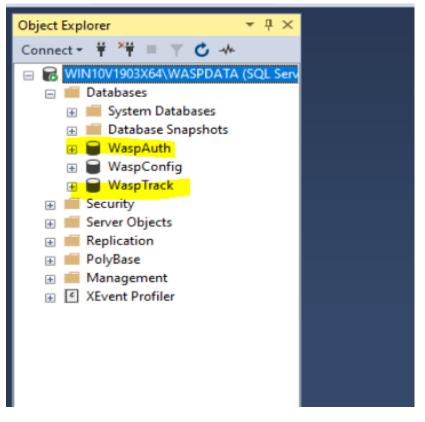
• Log into SQL. Click on the Windows Logo> Microsoft SQL Server > SQL Server Management Studio.



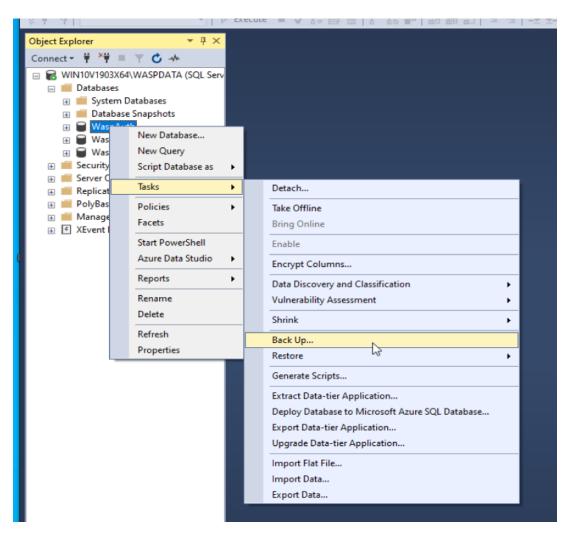
• Login using Windows Authentication

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Password:	Remember password	

• Once in SSMS you will expand Databases. In there you will see two databases that need to be backed up, WaspAuth and WaspTrack.



 Right-click the database you need to backup and select Tasks, then choose Back Up.



• Next to the lower **Destination** section of the Back Up Database - click Remove to remove anything currently shown in the box.

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• Click Add. It will display the folder path for the installation. At the end of the path, add a filename for the backup that will be unique, like ServerMove.bak. Click OK on both windows to create the backup.

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Make note of the Backup location.

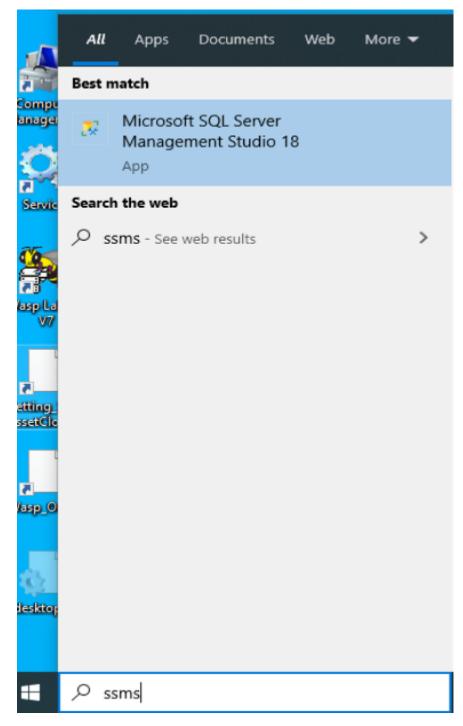
 Transfer the two files to the destination server, via flash drive, network copy, or other method to transfer the backup files to the new server. On the new server, open Windows Explorer and copy the backup files to C:\Program Files\Microsoft SQL Server\MSSQL14.WASPDATA\MSSQL\Backup.

Note: It is important to copy the files to the Backup folder to ensure they receive the correct permissions so SQL can read them.

