

Press Release

LzLabs GmbH • Zürich, Switzerland



LzLabs

software defined mainframe®

Swisscom Moves Entire Mainframe Workload to Software Defined Mainframe in the Cloud

Major telecoms provider switches off mainframe and trusts LzLabs Software Defined Mainframe® (SDM) to run business critical applications.

Zurich, 16 May 2019 – [LzLabs](#) today announced that leading Swiss telecommunications and IT service provider [Swisscom](#), has migrated its entire mainframe workload to the cloud, running on LzLabs Software Defined Mainframe®. With this migration, Swisscom has achieved a landmark in enterprise IT, by moving its business critical legacy mainframe applications and data to its own enterprise cloud infrastructure, without any data reformatting or recompilation of its application program code.

Swisscom achieved approximately 60% IT cost reduction as a result of its journey to entirely phase out its legacy mainframe, which it has now switched off. The business-critical applications migrated - measured at 2500 installed MIPS (million instructions per second) - manage billing, geography and address information and line administration for the provider's entire fixed line network. All workload now runs on Swisscom's own private cloud.

“We turned to LzLabs for two reasons – reducing the high cost of our legacy mainframe, but also a need for greater flexibility in our IT infrastructure that we could not achieve on the mainframe” said Markus Tschumper, Head of General IT Services at Swisscom. “With applications and data migrated unchanged, SDM represented a lower risk path for us to reach this goal” he continued. “We even have plans to offer SDM as a service to our own customers, via our enterprise cloud, so our customers can experience the same benefits”.

SDM is a specialized container technology that provides capabilities for mainframe applications to execute on open systems, with no requirement for recompilation or conversion of data types. SDM provides a runtime environment that supports the necessary functionally-equivalent subsystem APIs to enable transparent execution of the binary

representations of these programs and data. Running in open environments, these applications are more easily integrated with mobile, IoT, cloud and DevOps strategies, and no longer require management by a diminishing mainframe workforce.

Swisscom's successful migration away from its legacy systems is yet another example of the growing demand for flexibility, agility, and cost savings from organizations shackled by their existing mainframe environments. LzLabs continues to provide its customers with a graceful path to modernizing their mainframe environments incrementally, allowing these organizations to harness the power of modern, open, cloud-based technologies and tap into the worldwide open-source talent pool.

"We are delighted to have helped Swisscom on its pioneering IT modernization journey from the legacy mainframe to the cloud" said Thilo Rockmann, Chairman and COO, LzLabs. "We hope the success of this implementation inspires more organizations to take the first step towards open innovation" he continued.

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Information for Editors

About LzLabs

LzLabs is a software company that develops innovative solutions for enterprise computing customers, including the LzLabs Software Defined Mainframe®. The company was founded in 2011 and is headquartered in Zurich, Switzerland.

About Swisscom

Swisscom, Switzerland's leading ICT company is headquartered in Ittigen, Berne. About 20,000 employees generated sales of CHF 11.7 billion in 2018. Swisscom supports regulated financial institutions in digitization. One of the central fields are digital asset services.

About the Software Defined Mainframe®

LzLabs Software Defined Mainframe® enables both Linux and Cloud infrastructure to process thousands of transactions per second, while maintaining enterprise requirements for reliability, scalability, serviceability and security. This software solution faithfully recreates the behavior of the primary online, batch, database and security environments, which enables unrivalled compatibility and exceptional performance, to dramatically reduce IT costs.

About Legacy Applications

With over 70 per cent of commercial transactions occurring on mainframe-based systems¹,

organizations have become dependent on legacy applications stuck behind outdated application programming interfaces (APIs). Historically, these organizations have been forced to abandon compatibility with the mainframe in order to move legacy applications and data to Linux or the cloud. Abandoning compatibility makes migration very difficult as critical data will need to be converted and complex applications must be rewritten or recompiled and tested in a new environment. LzLabs Software Defined Mainframe® protects customers' investment in their business processes by eliminating recompilations of COBOL and PL/I programs, data conversion and complex testing.

LzLabs has developed a managed software container that provides enterprises with a viable way to migrate applications from mainframes onto Linux computers or into cloud environments such as Microsoft's Azure. When legacy application programs are placed into the container, the customers' programs are enhanced to run on modern computers and decades-old APIs are exchanged for newer, more contemporary ones.

LzLabs' software solution allows the executable form of legacy customer mainframe programs to operate without changes and without compromise to performance in a contemporary and cost-effective computing environment and, enables mainframe data to be written and read in its native formats. This new environment works without forcing recompilations of COBOL or PL/I application programs or making complex changes to the applications that support the enterprise business environment.

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