

# Allstream Cloud Replication

Turn-key business continuity  
and disaster recovery





# Allstream's Cloud Replication Service

In today's non-stop business environment, even a few hours of downtime can threaten your business survival. Allstream's Cloud Replication Service is a turn-key business continuity and disaster recovery solution that provides near instantaneous failover and failback capability during server outages. It deploys in hours. And there's no capital investment.

## Overview

As one of our Business Continuity solutions, **Allstream's Cloud Replication Service** allows your organization to conduct business as usual during unexpected server failures or even planned downtime.

In the event of any kind of server failure, an automatic failover process seamlessly redirects users to a real-time, replicated server environment in a secure cloud. Users and applications are up and running in mere minutes, ensuring service continuity for your company and customers.

## Business Challenge

As a small to medium-sized business, you have the same, if not greater exposure to risks from unplanned outages as compared to your larger competitors. But smaller organizations may not have the budget and resources to manage IT business continuity and disaster recovery in the same way.

However, to stay competitive in today's on-demand business environment, you need to operate non-stop. Interruptions due to unexpected system failures, software corruption, maintenance windows, outside threats and disasters can affect sales, service and productivity. They may even threaten your company's survival.

What's needed is an affordable and manageable way to ensure non-stop business operations and total data protection without additional IT infrastructure and internal resource costs.

**With Allstream's Cloud Replication Service, it's business as usual – even during power outages and failures.**

- **No data loss**
- **No downtime**
- **No upfront cost**

## Solution

That's where Allstream's Cloud Replication Service comes in. Our managed service provides secure, real-time server replication with automatic failover and failback, ensuring data protection and high availability. As an added advantage, you don't even have to invest in additional infrastructure or internal IT staff.

## Managed Cloud Replication Services

Allstream's Cloud Replication Service is a comprehensive, turn-key Business Continuity (BC) and Disaster Recovery (DR) solution tailored to small to medium-sized businesses, especially those with limited or strained IT resources and budgets. A subscription-based, managed service, it removes the need to purchase, install, oversee and support hardware, operating systems, application software, BC/DR software and DR data centre facilities.

Other advantages include: automated 24x7 server protection, installation without any disruption to your operations (typically in less than 24 hours), and integration with top-tier public and private cloud providers.

## You're Protected Within Hours

The service starts with a Readiness Assessment to identify mission-critical servers and applications that require continuous availability. Once these are identified, Allstream establishes a secure, enterprise-grade VPN connection that allows your essential servers and applications to be replicated to the cloud. Within hours, your business can be fully protected from unplanned server outages and the potentially negative economic impact they threaten.

## With Cloud Replication, you enjoy:

- **A comprehensive, managed solution**
- **Immediate protection**
- **Failover and failback in minutes**
- **Flexible scheduling for upgrades and routine maintenance**
- **No financial risk and substantial return on investment**
- **Total protection with global reach**
- **A solution that scales to meet your growth and timeline needs**
- **Real-time activity and system health check reporting**

## You Assume Complete Control

Allstream's Cloud Replication Service provides you with automatic failover capabilities with easy and secure access to our Control Panel. This patented web-based interface gives you real-time visibility to your servers and network through our Virtual Network Operating Centre (NOC), an automated engine that watches over your network 24/7. The virtual NOC allows you to monitor the status of your environment in real time. And in the event of a server interruption, the automatic failover instantly redirects users and applications to the replicated cloud environment.

With Cloud Replication you can also schedule planned system updates and maintenance during normal business hours without affecting operations and with no data loss.

## No Capital Investment

Allstream's Cloud Replication Service requires no capital investment. All costs are part of the service. In addition, the predictable monthly fee for each replicated server is more economical than traditional in-house business continuity solutions.

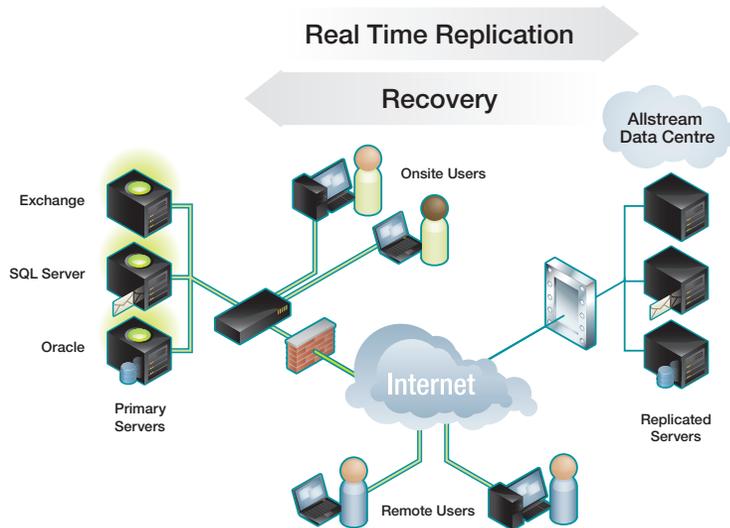
## How It Works

### Ongoing Protection

Allstream's Cloud Replication Service protects your business by fully replicating your critical servers to a secure hosted cloud environment. All operating systems, supported applications and end-user data are made available in a secure and 24/7 accessible cloud-hosted environment. Your servers and data are kept current through real-time bandwidth-efficient continuous replication.

