AppFlash

DEVOPS PLATFORM

actifio®

PURESTORAGE®

The AppFlash DevOps Platform

Actifio and Pure Storage Accelerating Test Data Management

INTRODUCTION TO ENVIRONMENT, CHALLENGES

Today's business imperative is to move faster, and most organizations recognize that applications are the accelerant. By developing new, innovative ways to engage customers, introduce new offerings, analyze trends, and enhance sales, new business applications can mean the difference between market winners and losers. Within IT, at least 60% of enterprises are looking to leverage DevOps to drive that greater agility and time to market, according to IDC.

The requirements for a fully functioning DevOps platform include:

- Rapid data provisioning and refresh, regardless of data/DB size
- Automated data security via masking / obfuscation
- Ability to parallelize development and test for continuous development, integration
- Ability to integrate via native API into broader tool ecosystem (Github, Jenkins, Puppet, etc.)
- Application consistent point-in-time DB instances—both current and historical
- DBA/developer self-service

However, challenges remain in efficient automation to support the full DevOps lifecycle. Over-provisioned storage capacity, slow data access, manual, time-intensive processes, and risky co-mingling of production and non-production workloads are the hallmark of many enterprise data environments. Traditional storage and data management processes and tools are not suited to the demands of faster development cycles, larger data payloads, and greater concurrency to support continuous development and testing. Challenges also exist in the delivery on service-levels for business-critical applications, particularly in Oracle environments—storage is not keeping pace with the throughput and latency requirements of today's business-critical applications.

IMPLICATIONS

Businesses who fail to successfully implement DevOps initiatives risk falling behind existing competitors and new entrants. The impact is felt in time to market, revenue growth, customer satisfaction, and ultimately customer retention. To IT, escalating costs of legacy infrastructure and supporting operations lead to under-investment in innovation. And the inability to drive greater parallelism in development and test can lead to project delays and costly defects. Also, as an internal service provider, the speed and quality of service delivery is under scrutiny, and is compared (fairly or unfairly) with public-cloud providers.

SOLUTION DESCRIPTION

Actifio and Pure Storage have developed the AppFlash DevOps Platform, a pre-validated solution enabling secure self-service to hundreds of concurrent dev/QA/test hosts, managing multi-TB-sized workloads, instantly. The combination of the leading copy data virtualization platform and Pure's All-Flash Array, in three pre-tested configurations, deploys rapidly, delivering time to value back to the business in days. The result is an automated, agile data management platform built on a foundation of secure self-service, instant provisioning, and lower costs.

AppFlash Devops Platform

PRE-TESTED CONFIGURATIONS

SMALL/DEPARTMENTAL WORKLOADS
UP TO 10TB

DEVOPS PLATFORM 10

LARGER CAPACITY WORKLOADS
UP TO 20TB

DEVOPS PLATFORM 20

ENTERPRISE WORKLOADS
UP TO 40TB

DEVOPS PLATFORM 40

BENEFITS OF SOLUTION—TIME, COST, RISK, AND QUALITY

The AppFlash DevOps Platform accelerates the provisioning and refresh of development and test data, regardless of data size, to assist organizations move towards continuous development and test. In addition, the platform delivers cost-effective resiliency and dramatic performance improvements in Oracle ASM environments running on legacy storage infrastructure.

BENEFIT—COST-EFFECTIVE PERFORMANCE AND RESILIENCY

Due to the high-performance/low-latency design of the underlying Pure Storage All-Flash Array, the AppFlash DevOps Platform can support large numbers of concurrent developers and testers, with a solution that can be more cost effective ($/user) than even disk. In addition, by optionally redirecting production load to an alternate ASM disk group, in Oracle environments, the Platform also improves application performance while delivering enhanced resiliency.

BENEFIT—RAPID, SPACE-EFFICIENT DATA PROVISIONING / REFRESH

The AppFlash DevOps Platform provisions full, read-write virtual copies — in their native format —instead of creating separate physical copies, dramatically reducing storage costs, without compromising performance or usability. These virtual copies can be accessed in seconds, regardless of data size, thanks to Actifio's patented copy data virtualization technology.

