



# Backup Update

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## Backup Strategies

### Backup Systems supports a range of backup strategies . . .

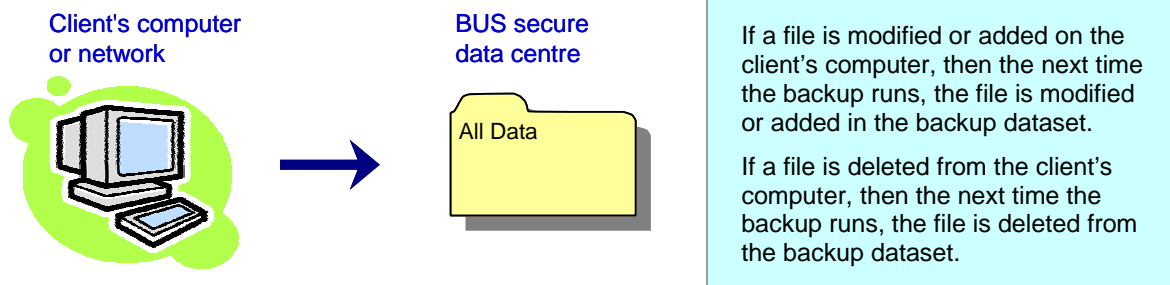
The BUS system provides strategies to meet your individual security requirements, e.g.:

- ✓ A single backup strategy where each backup overwrites the last one;
  - ✓ Seven by one day rotation, where the last daily becomes the backup for that week;
  - ✓ Month-end backup, where the last daily backup of each month becomes the backup for that month;
  - ✓ Annual backup
- etc.

Each client's specific backup strategy is set up as part of the initial configuration, and can then be varied at any time.

### Single backup strategy

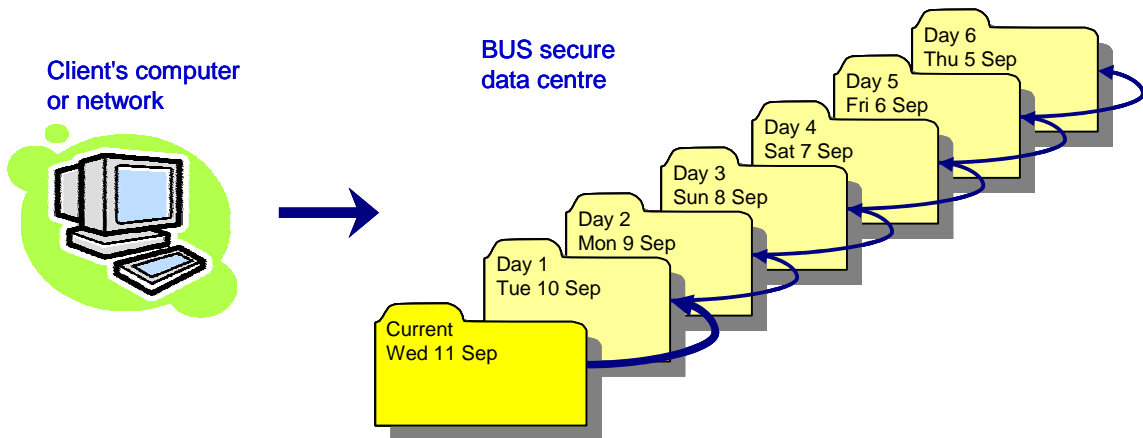
In this strategy, only one set of data is maintained on the BUS secure server, "mirroring" the data on the computer or network you are protecting:



| Advantage   | Disadvantage  |
|---|---|
| <ul style="list-style-type: none"> <li>• Most economical for storage space</li> </ul> | <ul style="list-style-type: none"> <li>• If backup is done daily, no way to retrieve past data after a day</li> </ul> |

### Seven by one day rotation

In this strategy, recoverable copies of data are kept for each day of the week:



The day that the backup runs is the **current** day.

If a file is modified or added on the client's computer, then when the backup runs, the file is modified or added in the **current** dataset. If a file is deleted from the client's computer, then when the backup runs, the file is deleted from the **current** dataset.

At the end of the current day, **the datasets are automatically rotated by the BUS process:**

- i.e. the Day 6 data is discarded,
- the Day 6 dataset is overwritten with the Day 5 data,
- the Day 5 dataset is overwritten with the Day 4 data,
- .....
- the Day 1 dataset is overwritten with the current data.

