VIRTUALZ
COMPUTING ™

Revolutionize Data Access and Accelerate Migrations With Lozen™

Lozen is VirtualZ Computing's revolutionary solution that unlocks the power of real-time, read-write data access — from any platform, anytime, anywhere. With Lozen, applications running in the cloud or on distributed platforms have easy, secure, real-time, read-write access to IBM zSystems data. Since the data remains on the mainframe, there is no need to replicate or "lift and shift" it. This reduces data access costs and MIPS consumption, while also delivering faster, safer, lower-cost migrations and earlier success in your application migration projects.

Simplifying Data Access for Replatforming Applications

Mainframe customers say they have z/OS applications they would like to replatform, but they cannot move them off the mainframe because the applications:

- Operate in real time on data that resides on the mainframe.

- Use data that cannot move off the mainframe.

- Have too many interdependencies with other applications.

- Rely on components developed using programming languages or tools not available on other platforms.

- Are based on vendor software or infrastructure not available on other platforms.

- Are very large and difficult to deconstruct.

- Rely on z/OS specific features, APIs, or protocols.

Ultimately, customers are struggling to access mainframe data directly, and they face challenges around data dependencies and synchronization.

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> *Lozen enables partial and incremental replatform projects, with some applications being replatformed and others staying on the mainframe. Being able to transparently access mainframe VSAM data in real time really helps replatform projects move forward — without having to build additional processes or controls around moving the workload, all while maintaining data integrity and currency.*
>
> *Micro Focus (now OpenText) provides a mainframe-equivalent CICS JCL IMS environment running COBOL and PL/I applications on distributed platforms. If VSAM data continues to reside on the mainframe, the tight integration VirtualZ has developed between Lozen and our File Handler means that batch applications can now access it remotely. Lozen provides a really good way of providing shared access to critical mainframe data between batch and online applications.*

Neil Fowler

General Manager
Application Modernization &
Connectivity

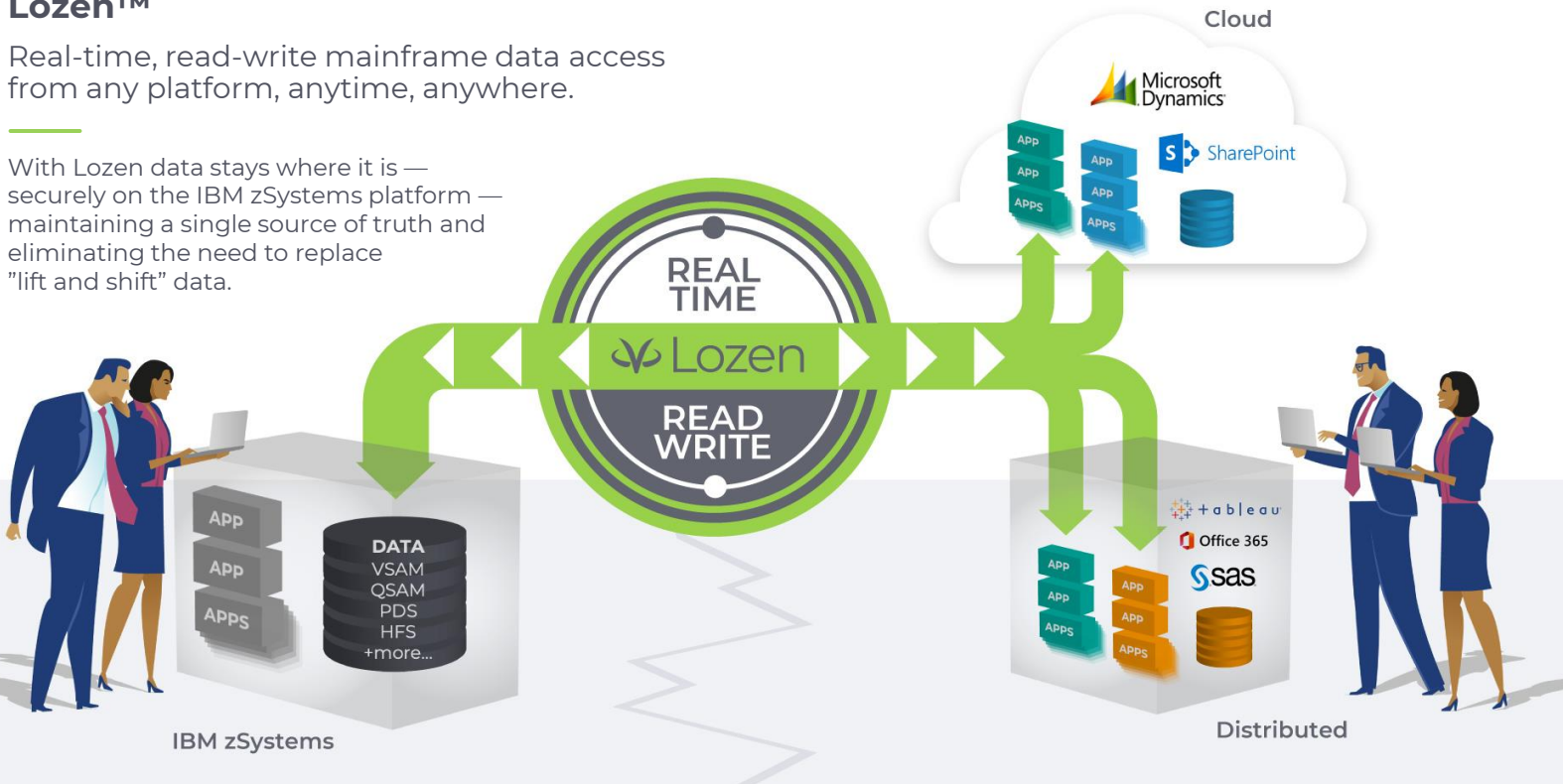Micro Focus (Now OpenText)

Lozen for Cloud

Lozen simplifies cloud application migration. Because the data stays where it is (safely and securely on the mainframe), you can safely and incrementally migrate high-impact applications to the cloud and distributed platforms — without risking other applications that depend on that same data. Applications not being migrated do not have their data dependencies broken, and if the goal is to retire the mainframe, the data can be dealt with as a single project, testing in the final architecture — eliminating costly and risky interim throw-away work.

Lozen™

Real-time, read-write mainframe data access from any platform, anytime, anywhere.

With Lozen data stays where it is — securely on the IBM zSystems platform — maintaining a single source of truth and eliminating the need to replace "lift and shift" data.

Seamless Integration to Applications

The combination of Lozen with other cloud platforms, products, and services allows you to:

- Leverage the powerful, high-performance combination of both mainframe and cloud platforms.

- Streamline and accelerate large migration projects while unlocking cost savings.

- Minimize the need to understand and reconcile data dependencies.

- Free up other resources to concentrate efforts on migrating high-impact applications.

Real-Time, Read-Write Access to Mainframe Data

Lozen offers organizations a new and efficient paradigm for mainframe data access. With Lozen, an application running in the cloud or on a distributed environment that needs access to a record on the mainframe can go directly to that record on the mainframe — in real time, with read-write access, through a no-code implementation.

Since the data remains on the mainframe, organizations no longer need to develop and maintain costly and complicated extraction techniques using ETL, FTP, and/or APIs or to re-sync data using change data capture or other methods.

Enterprise-Level Performance

Lozen's structure allows applications to do sophisticated things like search for records by the record keys, which eliminates the need to transfer massive amounts of data across the network.

Lozen is built on industry-standard protocols like NFS, benefiting from their inherent capabilities (like caching and optimizing buffer sizes), which help with latency and performance. If you are running many applications concurrently, and they are all accessing the same set of data, caching operates the first time a record is referenced. It ends up stored locally on whatever platform you're using, and from there forward, there is no overhead. Once fetched, the caching enables access to that record at either memory speeds or local disc speeds, eliminating any network dependency or latency.

> *Lozen will be a total game-changer in the z/OS to cloud native migration space. The ability to transparently move enterprise applications to the cloud without having to move all the dependent data off the z/OS platform will revolutionize the process, the speed, and the risk mitigation involved in these complex efforts.*
>
> *We are excited to partner with VirtualZ as they bring this revolutionary technology to market. Lozen will be great for the Microsoft Azure business, and our mutual customers will see tremendous benefits and cost savings.*

Barry Wordell

Worldwide Mainframe Migration Strategist

Microsoft Corporation

Native Mainframe Security

Lozen provides real-time, read-write access to original master data sources (including on IBM zSystems) with full data integrity and security. This approach eliminates the need to move or replicate mainframe data, because the data can stay where it is — safely and securely on the mainframe.

Existing security policies, such as those established with IBM's RACF or Broadcom's ACF2 or Top Secret, continue to protect your mission-critical data. As a result, customers can safely and more easily migrate high-impact applications to the cloud and distributed platforms — without risking other applications that depend on that same data, and without sacrificing data security.

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Unlock zIIP Eligible Workloads

Lozen enables all this data access in very cost-effective, zIIP-eligible workloads for data transformation and movement — reducing general processing MIPS by up to 98% and improving performance. It complements many approaches, providing simple, transparent access to VSAM and sequential data without the "rip and replace" of existing software investments — leading to lower risk and faster time-to-value implementations.

Flexible, No-Code, Bidirectional Transformation

Lozen gives customers the flexibility to access data wherever they need it in a bidirectional way — regardless of where it's stored. Although the mainframe has unique data formats, Lozen can universally understand them.

For example, if there is simple text you'd like to present to another application as a PDF, you can leverage Lozen's data transformation functionalities to transform that data into a PDF — and it can work the other way, too. Lozen delivers an open-ended approach that can be used for countless data transformation purposes.

A Revolutionary Solution

Whether your needs relate to data access, application migration, data transformation, and more, no other solution surpasses Lozen. Get started today with a 60-day no-cost, risk-free trial.

So — what are you waiting for?
See what Lozen can do for you.

Try Lozen Now

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