

## Time Machine® helps State of Northern Carolina DHHS on the IBM Cúram based and highly acclaimed NC Fast Program

### Quote

*“We went with Time Machine (to solve issue with time shift testing scripts) and it has been working very well for us. We have the ability to change the date/time across all the components specific to an environment. Executing time/shifts, troubleshooting issues, deployments etc. has been very smooth. We are currently using Time Machine in three Test Environments and one Development Environment, and are very happy with the current setup.”*

### Dan Kumar

NC DHHS Release Architect

Saving immeasurable time and expense in testing, deployments, development, and operations.

### About NC FAST

North Carolina Families Accessing Services through Technology (NC FAST) is a program designed to improve the way the NC Department of Health and Human Services (DHHS) and county departments of social services do business. NC FAST introduces new technological tools and business processes that will enable workers to spend less time on administrative tasks and more time assisting families

### Challenge

A major challenge for the team was testing all the date and time sensitive events in a social management system. A typical environment involves a web server, an application server, an XML server, a job scheduler, a database server, a message broker. Many of their applications are based on the IBM Cúram Social Services Platform. All of the test environments and development environments share the same physical hardware at their respective tiers - meaning multiple instances of web servers running on a single AIX LPAR, multiple application server profiles running on a single AIX LPAR, etc. They felt this kind of setup helped them quickly setup multiple environments and was also cost effective.

However, one of the challenges this environment configuration introduced was how do they execute all the time-based testing scripts? The initial approach was to change the system date/time on the application server LPAR. This change affected all the application server instances running on the LPAR. This caused problems for their testing teams and for their IT team who manages the server at the OS level.

### Time Machine Solution

Dan Kumar, NC DHHS Release Architect, said, “We went with Time Machine (to solve an issue with time shift testing scripts) and it has been working very well for us. We have the ability to change the date/time across all the components specific to an environment. Executing time/shifts, troubleshooting issues, deployments etc. has been very smooth. We are currently using Time Machine in three Test Environments and one Development Environment, and are very happy with the current setup.”

The NC DHHS’ use of Time Machine began with a need to test the NC FAST Food Stamp program applications for future time sensitive events, and has now expanded to multiple other programs falling under NC FAST, including Medicaid and the states’ Eligibility Information Systems, the latter to satisfy the federal Affordable Care Act (ACA) requirements.

## About Solution-Soft

Solution-Soft is the leader in virtual clock, time travel testing software solutions for the ever changing digital world. Our 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 for time shift needs, and IT professionals recognize that using a virtual clock is the ideal and safest way to conduct date and time testing. As a pioneer in our field, we've created the Time Machine Product Suite, a collection of cutting-edge testing softwares that augment Time Machine to further streamline enterprise cloud initiatives and IT simplification. The product suite offers a complete solution for end-to-end application testing, cloud migration, test automation, agile DevOP, Continuous Operation, and Test Data Management.

We proudly provide our 2000+ domestic and international customers, including 47 of Fortune 100 companies, 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, Australia Tax Office, BBC, Boeing, British Gas, Covered California, Discover, Fed Ex, Federal Reserve Bank, Orange, National Australia Bank, SNCF France, and Zurich Insurance. We bolster our market presence through robust partnerships with companies including Accenture, Alstom, Capgemini, Citrix, Delphix, DXC, FICO, HPE, IBM, Microsoft, Oracle, Red Hat and SAP.

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

## Contact

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North Carolina's initial proof of concept of Time Machine in late 2012 came upon the recommendation of their solution integrator partner, Accenture, who worked side-by-side with state personnel on all aspects of the NC FAST implementation including design, development, testing, architecture/infrastructure and more. Since February, 2013, NC DHHS have been a happy and active Time Machine customer. NC FAST project team members familiar with Time Machine have since recommended Time Machine to a number of other states for their IBM Cúram based projects—and who have since become satisfied Time Machine customers themselves.