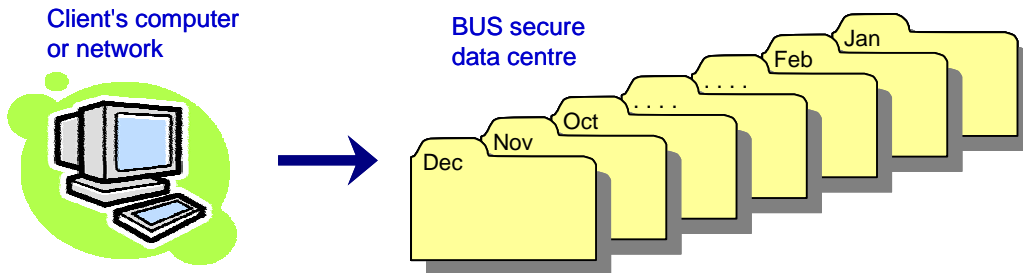
The BUS compression software manages the rotated copies so that the most economical use is made of storage space.

Using the BUS system, the original dataset will grow with a 7 day rotation cycle. However, the specific percentage of growth is highly variable depending on the individual sizes and types of files backed up, and the number of changes made from day to day.

| Advantage  | Disadvantage   |
|--|--|
| <ul style="list-style-type: none"> <li>• Overwritten or deleted data can be retrieved from six past versions up to a week old</li> </ul> | <ul style="list-style-type: none"> <li>• Some increase in overall storage space used on the BUS secure server</li> </ul> |

### Month-end backup

In this strategy, recoverable copies of data are kept for the last day of each month:



At the end of the last day of each month, the BUS system automatically saves a **monthly archive dataset**.

The monthly archive datasets are overwritten after twelve months, e.g. March 2007 overwrites March 2006.

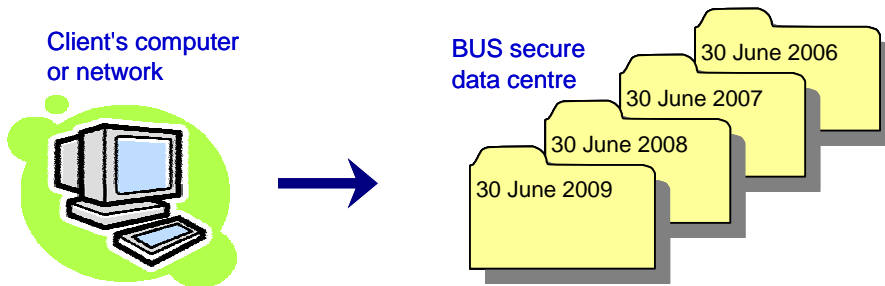
The BUS compression software manages the monthly archive copies so that the most economical use is made of storage space.

Using the BUS system, the original dataset will grow with a month-end backups. However, the specific percentage of growth is highly variable depending on the individual sizes and types of files backed up, and the number of changes made during each month.

| Advantage   | Disadvantage   |
|---|--|
| <ul style="list-style-type: none"> <li>Overwritten or deleted data can be retrieved from the last day of each of the previous months, up to a year old</li> </ul> | <ul style="list-style-type: none"> <li>Some increase in overall storage space used on the BUS secure server</li> </ul> |

**Year-end backup**

In this strategy, a single recoverable copy of data is kept for 30 June each year [the end of the financial year for most companies in Australia]:



At the end of June 30, the BUS system automatically saves a **year-end archive dataset**.

This is a copy of the June monthly dataset.

The BUS compression software manages the year-end archive copies so that the most economical use is made of storage space.

Using the BUS system, the original dataset will grow with annual. However, the specific percentage of growth is highly variable depending on the individual sizes and types of files backed up, and the number of changes made during each year.

| Advantage  | Disadvantage   |
|--|--|
| <ul style="list-style-type: none"> <li>Overwritten or deleted data can be retrieved from the last day of each previous financial year</li> </ul> | <ul style="list-style-type: none"> <li>Some increase in overall storage space used on the BUS secure server</li> </ul> |

**Standard strategy**

When clients join the BUS system, the standard (default) strategy applied to their account is:

- ✓ Seven by one day rotation, where the last daily backup becomes the backup for that week;
- ✓ Month-end backup, where the last daily backup of each month becomes the backup for that month;
- ✓ Annual backup on 30 June.

This strategy can be varied by contacting BUS technical support at:

[support@backupsystems.com.au](mailto:support@backupsystems.com.au)

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**Backup Systems provides off-line data storage as well.**

If you need to store large amounts of electronic data, we can provide a secure, economic off-line solution for you.

And we also provide a range of data searching, archiving and indexing software.

Please contact: [sales@backupsystems.com.au](mailto:sales@backupsystems.com.au)