



8 great ways to protect your data

K–12 schools, higher education institutions, and libraries are tasked with managing, storing, and securing immense amounts of critical data. Below, we have outlined eight simple strategies you can implement to more effectively protect and support your organization's data operations.



Create a safe environment

Mission critical data and information technology (IT) systems need to be housed in secure locations to avoid theft, data breaches, and catastrophic data losses. Creating a safe and well-protected physical environment for on-site IT equipment coupled with using a secure cloud solution should be part of every data protection plan.



Encrypt your data

Data encryption renders your data unusable to intruders. ENA TrustCompute, ENA's managed cloud solution, offers a transparent user experience through a secure and private LAN extension. The solution utilizes Internet protocol security (IPsec) to encrypt traffic flow over the public Internet for off-net customers. Current ENA Internet access customers have a direct, private connection to their cloud via ENA's Internet backbone.



Back up your data

Keeping data backups offsite is a critical component of any data management plan. Cloud-based backup solutions enable users to schedule regular data backups and store copies of their data within the highly-secure ENA cloud.



Build a geographically diverse infrastructure

You need to ensure your data and applications are protected if disaster strikes. Leveraging a cloud platform to co-locate servers is a simple way to create a geographically diverse infrastructure. ENA TrustCompute enables users to migrate essential databases and information to a secondary location, creating backups as well as redundancy.



Implement network segmentation (zones)

Many IT departments are splitting their computer networks into subnetworks to boost performance and improve security—a practice known as network segmentation. Utilizing the cloud allows you to easily and quickly spin up and segment your network into isolated zones for security purposes.



Deploy malware protection

Malware is a serious issue impacting many IT users and systems. Coupling cloud technology with anti-malware protection can greatly minimize its detrimental impact. Cloud off-site storage and backup capabilities allow you to recover a clean version of your files from a previous point in time prior to a system malware attack.



Install operating system updates

It is important to frequently update your operating systems. Security patches and other updates protect the integrity of the system and keep it running smoothly and efficiently. ENA TrustCompute supports Windows Server (2008 R2, 2012 R2, and 2016), Linux, and BSD operating systems, which are provisioned with all current security updates.



Practice the Principle of Least Privilege (PoLP)

Operating and managing devices connected to your network as an administrator or power user may leave you vulnerable to attack. One incident could destroy your hard drive and infect your entire network. Employing a strategy that dictates how much and what type of access different accounts have adds an extra layer of security to both your network and computer data operations.

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About ENA

Education Networks of America (ENA) has had the privilege of serving the nation's education and library communities for over twenty years. We work side-by-side with our customers to ensure they have the transformative technology solutions they need to meet the present and emerging needs of their students, faculty members, and patrons. Today, ENA successfully delivers broadband, Wi-Fi/LAN, communication, and cloud solutions to more than eight million users across the nation. At ENA, we are not trying to be everything to everybody—our objective is to be everything to the communities we serve.

