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| **E** | | **The Cloud** | | |
| **Cloud** | | | Remotely located storage and software, accessed via the internet | |
|  | **Advantages** | | | **Disadvantages** |
| 1 | No need to update application software | | | Entrusting potentially sensitive data with outsiders |
| 2 | No need to maintain the equipment, software or data | | | Safety and security of sensitive data is outside your control |
| 3 | No need to employ network managers or other technical staff | | | The service must be totally reliable |
| 4 | Service provider takes care of backups | | | Requires internet connection |
| 5 | Easy to share files and collaborate across platforms and locations | | |  |

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| **D** | **Key Vocab** | |
| **Read Only Memory (ROM)** | | Non-volatile memory which cannot be over-written. Generally used for booting |
| **Storage device** | | Any hardware which can hold, read and write data |
| **Storage medium** | | The type of material or method used to store data |
| **Tertiary storage** | | External high-capacity storage |
| **Volatile** | | Memory which requires power |
| **Non-volatile** | | Memory which persists without power |

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| **C** | **Primary Storage** | |
| **Main memory** | | Other ways of saying RAM |
| **Primary storage** | |
| **Virtual memory** | | Part of secondary storage which is used as main memory when RAM is full |
| **Dynamic RAM** | | Single transistor / capacitor RAM which needs to be refreshed every few milliseconds |
| **Static RAM** | | 4/5 transistor RAM which can hold data without being refreshed (but does need power) |

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| **A** | **Secondary Storage: Types** | |
| **Flash** | | A type of SSD which stores information by forcing electrons through a barrier with a large current |
| **Magnetic** | | Cheap storage which requires moving parts and writable magnetic disks |
| **Optical** | | Cheap storage which requires a laser and a disk |
| **Solid State Drive (SSD)** | | Memory with no moving parts |

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| **B** | | **Secondary Storage: Qualities** | |
| 1 | **Capacity** | | Amount of data a storage device can hold |
| 2 | **Durability** | | How well the device resists damage |
| 3 | **Portability** | | How easily the device can be carried |
| 4 | **Reliability** | | How well the data resists corruption |
| 5 | **Speed** | | How quickly the data can be read from the storage device |
| 6 | **Cost** | | Pounds per GB |

Memory

Name: