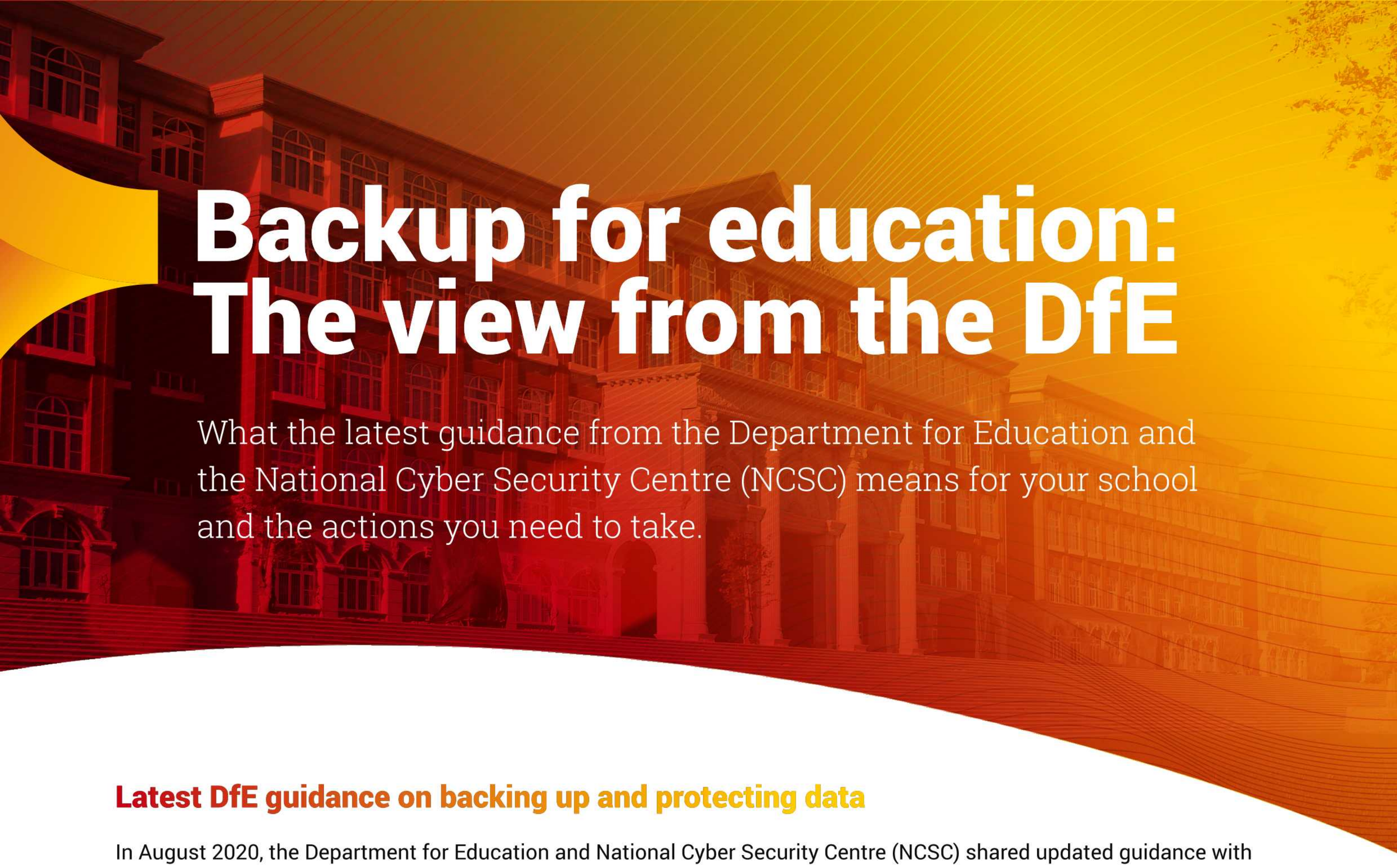


Backup for education: The view from the DfE

What the latest guidance from the Department for Education and the National Cyber Security Centre (NCSC) means for your school and the actions you need to take.

Latest DfE guidance on backing up and protecting data

In August 2020, the Department for Education and National Cyber Security Centre (NCSC) shared updated guidance with schools following an increasing number of cyber-attacks involving ransomware infecting the education sector.
The cyber-attacks appear to be taking advantage of system weaknesses such as unpatched software or poor authentication and "have had a significant impact on the affected education provider's ability to operate effectively and deliver services."

What do you need to do?

The latest guidance implicitly states the actions that all education providers should take to ensure they are protected against the effects of a possible cyber-attack or ransomware infection.

It is vital that all education providers urgently review their existing defences and take the necessary steps to protect their networks from cyber-attacks.

Along with your defences, having the ability to restore systems and recover data from backups is vital. You should ask your IT team or provider to confirm that:

- **They are backing up the right data**
- **The backups are held offline**
- **They have tested that they can restore services and recover data from the backups**

Read the latest advice from the NCSC here

sales@redstor.com - +44 (0) 1189 515 200

redstor™

Key definitions

Why hold backups offline

As ransomware attacks have grown to be more sophisticated over the years, onsite backup servers have become targets for cyber-criminals trying to ensure a ransom is paid.

