



# Automated Testing

## Rulesware Automated Testing Services

Because your Pega Rules Process Commander (PRPC) applications will need to change as your strategy, and/or market conditions dictate, the ability to ensure rule changes are working as they should becomes paramount to leveraging the advantages of your PRPC application. Manual testing of a PRPC application is wrought with drawbacks. Even standard automated testing solutions run into significant difficulty when utilized with PRPC applications. Rulesware Testing Services (RTS) are a PRPC specific automated testing solution that out performs manual or standard automated testing approaches.

## Why not test manually?

Manual testing is time-consuming and tedious, requiring a heavy investment in human resources. Worst of all, time and resource constraints often make it impossible to manually test every feature thoroughly before the software is released leaving the opportunity for serious bugs to go undetected. RTS addresses these problems by dramatically speeding up the testing process. Rulesware can create test scripts that check all aspects of your application, and then run these tests on each new build. As the automated testing runs, it simulates a human user by accessing UI elements, moving the mouse cursor over the application, clicking Graphical User Interface (GUI) objects, and entering keyboard input. By performing these actions more quickly and consistently than a human user, RTS rapidly and thoroughly performs your regression testing.

## What is so special about the Rulesware approach?

Standard automated testing solutions run into serious roadblocks when used with PRPC applications. Due to the dynamic way that PRPC names controls based upon the work object ID (pyID), the assignment and the status of the object, standard automated testing suites will not work. Rulesware has developed a solution for addressing the testing difficulties inherent in this unique PRPC naming structure so that actual automation can be achieved. Complete with a pre-built base library of PRPC controls, RTS is ready to leverage experience and expertise to expedite your testing needs.

## What are the advantages of using Rulesware Automated Testing Services?

Follows are a few of the advantages gained through the use of RTS.

- ❖ **PRPC Customized** Rulesware has extensive experience with PRPC and have customized a testing solution that can reference PRPC's unique naming conventions.

- ❖ **Fast** Tests execute significantly faster than human users can test thereby reducing the duration of testing cycles.
- ❖ **Reliable** Tests execute precisely the same operations each time they are run, thereby eliminating the risk of human error.
- ❖ **Repeatable** You can test how the software reacts under repeated execution of the same operations.
- ❖ **Programmable** Sophisticated logic and actions can be incorporated into tests which introduces information from the application which is not typically apparent in human testing.
- ❖ **Comprehensive** A suite of tests can be built that covers every feature in your application.
- ❖ **Reusable** Tests can be reused on different versions of an application, thereby assembling a regression testing strategy.
- ❖ **Transferable** Rulesware can work alongside your staff and train your QA team to use RTS so that, if you prefer, you can leverage your own resources.

## How do we get started using Rulesware Testing Services?

If you are looking for a comprehensive and effective automated testing solution for your PRPC application development, then call 847-325-5740 or email [info@rulesware.com](mailto:info@rulesware.com) today.

## Who is Rulesware?

Rulesware LLC is a privately held firm founded in 2004 with headquarters in Chicago, IL. It is an organization of highly proficient thought leaders who enable agile business process through the implementation of BPM technology. The Rulesware commitment to excellence is founded on their mission to leverage primary strengths in every BPM engagement: industry-leading technical knowledge, agile management approach, and comprehensive methodology provide the basis for the delivery of leading-edge solutions and outstanding client service.

Rulesware offers a comprehensive service catalog for the implementation of robust BPM solutions. No matter how complex your BPM needs are, Rulesware has the experience and expertise to deliver your BPM solution. They also move beyond providing top-notch services by seeking to partner with clients in such a way to ensure the establishment of meaningful and productive relationships.