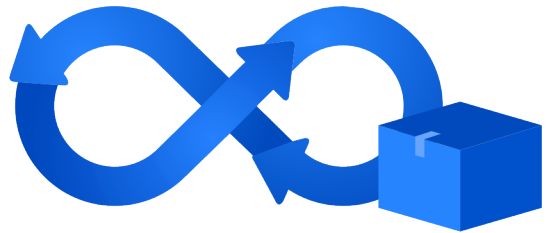


## Adanto accelerates client's ROI - Rate of Innovation

**Adanto DevOps Services deploys a powerful, Cross-Project Cloud Integration Platform (CP-CIP) for the large Silicon Valley Enterprise Software Innovation Lab enabling continuous, asynchronous releases of multiple, unrelated software projects built in the same cloud infrastructure.**

As organizations move beyond their initial cloud deployments, they're recognizing the increasing need to easily **integrate data and multiple development processes** between the **cloud** and their **on-premise databases and applications** in an easier, continuous and more automated fashion. Since **migration and integration** together make up the **second-largest cloud computing pain point** cited by many today, **Adanto DevOps Team** has been asked to address one Silicon Valley's client **R&D Software Innovation Lab's** challenge of simplifying development work and deployment of multiple, concurrent cloud Projects at the same time. Adanto named it a **Cross-Project Cloud Integration Platform (CP-CIP)** and deployed in the AWS cloud environment.



### The Challenges:

The client has exhibited growing need for increasing number of software releases of increasing number of unrelated projects being built using different programming languages and by very different teams, but using common cloud infrastructure, shared services and on-premise databases. These silo Projects were implemented separately but were very dependent on the same assumed state of the common infrastructure. Unfortunately, that software development and release architecture did not allow for Information Interoperability between Projects. Lack of sharing across Projects important changes in the underlying Infrastructure state has caused countless of software errors, frustration of software developers, additional extensive testing and software patch work, as well as severe Data Center outages causing thousands of unsatisfied business application users.



## The Objectives:

- Raise warning when new projects or changes will affect functionality of other project
- Lower the number of errors during the implementation phase by automated tests
- Lower the cost of development and tests with automated tests
- Eliminate risk of errors caused by the new projects deployed in the production environment

## The Solution:

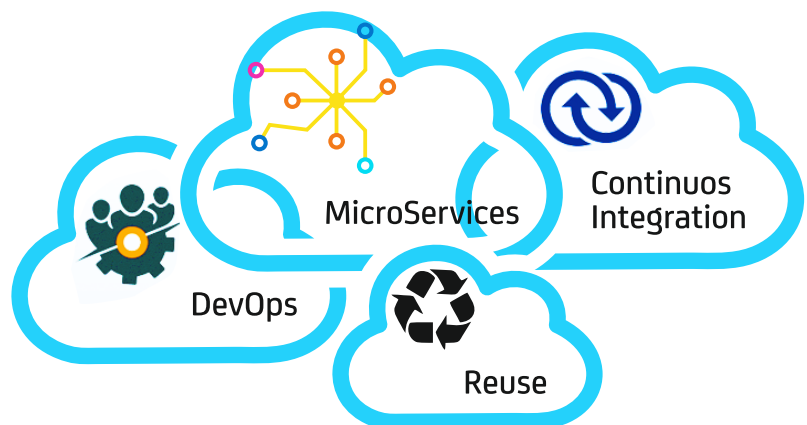
- Automated scripts creating project related infrastructure on demand (when testing)
- Introduced automated cross-project integration tests during implementation phase and also retrofit tests of all related projects already deployed on production
- Introduced automated and stable platform for continuous integration.
- Introduced extended monitoring of undergoing development with error alerts
- Schedule and trigger based scripts that are building environments, projects and finally running the tests

## Metrics:

- Source of projects from 3 different version control systems
- 13 silo projects integrated in one

## Technologies used:

- AWS AMI (Amazon Machine Images)
- AWS EC2 (Elastic Compute Cloud)
- AWS S3 (Simple Storage Service)
- AWS CloudFormation
- AWS Cloudwatch
- AWS CLI (Command Line Interface)
- Jenkins Continuous Integration
- Sonarqube
- Maven
- Nexus
- HashiCorp Packer
- Bash scripting
- PowerShell
- Chef (Infrastructure Automation)
- RabbitMQ
- HA Cluster
- Angular, Python, Java, NodeJS, Drupal,
- Unix,
- Git, Bitbucket, SVN,
- Slack – notification of an error for configured groups



# Adanto Professional Services

“We help our clients - from start-ups to large enterprises - deliver **web-based, mobile & cloud-based** apps, accelerating time-to-market & improving the quality, usability and agility of their digital IT.”

Michael Kinalski  
CEO, Adanto Software LLC

Adanto Professional Services help organizations create sophisticated, enterprise-class software solutions and harness full potential of emerging technology trends to:

- **Improve delivery quality** across the application portfolio, from mobile to cloud to Web to packaged software, through standardized architectures and tools.
- **Increase predictability** through standardized confirmation and transition points, deliverable templates and workflows.
- **Optimize delivery cost** through an optimal mix of resources.
- **Enhance User Experience** with very latest mobile and web technologies.

Adanto Professional Services address unique challenges that every business or IT department is faced with today. It provides a full lifecycle of custom software development on the Java, .Net or Open Source platform, including broad Web and application development solutions and those enabling portal and content management.

Adanto Professional Services include overall project management, planning, requirements analysis, technical architecture, design, build, test, deployment post launch free support, and fee-based extended service.

We offer Java, Javascript, .Net/C#, C/C++, R, PHP, Python, Ruby, Perl, Pig, Hive, HBase, Spark, and other languages pervasively used in a wide range of technology-based solutions especially: mobile, UX/CX, cloud and Web.



accelerate your IT with Adanto

Services • Technology • Solutions

## About Adanto

Adanto is an emerging global software services and solutions company, incorporated in Delaware, serving clients in the EU and the USA from its five global locations.

Combining vast experience with comprehensive capabilities across many technologies, industries and business functions, Adanto collaborates with clients to **accelerate their innovation** and help them become **high-performance digital businesses**.

[www.adanto.com](http://www.adanto.com)  
+1 (888) 774-6647

**adanto**  
s o f t w a r e

To find out more about Adanto and how to best harness Adanto Professional Services on your quest to accelerate innovation, please contact:

In USA:  
Michael Kinalski  
+1 208 841 6598  
[michael.kinalski@adanto.com](mailto:michael.kinalski@adanto.com)

In UK:  
Alexander Hill  
+44 (0) 781 806 8861  
[alexander.hill@adanto.uk](mailto:alexander.hill@adanto.uk)

In Poland:  
Grzegorz Szutkiewicz  
+48 692 455 214  
[grzegorz.szutkiewicz@adanto.com](mailto:grzegorz.szutkiewicz@adanto.com)