

# [V7] FAQ: How do I configure the maximum of concurrent run-on-server backup that can be run on my AhsayCBS server

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**Product Version:**

AhsayCBS: 7.9.0.0 - 7.17.2.31, 8.1.0.0 - 8.3.2.200

OS: All platforms

**ATTENTION** 1st January, 2022: v7 officially End-of-Life [[details](#)]

## Description

How do I configure the maximum of concurrent agentless backup that can be run on my AhsayCBS server (e.g. setting a max limit)?

For AhsayCBS v8.3.4.0 or above please click here for details of New Run On Server (Agentless) Office 365 and Cloud File Backup Feature

## Steps

**Important:**

To ensure agentless backup jobs (both manual triggered and scheduled job) do not consume all available memory of the AhsayCBS server, the default maximum number of manual and scheduled agentless backup jobs is limited to 2 (each agentless backup job requires an average of 170 MB of Java heap memory, for agentless backup sets that contain a lot of files / folder, the memory requirement will increase in proportion).

If the number of scheduled backup jobs exceed the maximum concurrent setting, then the backup status of the job to be started, will be set to pending, AhsayCBS will attempt to retry and start the pending backup job(s) every minute, until the job can be successfully started.

On the other hand, if you try to start an agentless backup job via the AhsayCBS web console when there are already 2 concurrent jobs running, the following error message would be displayed:



To increase / decrease the maximum number of concurrent agentless backup jobs (both manual and scheduled) that can be run on AhsayCBS:

1. Stop the AhsayCBS service.

2. Open the `afc.opt` file in the following path, with a text editor

`${CBS_Install_Home}/conf/`

3. Add the following line to the end of the file:

`com.ahsay.obs.core.job.ScheduleBackup.MaxConcurrentJob=MAX_NUMBER`

For example, to set the maximum number of concurrent scheduled agentless jobs to 20:

```
afc.opt
...
com.ahsay.obs.core.job.ScheduleBackup.MaxConcurrentJob=20
...
```

**Important:**

This limit applies to both manually started, and scheduled run-on-server backup.

4. Save and exit from the text editor.
5. Restart your AhsayCBS service.

**Important:**

Ensure that the AhsayCBS server has sufficient RAM installed and that, there are sufficient free memory to accommodate the additional resource requirements for all manual and scheduled agentless backup jobs (each agentless backup job requires an average of 170 MB of Java heap memory, for agentless backup sets that contain a lot of files / folder, the memory requirement will increase in proportion).

In addition to the extra Java memory usage, agentless backup jobs will also require extra CPU resources from AhsayCBS server due to the compression and encryption process during a backup job.

## Keywords

Office365, Cloud File, agentless, scheduled backup, Java heap size

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