Optimize your testing environment real time using CloudGen Automated Test Engine

CloudGen Automated Test Engine (CATE) is an automated testing framework, purpose built for webMethods Platform that targets execution of service level unit testing and end-to-end test scenarios. CATE promotes implementing Test Driven Development (TDD) and Continuous Integration (CI).

**Editions:**

- **CATE ENTERPRISE EDITION (CATE EE)**
- **CATE DEVELOPER EDITION (CATE DE)**

### Key Benefits

- Eliminate project delays
- Enhance code quality and testing
- Enable continuous integration
- Simplify upgrades & migrations
- Significant cost reduction of webMethods ownership
- Provides control and predictability to the testing process

### Approach

- Test cases used to certify builds and deployments
- Test cases integrated with code development and quality assurance lifecycle
- Promote TDD by specifying test cases before writing code
- Promote CI to test consistently with patterns based test case scenarios
- Supports all standard protocols

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CloudGen Automated Test Engine Enterprise Edition (CATE EE) executes end-to-end test scenarios, documents test scenarios, calls services via standard protocols and captures & validates the response. CATE EE promotes implementing robust black box testing and continuous integration.

**Key Features**

- Simple automation services to retrieve test automation configurations easily
- 3rd party test tooling integration support
  - Provides JMeter and SoapUI test script runner
  - Lightweight automation engine
- Few dependencies and custom functionality via pluggable execution
- Continuous Integration (CI)
  - Jenkins, ABE, SCM (SVN, GIT etc)
- Chaining of test cases
- Process steps mocking
- Reports
- Load testing
- Supports multiple platforms

With CATE EE, you can execute end-to-end test scenarios, register/unregister services and plugin external modules.

CloudGen Automated Test Engine Developer Edition (CATE DE) is a service unit testing framework that plays a part in all stages of the development lifecycle. CATE DE promotes implementing test driven development methodology and continuous integration.

**Key Features**

- Built into Designer / Eclipse
- Code Coverage
  - For a given set of tests, track which lines of a FLOW service have been executed/tested
- Service Mocking
- Emulate responses from databases, ERPs, SaaS providers, etc.
- Positive and Negative testing with Expected Results and/or Exceptions
- Service unit testing with service in/out introspection
- Service execution with Invoke Interception
- Pipeline Capture and Use (Import & Save testing data)
- Reports
- Supports multiple platforms

With CATE Developer Edition, you can execute service level unit testing with service mocking, invoke interception and pipeline capture & reuse.