An offline backup protects your data in a location that is separate from the network on which your live data sits. If your backup is on the same network as your live data and a ransomware infection takes hold, all data on the network including your backups is susceptible.

With Redstor your data is securely stored in two geographically separate data centres ensuring an airgap between your live data and your backup. Data is encrypted before it is sent to Redstor's data centres, meaning that even if there is a malicious file amongst your data it cannot compromise the platform.

The ability to restore systems and recover data

If you are infected by a ransomware attack then it is likely that all of your data, not just a single files, will be corrupted, it is therefore imperative that you are able to recover all of your data in a timely manner both from an operational standpoint and a compliance stand-point.

Many solutions tick the box of offline storage but with bandwidth limitations they can be extremely slow to recover or access vital data.

By utilising Redstor's InstantData™ you can easily restore files, folders or full servers and access data on-demand with streamed access, leaving you safe in the knowledge that you can recover and access your data in the event of a disaster.

How does this relate to data protection regulations such as the GDPR?

Article 32 of the GDPR sets out conditions for the security of processing data under the GDPR and gives additional guidance on what "technical and organisational measures" organisations must take.

Under Article 32 it is stated that organisations must have:
"the ability to restore the availability and access to personal data in a timely manner in the event of a physical or technical incident"

While this is in line with that latest guidance from the DfE and the NCSC, a key element under the GDPR is the "timely manner". Implementing a solution that would take days or weeks to recover data is not suitable.

How Redstor helps you meet the latest requirements

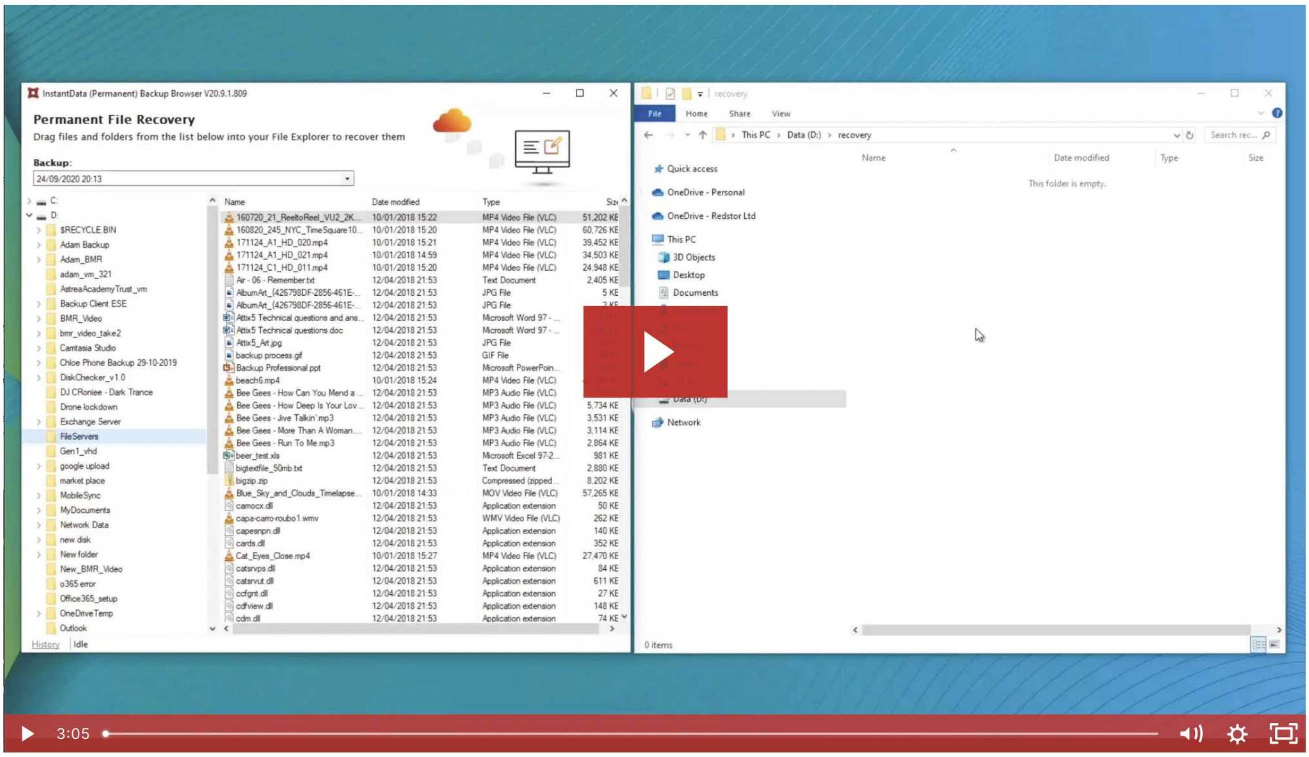
With Redstor you can easily select all data for protection and utilise Insight and industry-leading reporting to ensure all of the correct data is being backed up.

Data is encrypted before it is sent to Redstor's secure UK data centres, meaning that even if there is a malicious file amongst your data it cannot compromise the platform. By utilising InstantData™ users can then rapidly test recoveries and access data on-demand.

