



Client Overview

- Energy solutions provider with solar leasing and clean electricity supply business models



Business Requirements

- The application is a next generation solution for sustaining energy deployed in web portal and mobile
- Test the consumer web portal and mobile app for registering / signing up allowing 10000 users a month
- The portal scenarios would have 1-5 concurrent users on an average and would go up to 100 on edge case
- Perform Load and Performance testing to achieve optimum response times



Our Solutions

- Analyzed business scenarios and created customized test scripts for Jmeter load test
- Validated web and mobile application for 100 concurrent users at given time
- Conducted various database volume tests with 25 concurrent users
- Created load test environments similar to production environments
- Provided comprehensive reports



Tools

- Jmeter 5.0

Engagement

- 1 Test Lead
1 Test Engineer
1 Month for 2 rounds of load and volume testing



Business Impact

- Achieved 3-4 second response time for loading the portal page and saving records
- Achieved seamless tab transition
- Optimized Web and Database servers memory and CPU usage and response times



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