



8 Great Technical Use Cases for Cloud Computing

Invest in cloud computing to make information technology (IT) more resilient, accessible, and cost-effective. IT departments are tasked with deploying and managing a wide array of technologies. Finding the time and money to devote to purchasing, racking, stacking, and powering servers can be difficult and inefficient. ENA TrustCompute is designed to support your data center challenges and lighten the load for you and your staff.



Active Directory

Increase your resiliency on the network by adding a read-only alternate domain controller in the cloud and sync identities with your Active Directory (AD) primary domain controller in your data center. This supports authentication of your users to your data center with constant replication (i.e. syncing) in the cloud.



Data replication and application recovery

Use the cloud for hot site data replication (i.e. disaster recovery) to protect your organization from the unexpected. Using Distributed File System Replication (DFSR) or other replication utilities allows the creation of a disaster recovery hot or warm site, replicating data to a set of active or pre-built servers in the cloud. In the event of a catastrophic failover requiring restoration of your infrastructure, the ENA TrustCompute cloud service provides you with immediate access to your data and the ability to recover your files and data without losing or corrupting your data resources.



Web-facing workloads

Apply load balancing to servers hosting websites, Active Directory Federation Services (AD FS), and applications. Utilizing ENA TrustCompute cloud services for load balancing distributes your Internet-facing workloads across multiple computing resources in a virtual environment, streamlining operations while reducing costs and workload challenges.



Mobile device management

Moving your mobile device management (MDM) to the cloud allows you to easily track and monitor your mobile devices and streamline the overall management of your mobile devices across operating systems and networks from anywhere. Increase resiliency and accessibility by using the cloud for MDM. For example, extending FileWave to the cloud means at-home and remote logins do not need to pass through the local network.



Temporary workloads

Optimize resources and cost by adding flexible capacity for infrequently used cache servers. Moving assessment, testing, and infrequently used workloads to a virtual data environment allows you to build capacity on demand and eliminate the costly addition of hardware and servers for short-term access. Testing your software applications and programs in a secure cloud computing environment allows you to monitor and evaluate latency issues, browser performance, and other compatibility issues to ensure high-quality service delivery upon final implementation.



Application monitoring

Enhance monitoring by adding external service monitoring to straddle both internal and external perspectives within your network. Monitor external services and other cloud-based services for performance, efficiency, and optimization.



Remote access

Put your AD FS in the cloud to ensure users can connect securely and seamlessly to other vendor-hosted applications. ENA TrustCompute's simple and flexible resource bundles allow you to easily allocate remote access to print servers or other resources on your network as needed, eliminating the capacity guesswork required with on-site servers.



Lab environment

Build a lab environment to support student and teacher projects, giving students and their teachers the opportunity to build and create resources in the cloud. For example students may create an environment in the cloud to house their coding designs, STEM-related activities, or other engineering projects.

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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.