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2. Restore the backup on the new server

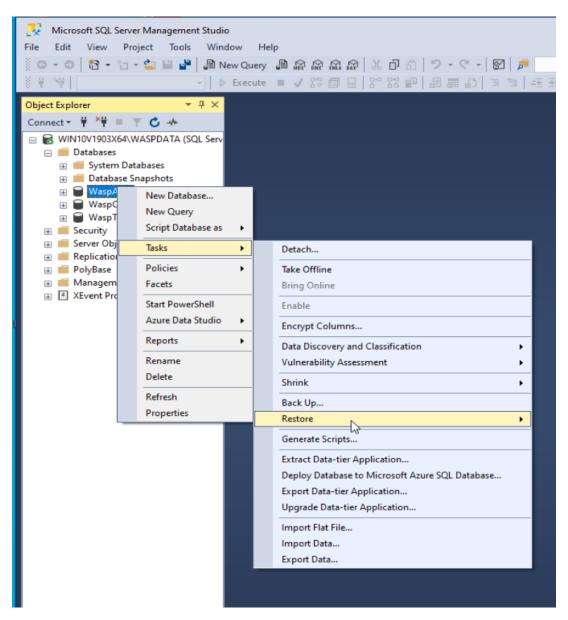
• Log into SQL. Click on Start > Programs > Microsoft SQL Server > SQL Server Management Studio.



• Login using Windows Authentication

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 Expand Databases on the left and right click on WaspAuth > go to Tasks > Restore > Database..



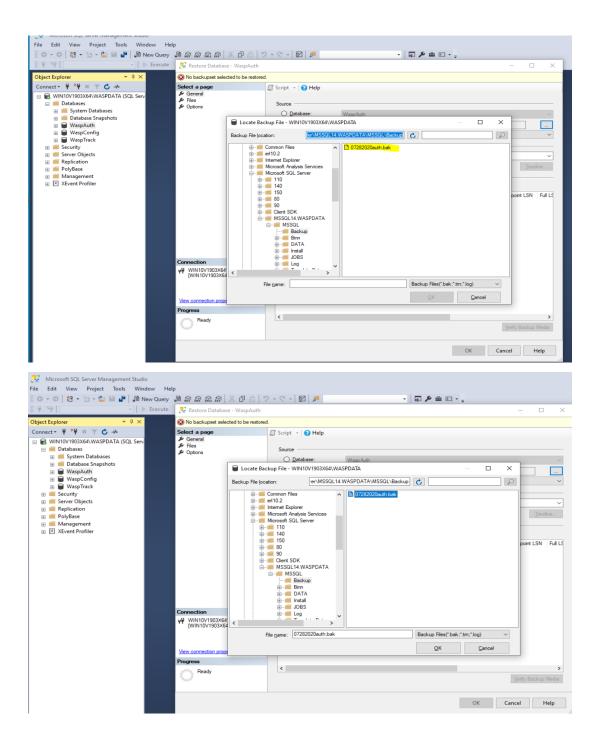
• Select the 'From device' option and click on the browse (...) button

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• Click on the 'Add' button

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• This should open up to the correct backup folder containing your database backup and select the file > click on **OK** > click on **OK**.



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• In the lower '**Select the backup sets to restore**' section of the Restore Database window, check the box next to the database set displayed.

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• Click on 'Options' on the left of the window and check the box that says 'Overwrite the existing database' **Note: If Tail-Log backup is checked, uncheck this box**

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- Finally click on OK at the bottom and the backup should start restoring.
- After the progress bar on the left reaches 100% the restore should be complete.
- If your un into a "Database in Use" error message, check "Close Existing Connections to destination database" and click Ok again.

Repeat the restore steps for the WaspTrack database.

3. Fixing the Writer and Reader SQL Users using the Wasp Config Tool

- After restoring both database backups, open the Wasp Config Tool as Admin and Validate SQL and update the Reader and Writer passwords.
- If you do not have the shortcut on your desktop for the Wasp Config Tool, it should be located here:

C:\Program Files\Wasp Barcode Technologies\Wasp On-Premises Software\License\configure\Wasp.Installer.Configure.exe

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)ata Source	WIN10V1903X6	4\WASPDATA	_	The following values v Write these values:		y tested.			
Jser Name	sa		-	Server = WIN10V1903X User = sa	64\WASPDATA				
assword	•••••			Password =					
/aspTrack D Writer User	atabase Connecti	ion		Reader User	Yes	No	Validate Auth	DB	
User Name	dbo_Writer				bo_Reader				
Password	-			Password	bo_nedder				
assword				rassword				_	
		Update DB Writer Pa	assword			Update DB F	Reader Passwor	d	
eady.								~	

