

Automation Services

Software Development Lifecycle - Automated

Today's software development lifecycles promote agility and iterative approaches over traditional frameworks that tended to structure processes sequentially.

Coupled with modern technologies such as SOA, JEE and device-independent UIs, the adoption of agile methods poses significant challenges for most organisations.

While the promise is high quality software delivered rapidly, the reality is that to achieve this you must be set up to succeed.

Improve quality, deliver it fast

In order to get software to your customers quickly, you have to be able to deploy it, test it and implement it into production in a consistent, and accurate manner. Too often, "hard to find" errors in software packaging, operating system configuration and application configurations get in the way of achieving fast time to market.

A critical success factor in software delivery is automation of your key processes in software build, environment configuration, deployment and management.

The Odecee Build Pipeline Toolkit is a framework for

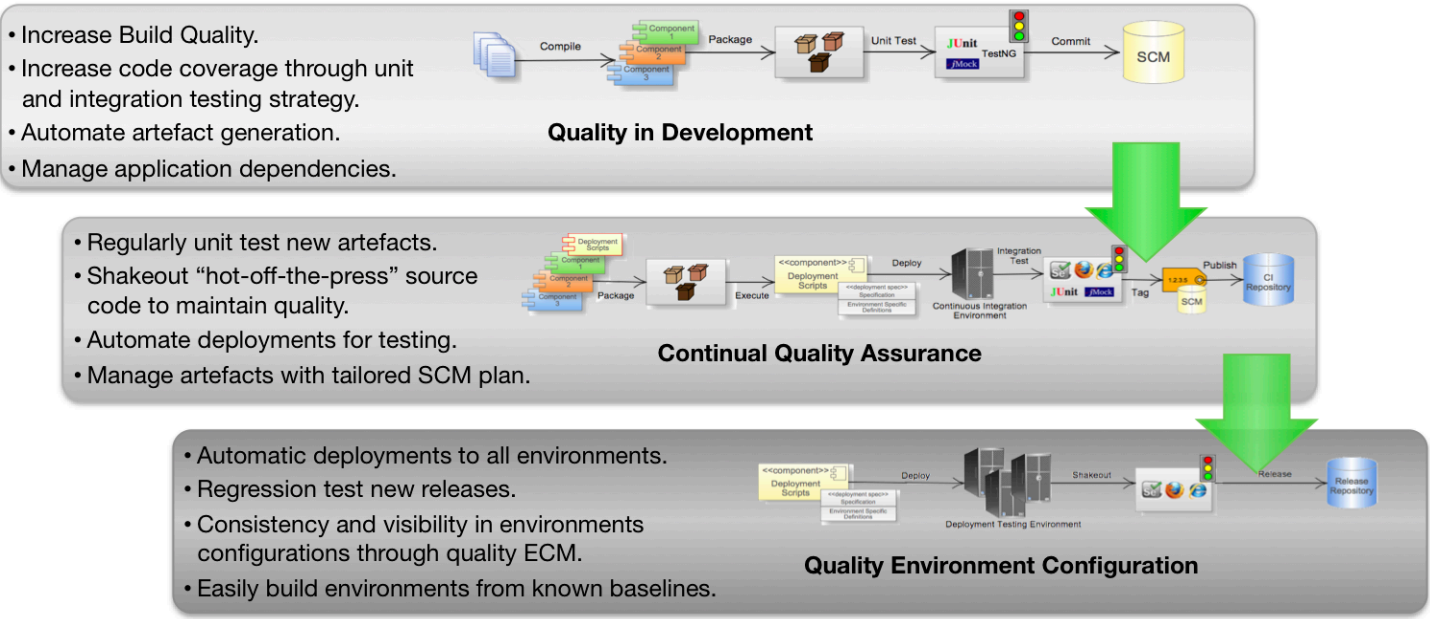
automating the configuration, build & deployment process. It manages testing and verification of software artefacts delivered by your development teams and ensures that all built, packaged and deployed artefacts are repeatedly tested for QA purposes.



The Toolkit includes a pre-built set of Automation Adapters and Automation Processes that are specifically tuned to support web servers, process servers, application servers and databases. Our Toolkit is readily integrated into your SDLC and is monitored, enterprise wide, through our real-time dashboard.

Tooling integration

Odecee's Build Pipeline can be deployed with open-source for low cost solutions or commercial tooling such as IBM Rational's change and release management offerings for enterprise-class automation.



Odecee automation services can be used to deliver a framework for processes, SDLC phases and build cycles, which will improve your environment and development planning, lower costs and increase quality. Reliability, predictability and overall quality of your SDLC are vastly improved through effective source code and environment configuration management, automating artefact creation and deployments.

Software that works

Odecee's **automation** framework delivers an end-to-end solution for software quality, environment and artefact management.

The Build Pipeline is a clearly defined set of actions and stages applied to software artefact creation – compilation, packaging, unit testing, source versioning/control, deployment, integration testing, tagging and publishing to an artefact repository.

Deployment Automation

Our Build Pipeline Toolkit provides a rapid automated deployment solution for your program. Coupled with our team's experience and expertise in distributed systems, JEE and application server technologies, we can enable the right Automation Adapters and Processes to suit your specific needs and technology choices.



Environment Configuration Management

Consistency in environment configurations is a difficult to achieve. Manual configuration methods often lead to unknown environment configuration states which are difficult to diagnose and costly to repair.

A comprehensive method and pattern for Environment Configuration will ensure your environments are configured in a consistent and traceable manner.

We achieve this through effective dependency management, templating, tooling and version- controlled configurations.

Continuous Testing

"Working software" can only be achieved through a rigorous quality assurance



Our Build Pipeline Toolkit provides a framework for unit, integration & shakeout tests, a set of API's to increase developer testing efficiency and a repeatable and pragmatic approach to development testing.

Armed with our toolkit, our Build Engineers can monitor the quality of software artefacts through frequent testing and automated deployments.

Build Engineering

Odecee Build Engineers are specialised resources that champion and maintain the environment configuration and artefact quality process.

By leveraging the necessary technologies and tooling – both commercial and open-source - our Build Engineers will design, script, deploy and configure software, packages and test software artefacts.

Continuous Quality Monitoring

As the various milestones of the Build Pipeline are executed, our Build Quality Monitor tracks and reports the results of the milestone achievements in real time.

This provides the delivery management team with continuous and timely visibility of the quality process.



This way, quality can be trended over time, highlighting areas of improvement early in the life cycle.

This is truly the realisation of "working software".

Contact us to discuss how automation can realise real benefits in your SDLC.

Fast, Simple, Software

Company Profile

Headquarters
Melbourne, Australia

Founded
2007

Company Description
Odecee is a software engineering consultancy specialising in enterprise-grade software delivery via three core service offerings – enterprise software **Construction**, **Performance** engineering, and environment management & build **Automation**.

Our services and agile techniques are world's best practice and optimised for delivery of business solutions using IBM Rational's software development platform and the IBM WebSphere solution stack.

Simplicity
ExpertTeams
Wow! Experience



HP Software
Silver Business Partner

