★macy's

INDUSTRY
Retail

LOCATIONS
HQ: Cincinnati, Ohio

URL
www.macys.com

Company Overview

Macy's Inc., commonly known as Macy's, is one of the premier retailers in the United States. The company operates two divisions: Macy's and Bloomingdale's. Macy's operates approximately 690 department stores and more than 170 specialty stores for Bloomingdale's The Outlet, Bluemercury, Macy's Backstage and STORY in 44 states, the District of Columbia, Guam and Puerto Rico along with its online retail presence (e-commerce) via macys.com and bloomingdales.com.

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❯ Business Challenges:

Macy's Inc. wanted to improve their customer shopping experience by implementing multiple initiatives, features and experiments that were personalized and localized to specific markets for both its retail and online customers. The business had an increased need for parallel development, delivery, integration and advance testing in multiple simulated environments to increase the time to value for its customers.

❯ The Deliverables:

› Migrate the vast and tightly coupled monolith architecture
› Move away from the prevailing 'block and reserve' approach due to limited pool of shared environment resources
› Organize release management requirements for ticket creations, approvals and deployment intervals
› Implement a wider technology stack across portfolio of applications in a multi-vendor environment

Project Goal

To design and implement a strategy to align with the vision of continuous delivery and deployment of business features while quickly incorporating feedback from multiple environments and providing visibility at all levels of the company.

❖❖ OSI Digital

◉ The Solution:

As part of the solution, OSI Digital provided an industry leading standard set of tools, including Jenkins, Chef, Selenium, Maven, UDeploy, Artifactory, JIRA, GIT, and Google Cloud.

› Migrated existing monolith application to modularized micros services

› Implemented continuous integration and delivery using Jenkins and Artifactory for a streamlined, standardized and automated pipeline process which was not possible before

› Implemented continuous test automation and static code analysis techniques for faster feedback and for maintaining coding standards

› Implemented release automation with fewer deployment errors and auditability with clear reporting for all

› Built and implemented workflow management for orchestration and provisioning to build a standardized, reproducible configuration and scaling for environments using UDeploy

› Developed infrastructure to support multiple releases being deployed in multiple environments with visibility at all levels making the path to production at a faster clip

› Designed and implemented a wrapper tool which includes a Trigger Workflow engine, Pipeline Management Engine, Stage Management, Deployment Management, Environment Management and Notifications for visibility and feedback across all levels.

◉ Results:

› Reduced production deployment intervals from 4 months to 15 days

› Centralized control over build, infrastructure and deployment with faster feedback

› Achieved 99.9% SLA through automation and standardization with the same workforce and allowed the client to scale up the number of releases

› Enabled the client to scale up the number of successful releases

› Reduced deployment timeframe

› Eliminated manual errors

› Lowered overhead costs and contributed to a higher rate of return on IT investment

Let's Get Started
OSI Digital can help optimize performance and enable data-driven outcomes for your business with our DevOps as a Service solution. Email info@osidigital.com or call our Sales Team at 818.992.2700.

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About OSI Digital

OSI Digital, Inc., (formerly OSI Consulting, Inc.) provides purpose-built business and technology solutions that optimize performance to enable data-driven outcomes for our customers. OSI accelerates digital transformation by offering integrated solutions that capture, secure, integrate, analyze and optimize data. Our services include the design, development, and implementation of new solutions as well as the ongoing management, enhancement and support of our customers' existing business systems.

OSI Digital was founded in 1993, in California and has since expanded to a team of over 1,400 employees worldwide. We have offices in the US, Canada, Philippines, Dubai and India. Our main offshore delivery center of excellence is located at our state-of-the-art campus in Hyderabad, India, with additional locations in Chennai, Delhi and Bangalore. For over 25 years, we have supported a diverse portfolio of customers across various industries, including: Software & Business Services, Financial Services, Life Sciences & Healthcare, Manufacturing, Energy, Retail and Agriculture.

Our client base ranges from start-ups to Fortune 500 corporations, including: Exelon, GE, Hyundai, Toyota, Gilead, Allergan, Yamaha, Gap and Skechers. OSI Digital has developed strong partner alliances with the world's leading technology providers such as Tableau, Salesforce, Oracle, Microsoft, GE, Amazon Web Services, Dell Boomi and Red Hat.

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