

## Time Machine® Helps Largest Northern European Insurance Company to Containerize and Automate Testing

### *Enabling Testing of Date-Sensitive Offer on “Set Date” for Validity of CRM Campaign Planning*

#### Quote

*“Our teams are happy to have that possibility to use the Time Machine as testing tool and grateful for all help you provide whenever needed.”*

*Product Owner - Project Manager*

*One of the largest European financial companies, offering insurance and pension investments*

#### About Our Customer

One of the largest European financial companies offering insurance and pension investments is a Time Machine customer for 10+ years. Almost one in two citizens of a respective European country is insured with our customer. Our customer is the biggest asset manager in their respective country. Their vision is that people should feel secure in a sustainable world.

#### Challenge: Migration to OpenShift, OS migration from Linux to Windows and implementing new Time Machine products into the infrastructure

Customer reached out to us asking if Time Machine is compatible with OpenShift and we had a demonstration on benefits of Time Machine for Containers (TMCON), followed by the successful POC in just 2 weeks. Their senior engineer planned to time travel one namespace in the OpenShift cluster, with worker nodes of 4 CPU cores, while cluster is shared with other projects. The customer wanted to upgrade to Time Machine Floating License Server (TMFLS) on new Win machine and to automate their testing with Time Machine Sync Server (TMSS), while being in a driving seat of Time Machine Enterprise Management Console (TMEMC). However, the first step would be OS change and migration from Linux to Windows.

Our R&D team already saw a trend with many existing customers having similar setup – containerized cluster on OpenShift and database outside of the cluster. In the case of the customer from this case study, it’s on SQL server. We learned that if there’s a troubleshoot, it’s usually on the database side.

#### The Time Machine Solution

While resolving several DNS and firewall issues with customer’s Infrastructure team, our Senior Engineers optimized the code in the latest Time Machine Sync Server (TMSS) release to exclude extra calls to retrieve PIDs, groups and users from Time Machine Agent. The corresponding calls are now be made only in case if the corresponding objects are included to the target rule list. Now, the customer achieves 100% true test automation and agile integration with Time Machine Sync Server (TMSS) via HTTP API.

The customer also decided to upgrade to Time Machine Floating License Server (TMFLS) to be able to reuse existing Time Machine licenses to run testing on OpenShift on premise. Pool of license units can be hosted on a TMFLS, which will be checked out automatically when Time Machine service starts on a system where it is installed and released once the service stops.

## About Solution-Soft

Solution-Soft is the leader in virtual clock, time shift testing software solutions for the ever-changing digital world. Our flagship and market proven product, Time Machine, opened up brand new possibilities in the application testing landscape upon its release in 1997. Today, thousands of applications have been tested with Time Machine, and IT professionals recognize that using a virtual clock is the ideal and safest way to conduct date and time testing. As pioneer in our field, we've created the Time Machine Product Suite and Time Machine for Container, a collection of cutting-edge testing software that augment Time Machine to further streamline enterprise cloud initiatives, containerization, micro services, and IT modernization for end-to-end integration testing, cloud migration, test automation, Agile/DevOps, Continuous Operation, and Test Data Management.

We proudly provide our 2000+ domestic and international customers, including 47 of Fortune 100 companies, with our advanced solutions to optimize their testing and help deliver projects on-time. Solution-Soft's customers are across all market sectors including 3M, AMEX, AIG, Australia Tax Office, BBC, Boeing, British Gas, Covered California, Dept of Works & Pension, Deutsche Bank, Discover, FedEx, Federal Reserve Bank, Orange, National Australia Bank, SNCF, and Zurich Insurance. We bolster our market presence through robust partnerships with companies including Accenture, Capgemini, DXC, HPE, IBM, Infosys, Microsoft, Oracle, Red Hat, and RedMane.

Founded in 1993, Solution-Soft is privately held and based in Santa Clara, CA.

After optimizing test automation and licensing, the customer decided to remotely configure, manage and monitor virtual time on any Time Machine system in their environment - from a single Time Machine Management Console (TMEMC).

Finally, it is hard to imagine a DevOps CI/CD pipeline without containers nowadays. Today, our customer streamlines containerized projects at container level, without a need to involve system admins to change system clocks.

According to the customer's Product Owner, their Senior Architect and Project Managers, without Time Machine and new features, their migration plan would be impossible in reasonable amount of time.

## Contact

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