Evidian

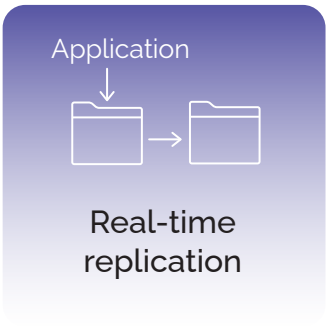
SafeKit, the easiest-to-use redundancy software to achieve 24/7 high availability of business-critical applications

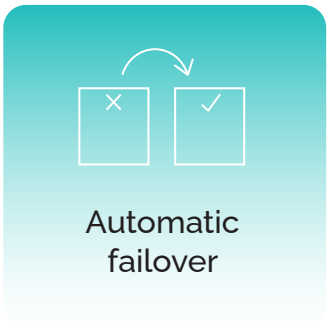
In a world where continuous access to your data and applications is critical for business success, you need 24/7 uptime with zero scope for any deviations. Evidian SafeKit is a comprehensive, software-based high availability product that provides continuous, non-stop operations of your critical applications so your business runs like clockwork.

What is SafeKit?

SafeKit is an all-in-one offering from Evidian that provides business continuity and load-balancing. SafeKit runs on Windows and Linux and eliminates the need for shared disks, OS and database enterprise editions or any special skills.

This easy-to-deploy, cost-effective solution does not require any specialized computer or software training — enabling a shorter learning curve, simple assimilation and faster knowledge transfer.





What are the target markets?

This platform agnostic, software-based solution can be seamlessly applied to critical applications in a broad range of industries such as manufacturing, transport, telecom, healthcare and finance. Its ease-of-use and adaptability makes it perfect for any company deploying a critical application in a vertical market, or those searching for a simple high availability solution that will work with their applications. SafeKit is the ideal solution for software publishers, resellers and distributors.

Why choose SafeKit?

- Microsoft or Linux clustering is too complex
- Shared disks on a SAN, network load balancers, enterprise editions for database replication are too expensive
- You need real-time synchronous replication with no data loss on failure contrary to asynchronous replication
- You need automatic failover and failback
- You need an agnostic high availability solution that works with physical machines, virtual machines and public cloud infrastructure

Software clustering vs. hardware clustering

A simple software cluster with the SafeKit package installed on two servers	Complex hardware clustering with external storage or network load balancer

Shared nothing vs. shared disk cluster

SafeKit is a shared-nothing cluster — easy to deploy, even in remote sites	A shared disk cluster is complex to deploy

High availability vs. fault tolerance

SafeKit doesn't require a dedicated server; each server can be the failover server for the other	Requires a secondary server dedicated to executing the same application, synchronized at the instruction level

Synchronous replication vs. asynchronous replication

SafeKit implements real-time synchronous replication with no data loss in case of failure	With asynchronous replication, there is data loss on failure

Byte-level file replication vs. block-level disk replication

SafeKit implements real-time byte-level file replication and is simply configured with application directories to replicate, even in the system disk	Block-level disk replication is complex to configure and requires putting application data in a special disk

Heartbeat, failover and quorum to avoid 2 master nodes

To avoid 2 masters, SafeKit utilizes a simple split brain checker configured on a router	To avoid 2 masters, other clusters require a complex configuration with a third machine, a special quorum disk, or a special interconnect

Virtual IP address and load balancing

A SafeKit cluster requires no dedicated proxy servers or special network configuration for virtual IP addresses	Special network configuration is required in other clusters for virtual IP addresses. Note: SafeKit offers a health check adapted to load balancers

Application HA and full virtual machine HA

SafeKit supports application HA with scripts for a quick restart or VM HA with reboot of VMs without additional scripts	Hypervisor clustering solutions don't support application HA and require shared disks for VM HA

What are the benefits of SafeKit?

- Zero specific skills are required to deploy a SafeKit high availability solution, instead leveraging a very simple web console to do the job
- Zero extra hardware costs as the solution is independent of any hardware, and runs on existing physical servers, in virtual machines, or in the cloud
- Zero extra software costs because SafeKit works with standard editions of OS and databases
- Try and buy options enable you to test SafeKit for free on Windows or Linux. Free trial on evidian.com/safekit
- Synchronous replication to ensure no data loss, as any data committed to disk by a transactional application is replicated on the secondary node
- Automatic failover, automatic failback on a secondary node in case of hardware/network/software failures

What are the best scenarios for using SafeKit?

- A software publisher searching for a high availability add-on
- A reseller wishing to deploy high availability in many companies
- High availability and disaster recovery solution with 2 nodes in 2 remote sites
- Replication of a few Terabytes, with less than 1,000,000 files
- 1Gb/s or 10 G/s LAN or extended LAN between nodes
- Load balancing of less than 10 servers
- Replication of less than 32 VMs when full VMs are replicated under Hyper-V or KVM

CT-211101-CK-FS-Evidian-Safekit-Flyer