## With Cloud Replication, you can:

- **Virtually eliminate end user downtime and data loss**
- **Reactivate your systems on your schedule**
- **Access your applications and data anywhere, anytime**
- **Avoid any appliance, software or human resource burden**
- **Typically deploy within 24 hours**



## Failover

In the event of a server failure, downtime or a complete site loss, Allstream's Cloud Replication Service automatically redirects data and users to the cloud-hosted replica servers, which operate in failover mode for the duration of the downtime event. Your employees can securely access the cloud-hosted replica servers from any remote location via the Internet, or continue to access it locally should your site remain available.

## Failback

Once a planned or unplanned outage has been resolved, you can continue to count on seamless business continuity. The failback process redirects users and applications back from the cloud replication environment to your restored servers. This fast and transparent process ensures that users can continue to work and access applications and data files without interruption. Failback also synchronizes changed data and then seamlessly redirects user traffic back to your servers.

Allstream's Cloud Replication Service protects your operations by replicating all operating systems, applications and data in real time to a secure cloud-hosted environment.

In the event of a complete production site loss, your employees can continue to access their applications securely through the Internet from any remote location.

# Specifications

## Cloud Replication Includes:

- Cloud-side operating system, supported applications and replication capability
- Cloud compute and storage assigned per protected system
- Asynchronous block-level replication of your protected servers to the cloud
- The ability to run your protected applications from the data centre while in failover mode
- Remote access into the cloud for your users when the primary environment has failed
- Audit and reporting statistics on data transfer and failover status
- Hybrid hosting allows the use of internal private clouds in addition to public clouds

## Supported Applications

- Microsoft File Services 2003, 2008
- Microsoft Exchange 2003, 2007, 2010
- Microsoft SQL Server® 2005, 2008
- Microsoft IIS v6, v7, v7.5
- Microsoft SharePoint 2007 SP2
- MS Dynamics CRM 4.0

- Blackberry Enterprise Servers (BES) 4.1.1-4.1.6, 5.0.0
- Oracle 10.x, 11.x, 11g R2

## Platforms Supported

- Microsoft Windows Server 2003/2008 (R1 and R2) Standard, Enterprise Edition, Web, DataCenter Editions, Windows Storage Server, Foundation, MSCS Cluster (32-Bit or 64-Bit)
- Red Hat Enterprise Linux Server (RHEL)
  - 4.8 (support lower versions like 4.7, etc.) (x86, x86\_64)
  - 5.5 (support lower versions like 5.4, 5.3 etc.) (x86, x86\_64)
- SUSE Linux Enterprise Server
  - 9 (SP1, SP2, SP3, SP4) (x86, x86\_64)
  - 10 (SP1, SP2, SP3) (x86, x86\_64)
  - 11 (x86, x86\_64)
- Sun Solaris
  - 9 (32bit, 64bit)
  - 10 (SPARC) (64bit)
  - 10 (x86\_64)

- IBM AIX
  - 5.2 (32bit, 64bit)
  - 5.3 (min TL04 is required) (32bit, 64bit)
  - 6.1 (64bit)

## All Cloud Replication Installations Require the Following:

- Minimum of a DSL, cable or greater high speed internet connection (recommended high speed connection is T1 and greater depending on amount of data)
- Network running Microsoft Active Directory 2003, 2008
- Internet router capable of supporting a VPN IPSEC Tunnel
- Mail server redirection requires access to DNS MX records
- Administrator access on servers to be replicated
- Minimum of 5GB of free disk space on each server being replicated

## Allstream and Business Continuity

When it comes to business continuity and disaster recovery solutions, Allstream offers a range of industry-leading expertise. Our national network provides the highest levels of data security, enabling us to deliver on stringent network service level agreements (SLAs). We partner with some of the world's foremost business continuity and disaster recovery vendors to deliver 365x24x7 availability for your mission critical applications. Our top-tier data centres and disaster recovery facilities are ISO, 5970 and PCI compliant. They are also staffed 24x7 by ITIL certified professionals. Allstream also undergoes annual SAS 70 Type II/CICA 5970 audits of its Managed Security Service operations. Simple and affordable, Allstream's Business Continuity Solutions can scale to your needs.

**For more information**

**Call now 1 877 874-0308**

**visit [allstream.com/businesscontinuity](https://allstream.com/businesscontinuity)**

**or email us at [cloud@allstream.com](mailto:cloud@allstream.com)**



## **About Allstream**

Allstream is a leading national communications provider that works exclusively with businesses of all sizes. An industry leader in delivering innovation, our focus is unifying and elevating all the ways that businesses connect and collaborate to serve customers, to drive workforce and partner productivity, and to get payback on networking and IT resources.



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