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<u>如何透過 Duplicati 設定排程將檔案備份至 hicloud S3</u> 雲儲存

hicloud S3 本身提供許多 API 供使用者呼叫使用 · Duplicati 為市面上第三方設計的備份 工具 · 它可以使用 hicloud S3 提供之 API 來達到自動化排程備份 · 這邊將以 Duplicati 做示 範說明 · 教導大家如果透過第三方備份工具完成排程備份的設定 · 同時該套軟體為跨平台軟 體 · 可以支援 Windows/Linux/Mac 等系統 · 透過以下教學即可輕易了解如何透過第三方備 份軟體將檔案備份至 hicloud S3 雲儲存 ·

1. 下載 Duplicati 軟體

至官方網站(<u>http://www.duplicati.com</u>)下載"Duplicati",並安裝



安裝 Duplicati 後,首次執行會出現設定精靈畫面,

2. 選擇 Schedule a new backup 建立新的備份項目



Duplicati Setup Wizard	×
Welcome to the Duplicati Wizard Please select the action you want to perform	below
What do you want to do?	
 Schedule a new backup 	Donate
🔘 Edit an existing backup	
🔿 Remove an existing backup	<u>Support Duplicati</u>
🔘 Restore files from a backup	
🔘 Run a backup immediately	
	< Back Next > Cancel

3. 接著設定 Backup name

🛅 Duplicati Setup W	/izard		- P	x
Enter a name for t On this page you later	: he backup 1 can enter a name for the backup,	so you can find an	d modify it	
Backup name Place the backup in	s3bk a group (optional)			
	a Broat (obroand)			
			Add a group	
		Back Ne:	xt > C	Cancel

4. 選擇 Custom folder list, 設定本地端要備份的資料夾(可選多個)



🚺 Duplic	ati Setup Wizard			
Select On	files to backup this page you must select the folder and files you wish to backup			
0	My documents — Custom folder list			
	C:\Users\MontalRay\Desktop\s3 129.92 MB ()			
The	The selected items take up 129.92 MB of space			
	< Back Next > Cancel			

5. 選擇是否將此備份任務做加密,如需要請輸入密碼並牢記密碼,密碼遺失檔案將無

法回復

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Duplicati Setup Wizard
Select password for the backup On this page you can select options that protect your backups from being read or altered.
Protect the backups with this password It is highly recommended that you use a strong password, as that will ensure that no-one but you can retrieve the files. Be sure to write down the password, as the backups will be useless without it.
Encryption method AES-256 encryption, built-in 🔻
Use these settings on new backups

6. 選擇要使用什麼協定將檔案備份至 hicloud S3 · 因 hicloud S3 為一相容 Amazon

S3 的服務,故在此選"Amazon S3 based"

Duplicati Setup Wizard	×
Select a place to store the backups On this page you can select the type of device or service that store the backups. You may need information from the service provider when you continue.	
Where do you want to store the backups?	
Amazon S3 based	
🔿 CloudFiles (Rackspace)	
🔘 File based	=
○ FTP based	
🔘 Google Docs	
🔘 SkyDrive	
	-
< Back Next >	Cancel

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在 S3 Servername 的欄位輸入 hicloud S3 Server 的 URL (s3.hicloud.net.tw) · AWS

Access ID 的欄位輸入 hicloud S3 的 Access Key 已及在 AWS Secret Key 的欄位輸入

hicloud S3 的 Secret Key,接著在 S3 Bucket name 的欄位,輸入之後要把檔案備份到哪

hicloud S3 上的哪一個 Bucket 的 Bucket name。

🔟 Duplicati Setup Wiza	rd	×
Backup storage optic On this page you can	o ns a select where to store the backup	data.
S3 Servername	s3.hicloud.net.tw 👻	Click here for the sign up page
AWS Access ID	UOUOMU5UQXhNVFUxTr 👻	
A WS Secret Key		Create bucket
S3 Bucket name	duplicati	
A bucket can be thoug in the bucket	ht of as a root folder. Use / in the	e bucket name, to access subfolders
Bucket create region	•	
Use Reduced Redux RRS is cheaper but	udancy Storage (RRS) t <i>less reliable</i>	Test Connection
	< Ba	ack Next > Cancel