- Click "Validate Config DB", then in the popup select "Yes"
- Then use the following to update the writer and reader user passwords dbo_Writer db0-Wr1ter_P455w0rd dbo_Reader db0_Re4der-P455w0rd
- When you update the passwords, it may give you an error message and ask if you would like to fix it, say "Yes":

QL Server R	RabbitMQ Queue	Queueing S	ervice (Later)	Redis	Secure Toker	n Service (STS)	Business Logic S	ervice (API)	Asset Clo	ud Servic 1
	Database Connec									
Data Source	WIN10V1903X6	64\WASPDA	TA		OK - Saved					
UserName	sa									
Password		•]					
								[Validate C	onfig DB
WaspAuth Da	atabase (STS) DE	3 Connection								
Data Source	WIN10V1903X6	64\WASPDA	ГА		ОК					
User Name	sa				1					
Password										
								[Validate /	uth DB
-Writer User	atabase Connect	lion							1	
User Name	dbo_Writer	-	Track writer of	database	e credentials			×		
Password										
1 0339010		_	Login to Wa password.	spTrack	failed for with	user name db	o_Writer and the g			
		Upd				e user account	for dbo_Writer in	the	Reader Pas	sword
Validating dbo	_Reader									~
					1	/es	No Ca	ncel		
		L		_]	
										\sim

• Keep pressing "Yes" to fix until the results read "updated successfully"

.	Wasp Configuration Tool	l
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SQL Server	RabbitMQ Queue	Queueing Service (Later)	Redis	Secure To	oken Service (S	STS) B	usiness Logic Service ((API) Asset Cl	oud Servic 💶 🕨
WaspConfig	Database Connec	tion							
Data Source	WIN10V1903X	34\WASPDATA		OK - Sa	ved				
UserName	sa			1					
Password				i l					
								Validate	Config DB
WaspAuth D)atabase (STS) DE	3 Connection							
Data Source	WIN10V1903X	34\WASPDATA		ОК					
User Name	sa]					
Password	•••••	•]					
								Validate	Auth DB
Mara Tarala I	Database Connect								
− Writer User	Database Connect	ion			- Reader User				
User Name	dbo Writer					dbo_Re	eader		
Password	-			=	Password				
1 43511014					1 03511010				
		Update DB Writer Pa	assword				Update	DB Reader Pa	ssword
Password for	Writer user: tenan	t_app_db_update_user, wa	s updated	successfu	IV.I T				<u>^</u>
					T				
									\vee
								Save	Exit

×

- Do this for both the reader and the writer. It may be possible that you will see an error message here as many as 4 times. If you get this error more than 5 times, there may be some other issue that requires troubleshooting.
- Once both return "update successful", save and exit the Wasp Config Tool.

4. Updating the Databases

- If you're moving from an older version of the application to a newer version, you can run some commands to update the databases. If the application versions have not changed, this step can be skipped. However, there is also no harm in running this script even if the versions are the same.
- Open CMD as Amin

Best match							
Command Prompt							
Арр	5	Run as administrator					
Apps	\square	Open file location					
Command Prompt for v	뀩	Pin to Start					
Search work and web	뀩	Pin to taskbar					

 Then copy/paste the following lines one at a time: cd C:\ProgramData\Wasp Barcode Technologies\MobileAssetWeb\Database\Tools\ Update.op.bat

- This will run the code to update the databases.
- Once complete, you can close the command prompt.

5. Stop and then restart all the services (Bounce)

• Stop and then restart all the services in a specific order based on the knowledge base article below.

https://support.waspbarcode.com/kb/articles/1590

Once the above has been completed, you should be able to successfully navigate to your OP URL and log in.

Related Pages

- <u>Cloud On-Premise: Moving the database to a different SQL server (V2)</u>
- Cloud On-Premise: Moving the database to a different SQL server
- <u>Cloud On-Premise installation: Summary & Prerequisites</u>