TECHNICAL PAPER 04

Coming home

04

Failback is where DR plans quietly fall apart. Ours doesn't.

> Failing over gets the attention. Failing back is where the real cost hides: days of copying whole virtual machines back, a fresh full backup afterwards, a server that comes home with a new identity and a broken backup chain. ImmuBDR treats the return trip as a first-class operation.

Merge back: only the difference travels

When production is ready again, the original server becomes exactly what the DR copy turned into, without copying the whole machine. Only what changed travels, and every piece is checked on arrival.

Identity kept

Same name, same identity, same MAC addresses.

Chain continues

The next backup is an incremental, not a new full.

Short window

Proportional to what changed during the outage, not to the size of the server.

Replicas that stay small

For systems that need to come back in minutes, a replica sits ready and isolated on your own platform. After every backup it receives only what changed. Promoting a replica continues the same backup chain.

Orchestrated, not improvised

- **Planned failover** syncs, shuts the original down gracefully, takes a final backup, and only then starts the copy. No data left behind.
- **Fallback targets.** If the first recovery target fails, the plan tries the next one.
- **Automatic failover is fenced.** It needs independent signals, an explicit arming step and a cancel window.
- **A preflight check comes first.** Every difference between the restore point and the target is listed before anything starts. Errors block; warnings must be read.

HYPERVISOR FREEDOM

Your backups are not tied to your hypervisor

A restore point from one platform can start as a new VM on another, with its network identity kept. And if you change hypervisor next year, your backups and your DR plan come with you.

ABOUT IMMUBDR

ImmuBDR is Immutec's backup and disaster-recovery platform, delivered as a fully managed service. It protects virtual machines, physical servers, databases and file shares, keeps every restore point verified and immutable, and recovers them on our own infrastructure, even when your own hypervisor or site is gone.

Our engineers run the platform for you. Customers have no access to backup or restore functions; every request runs through a ticket. Your production and your recovery are held by different people, by design.

Need the technical detail? A full version of this paper is available under NDA.

Proven weekly	Immutable	Own infrastructure
Every system booted and tested, with evidence.	Time-locked restore points nobody can release early.	Storage, DR capacity, network and AI, run by us.

Want to see a failover live? Ask us for a demo. www.immutec.ae