Not using Redstor or need help testing a restore? Speak to your service provider to understand how you can implement the solution and utilise InstantData™. Contact one of our specialists to arrange a free two-week trial.

Why Redstor

Watch how InstantData™ enables immediate access to data and allows for full server recovery from ransomware or for testing purposes, all in under 3-minutes:



InstantData (Permanent) Backup Browser V20.9.1.809

Permanent File Recovery

Drag files and folders from the list below into your File Explorer to recover them

Backup: 24/09/2020 20:13

C:
D:
$RECYCLE.BIN
Adam Backup
Adam_BMR
adam_vm_321
AstreaAcademyTrust_vm
Backup Client ESE
BMR_Video
bmr_video_take2
Camtasia Studio
Chloe Phone Backup 29-10-2019
DiskChecker_v1.0
DJ CRoniee - Dark Trance
Drone lockdown
Exchange Server
FileServers
Gen1_vhd
google upload
market place
MobileSync
MyDocuments
Network Data
new disk
New folder
New_BMR_Video
o365 error
Office365_setup
OneDriveTemp
Outlook

Name	Date modified	Type	Size
160720_21_ReeltoReel_VU2_2K...	10/01/2018 15:22	MP4 Video File (VLC)	51,202 KE
160820_245_NYC_TimeSquare10...	10/01/2018 15:20	MP4 Video File (VLC)	60,726 KE
171124_A1_HD_020.mp4	10/01/2018 15:21	MP4 Video File (VLC)	39,452 KE
171124_A1_HD_021.mp4	10/01/2018 14:59	MP4 Video File (VLC)	34,503 KE
171124_C1_HD_011.mp4	10/01/2018 15:20	MP4 Video File (VLC)	24,948 KE
Air - 06 - Remember.txt	12/04/2018 21:53	Text Document	2,405 KE
AlbumArt_{426798DF-2856-461E-...	12/04/2018 21:53	JPG File	5 KE
AlbumArt_{426798DF-2856-461E-...	12/04/2018 21:53	JPG File	2 KE
Attix5 Technical questions and ans...	12/04/2018 21:53	Microsoft Word 97 - ...	[illegible]
Attix5 Technical questions.doc	12/04/2018 21:53	Microsoft Word 97 - ...	[illegible]
Attix5_Art.jpg	12/04/2018 21:53	JPG File	[illegible]
backup process.gif	12/04/2018 21:53	GIF File	[illegible]
Backup Professional.ppt	12/04/2018 21:53	Microsoft PowerPoin...	[illegible]
beach6.mp4	10/01/2018 15:24	MP4 Video File (VLC)	[illegible]
Bee Gees - How Can You Mend a ...	12/04/2018 21:53	MP3 Audio File (VLC)	[illegible]
Bee Gees - How Deep Is Your Lov...	12/04/2018 21:53	MP3 Audio File (VLC)	5,734 KE
Bee Gees - Jive Talkin'.mp3	12/04/2018 21:53	MP3 Audio File (VLC)	3,531 KE
Bee Gees - More Than A Woman....	12/04/2018 21:53	MP3 Audio File (VLC)	3,114 KE
Bee Gees - Run To Me.mp3	12/04/2018 21:53	MP3 Audio File (VLC)	2,864 KE
beer_test.xls	12/04/2018 21:53	Microsoft Excel 97-2...	981 KE
bigtextfile_50mb.txt	12/04/2018 21:53	Text Document	2,880 KE
bigzip.zip	12/04/2018 21:53	Compressed (zipped...	8,202 KE
Blue_Sky_and_Clouds_Timelapse...	10/01/2018 14:33	MOV Video File (VLC)	57,265 KE
camocx.dll	12/04/2018 21:53	Application extension	50 KE
capa-carro-roubo1.wmv	12/04/2018 21:53	WMV Video File (VLC)	262 KE
capesnpn.dll	12/04/2018 21:53	Application extension	140 KE
cards.dll	12/04/2018 21:53	Application extension	352 KE
Cat_Eyes_Close.mp4	10/01/2018 15:27	MP4 Video File (VLC)	27,470 KE
catsrvps.dll	12/04/2018 21:53	Application extension	84 KE
catsrvut.dll	12/04/2018 21:53	Application extension	611 KE
ccfgnt.dll	12/04/2018 21:53	Application extension	27 KE
cdfview.dll	12/04/2018 21:53	Application extension	148 KE
cdm.dll	12/04/2018 21:53	Application extension	74 KE

History | Idle

recovery

This PC › Data (D:) › recovery

Name	Date modified	Type	Size

This folder is empty.

0 items

Since 2005, Redstor (commonly referred to as RBUSS) has been delivered by a network of specialist education partners (including 70 Local Authorities), who trust Redstor to protect the data in over 12,000 educational establishments nationwide.

Redstor is the only Capita approved, fully automated, cloud backup and recovery service allowing schools and colleges to back up their data off-site, securely, over the Internet and/or dedicated IP links to our secure, remote data centres. As a cloud-first solution there's also no reliance on hardware and set-up can be done in as little as 15-minutes.