◆ 補充說明: 日本目信息人子/ 在 S3 Bucket name 這一欄,可以填一個新的 Bucket name 並按下" Create bucket "

來建立一個新的 Bucket · 也可以填入已經創好的 Bucket 的 Bucket Name · 不過這邊 要注意的是 · 若是填入已經創好的 Bucket 的 Bucket Name 的話 · 這時候按下" Test Connection "或是" Next > "的時候 · 程式會彈出一個對話視窗 · 問使用者要不要在這個 Bucket name 前面加上使用者的 Access key (如下圖) · 這時候要選擇否 · 如果選擇是



的話·那麼在做 Test Connection 或進入下一步創建備份任務時·就會出現錯誤·原因

是使用者沒有該 Bucket。

Duplicati		X
1	The bucket name does not start with your user ID. To avoid using a bucket owned by another user, it is recommended that you put your user ID in front of the bucket name. Do you want to insert the user ID in front of the bucket name?	
	是(Y) 否(N) 取消	
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7. 接著進行進階設定

🖸 Duplicati Setup Wizard	X		
Advanced settings On this page you can select more advanced settings for your backup. If you prefer, you can ignore those settings, and use the duplicati defaults.			
📝 Select when and how often the backup should run			
📝 Select when to remove old backups			
📝 Set limits, such as volumesize and bandwidth limits			
📝 Modify filters that control what files are included in the backup			
Manually override settings (advanced)			
📝 Include the current Duplicati setup in the backup			
< Back Next > C	Cancel		

項 目

Select when and how often the backup should run

自行設定備份的時間點

Select when to remove old backups

選擇在什麼時間點移除較舊的備份檔案

Set limits, such as volumesize and bandwidth limits

設定備份檔案網路傳輸速度(頻寬)限速

Modify filters that control what files are included in the backup

設定資料夾檔案過濾條件,將不需要備份的檔案過濾掉

8. 自行設定備份時間點以及備份策略

◆ 每天上午 01:00 備份

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◆ 選擇 Incremental 備份策略

🚺 Duplicati Setup Wizard	×		
Select when the backup should run On this page you may set up when the backup is run. Automatically repeating the backup ensure that you have a backup, without requiring any action from you.			
🔘 Never run automatically, only run when I	manually start it (not recommended)		
Run backup at specified interval (recomm	ended)		
Run the backup at this time	2013年 4月25日 🔍 上午 01:00:1〇		
Interval	Each day 👻		
Allowed days	星期E星期-星期二星期三星期E星期日星期日 ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼		
- Full / Incremental strategy			
Incremental, then full after this period:	Each month 👻		
Always perform an incremental backup, never full (not recommended)			
Always perform a full backup, never incremental (not recommended)			
	< Back Next > Cancel		

9. 選擇在什麼時間點移除較舊的備份檔案

為避免備份無限成長塞爆儲存空間,可設定最多保留多少個完整備份,或保留多久

以前的備份

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Duplicati Setup Wizard				
Select cleanup options To ensure that backups do not grow indefinately, Duplicati can automatically remove old backups.				
Vever keep more than this many full backups <i>To prevent the backups from growing indefinetly, old backups should be deleted regularly</i>				
Never keep backups older than this One month				
Ignore file modification timestamp when making incremental backups				
< Back Next > Cancel				

10. 選擇檔案備份時網路傳輸限速條件

Duplicati Setup Wizard		×
Select how to limit the back On this page you may select many resources	up limits that prevent the backup procedure from using too	
🔲 Upload limit (backup)	0 ▲ bytes/s ▼	
🔲 Download limit (restore)	0 ▲ bytes/s ▼	
🔲 Each backup size limit	0 📩 bytes 🔻	
Size of each volume	10 🛖 MB 🔻	
🔽 Upload asyncronosly		
Set thread priority	Normal	
	< Back Next > C	Cancel

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11. 建立檔案過濾條件

這邊將副檔名為 java 的檔案過濾掉,不做備份

Duplicati Setup Wizard	×
Edit filters On this page you can modify filters that control what files are included in the backup.	
Filters	
	lter help 🕢
- *.java	
< Back Next >	Cancel
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12. 設定完成,系統會秀出設定組態