BENEFIT—DEVELOPER / DBA SELF-SERVICE

The AppFlash DevOps Platform enables every global user or team in the development and QA process to access virtual copies of production data instantly. More importantly, a central administrator of the DevOps Platform can leverage roles-based access control to specific which users can access what copies from select hosts. Additionally, the administrator can specify sophisticated workflows —like data masking operation(s) — that will be triggered automatically before presenting data.

BENEFIT—CONTINUOUS DEVELOPMENT / INTEGRATION ENABLER

The AppFlash DevOps Platform is supported by a full RESTful API, allowing seamless integration with a broad ecosystem of tools and platforms —from continuous integration and test, to configuration management and orchestration. In addition, a rich API means the Platform can be quickly accessed via an existing ITSM framework or developer portal.
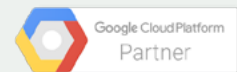
SUMMARY

In today's economy, building higher quality applications faster can mean the difference between winning and losing in a given market. The ability to rapidly provision and refresh application data to developers and testers, regardless of its size, can be a significant competitive advantage. The AppFlash DevOps Platform, from Actifio and Pure Storage, is purpose-built to deliver that advantage, and help move your business faster.

About Actifio

Actifio virtualizes the data that's the lifeblood of businesses in more than 30 countries around the world. Its Virtual Data Pipeline™ technology enables businesses to manage, access, and protect their data faster, more efficiently, and more simply by decoupling data from physical storage, much the same way a hypervisor decouples compute from physical servers. For enterprise-class backup modernization, self-serve instant data access, or service provider business transformation, Actifio is the first and only enterprise class copy data virtualization platform.

For more information, on how Actifio can help you build higher quality applications faster, improve business resiliency and availability, and enable your enterprise hybrid cloud, please visit Actifio at **www.actifio.com** or contact Actifio at **info@actifio.com** or **855.886.8997**.

About Pure Storage

Pure Storage (NYSE:PSTG) helps companies push the boundaries of what's possible. The company's all-flash based technology, combined with its customer-friendly business model, drives business and IT transformation with Smart Storage that is effortless, efficient and evergreen. Pure Storage offers two flagship products: FlashArray//m, optimized for structured workloads, and FlashBlade, ideal for unstructured data. With Pure's industry leading Satmetrix-certified NPS score of 83.5, Pure customers are some of the happiest in the world, and includes organizations of all sizes, across an ever-expanding range of industries.

actifio.com

WORLD HEADQUARTERS

Actifio, Inc.
333 Wyman Street
Waltham, MA 02451 USA
P +1.855.886.8997
E info@actifio.com

INDIA DEVELOPMENT CENTER

Actifio Technologies (I) Pvt. Ltd.
Level 5, Wing 1-B, D Block, Cyber Gateway
Software Units Layout, Madhapur
Hyderabad—500081, A.P., India
P +91.40.66501030

AUSTRALIA/NEW ZEALAND

Actifio ANZ Pty. Ltd.
Level 14, 309 Kent Street
Sydney NSW 2000
P +61 1300 ACTIFIO
     +61 1300 2284346
F +61 2 9994 8008
E ANZinfo@actifio.com

KOREA

Actifio Korea, Inc.
Level 5, U-Space 2A
670 Daewang Pangyo-Ro
Sampyung-dong, Bundang-gu
Seongnam-si, Gyunggi-do
P +82-31-628-6170
F +82-31-628-6179

GERMANY

Actifio GmbH
Herriotstraße 1
D-60528 Frankfurt
P +49 (69) 677 33 558

ISRAEL

Actifio M.E. Ltd.
Ayalon House, 16th Floor
12 Abba Hillel Street
Ramat-Gan 52136, Israel
P +972 3 754 1274
F +972 3 754 1100

JAPAN

Actifio Japan K.K.
201 BUREX Kojimachi
3-5-2 Kojimachi, Chiyoda-ku
Tokyo 102-0083
P +81-3-6272-5233

NETHERLANDS

Actifio, Inc.
Dr. Lelykade 22a
PO Box 84037
2508 AA Den Haag
P +31 (70) 416 17 56

UNITED KINGDOM

Actifio, Ltd.
16 St Martin's Le Grand, St Paul's
London, EC1A 4EN
P 0203 551 2559
F +44 (0) 207 956 2001
E info@actifio.com

actifio | **PURE**STORAGE