**Backup database on secondary replicas:**

[Backup Types Supported on Secondary Replicas](javascript:void(0))

* BACKUP DATABASE supports **only copy-only full backups of databases**, files, or filegroups when it is executed on secondary replicas. Note that copy-only backups do not impact the log chain or clear the differential bitmap.
* Differential backups are not supported on secondary replicas.
* BACKUP LOG supports only regular log backups (**the COPY\_ONLY option is not supported for log backups on secondary replicas**).

A consistent log chain is ensured across log backups taken on any of the replicas (primary or secondary), irrespective of their availability mode (synchronous-commit or asynchronous-commit).

* To back up a secondary database, a secondary replica must be able to communicate with the primary replica and must **be SYNCHRONIZED or SYNCHRONIZING.**

<https://msdn.microsoft.com/en-us/library/hh245119.aspx>

--truncate table numbers

--select \* from numbers

--verify backup and recovery mode to full then set AG

create database rep7

go

use rep7

go

create table numbers

(num int)

insert into numbers

values (1000)

go 1000

--on secondary replica. Run this command or create a job

BACKUP DATABASE [rep7]

TO DISK = N'C:\backup 777\fullbackup777.bak'

WITH COPY\_ONLY, --<< backups on secondary replicas occurs only if you set this option (must be copy\_only)

NOFORMAT,

NOINIT,

NAME = N'rep7-Full Database Backup'

GO