🔟 Duplicati Setup Wizard	×	
Ready to save changes The backup modifications	are now ready to be saved.	
Summary Command Line Action: Source folder: When: Repeat: Full backup each: Keep full backups: Destination:	Modify backup C:\Users\MontalRay\Desktop\s3\ 2013/4/26 下午 01:00:00 1D 1M 4 s3	
🔲 Run backup now	< Back Finish Cancel	

按照以上流程設定完畢·接著 Duplicati 即會在預設的排程時間點自動進行檔案備份至

hicloud S3 雲儲存。

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<u>如何透過 Duplicati 將檔案由 hicloud S3 雲儲存還原</u> 至本地端

這邊將以 Duplicati 做還原檔案的示範說明,教導大家如何透過第三方備份工具將先前

備份至 hicloud S3 雲儲存上的檔案還原至本地端。

1. 打開 Duplicati 軟體,選擇" Restore file from a backup "開始設定還原任務

Duplicati Setup Wizard Welcome to the Duplicati Wizard Please select the action you want to perform below	
What do you want to do?	
🔘 Schedule a new backup	Donate
🔘 Edit an existing backup	
🔘 Remove an existing backup	Support Duplicati
Restore files from a backup Run a backup immediately	
	< Back Next > Cancel
十 平 电 旧 安	如秋月五月



2. 選擇" Restore from an existing backup",再選擇之前建立的備份任務,就可以 選擇要還原哪個時間點的備份檔案

Duplicati Setup Wizard		-	×
Select the backup to restore In the list below, select the backup you want to rest	DIE		
Restore files directly			
Restore from an existing backup			
Show advanced ontions			
	< Back	Next >	Cancel

補充:

若是選擇" Restore files directly ",就可以任意選擇要將 hicloud S3 上的哪一 Bucket 底下的檔案,同步至本地端,不過由於不是依據先前的備份任務去做還 原,所以就無法像下一個步驟那樣,去選擇要還原哪個時間點的檔案。





如何透過 Duplicati 將檔案由 hicloud S3 雲儲存還原至本地端

3. 選擇要還原哪個時間點的備份檔案

Duplicati Setup Wizard	
Select the backup to restore The list below shows all the available backups. Select one to restore	
Select the backup you want to restore	
 2014年6月18日上午 09:45:00 2014年6月18日上午 10:00:00 2014年6月18日上午 10:15:00 2014年6月18日上午 10:30:00 2014年6月18日上午 11:00:00 2014年6月18日上午 11:15:00 2014年6月18日上午 11:30:00 2014年6月18日上午 11:45:00 2014年6月18日上午 11:45:00 	
2014年6月18日下午 12:00:00 2014年6月18日下午 12:05:00	
Incremental backup - 8.92 KB, chain: 22.68 KB	
< Back Next > Cancel	

補充:

這邊還原的時間點的數量,取決於先前建立備份任務時,設定要保留幾個時間 點的數量。

另外這邊的時間點,是每做一次備份就會建立一個時間點,換句話說,就是不 管是增量備份還是完整備份,都會將該次備份後的結果紀錄為一個時間點。





如何透過 Duplicati 將檔案由 hicloud S3 雲儲存還原至本地端

4. 選擇要還原至本地端的哪個資料夾

這邊若是將" Restore only the items selected below "的選項打勾的話,就可再更進

一步的去選擇要還原該時間點的哪些檔案

Duplicati Setup Wizard Select restore folder Please select the folder into wh	th the backup will be restored
Restore to this folder C:\Users\v Restore only the items selected	rcher\Desktop\教學文\Duplicati\restore
1 2 1 - 複製 (2).txt 	
	< Back Next > Cancel

5. 設定完成,系統會秀出設定組態,按下"Finish"開始進行還原動作

Summary Action: Restore backup Backup: 123 Date: 2014/6/18 下午 12:00:00 Folder: C:\Users\Archer\Desktop\教學文\Duplicati\restore	
Action: Restore backup Backup: 123 Date: 2014/6/18 下午 12:00:00 Folder: C:\Users\Archer\Desktop\数學文\Duplicati\restore	
	*
Run restore operation as a background job	-