

WE GET THAT MODERN SOFTWARE DEVELOPMENT CAN TRANSFORM YOUR ORGANIZATION.




CDW Amplified™ App Modernization and Software Engineering Practice



At CDW we understand that growing technical debt in your application stacks and software delivery processes can bring your organization to a halt, impeding your ability to go to market in today's competitive digital landscape. Balancing product backlog with application modernization needs is a struggle most customers face, especially with limited technical resources.

Our Application Modernization and Software Engineering Practice have the expertise in modern software development and delivery that you need. We help you with the rapid adoption of distributed systems architectures, including migration and creation of microservices, and serverless frameworks leveraging the latest cloud-native patterns and tooling. We provide custom UI or API development for web, mobile and IoT solutions, and combined with our Infrastructure Automation and Cloud Practices, we provide full-stack application modernization capabilities that are unrivaled in the industry.

CDW's Amplified App Modernization and Software Engineering Practice can help you achieve:

 **Agility**
 **Revenue Enhancement**
 **Faster Innovation**

Orchestrating the Right Solution

CDW doesn't just ship code like traditional software development shops. We use industry best practices like Agile/SCRUM and DevOps/SRE concepts to organize and deliver our work products, leaving behind valuable incremental improvements across multiple areas:

- **App Modernization:** CDW rapidly refactors and/or replatforms your applications to support modern cloud-native patterns and infrastructure services. We remove the technical debts that are often barriers to scale, letting your development experts focus on customer-relevant outcomes, while reducing your infrastructure costs and overall time to market.
- **App Containerization:** Our software engineers containerize your applications for scalability and resiliency, and integrate build processes into DevOps pipelines for velocity through automation.
- **Monolith to Microservice:** The need to dynamically scale applications and distribute them across multiple public or private cloud platforms is not possible with legacy monoliths that are brittle, hard to manage and cannot scale or iterate at the speed your organization requires. This can mean the difference between success and failure in today's market. CDW provides the resources and experience required to migrate enterprise applications to microservice-based architectures – transforming your software delivery lifecycle and digital go to market.
- **PaaS Strategies:** PaaS platforms can provide rapid development and speed to market. They can also cause vendor lock-in and migration challenges in the future. Our experts will help you define a PaaS strategy to get the best of both worlds, and implement a long-term strategy for consuming PaaS responsibly and/or displacing PaaS solutions with self-managed solutions.
- **UI, Mobile and IoT Development:** Whether replatforming applications or building net-new applications, UI, Mobile and API interfaces may also benefit from enhancement. CDW's Software Engineering Practice provides the full-stack capabilities to make your end-to-end project successful.
- **COTS Replacement:** We are now in a unique industry position where we can build and support your business applications, often for less than legacy commercial-off-the-shelf (COTS) software maintenance contracts. Through full custom application development with CDW, you can own the IP, own the roadmap, and get ongoing support and feature velocity not possible previously.

CDW GETS APP MODERNIZATION AND SOFTWARE ENGINEERING

CDW is the most technical Solutions Integrator in the industry. With two of the world's 20 Google Cloud Fellows on staff, nearly 250 engineers with expertise spanning from Certified Kubernetes Architects to Cisco DevNet Professionals, and a full-stack software development practice, CDW is your technical services partner when results and velocity matter.

- Awarded "Cisco Global Ecosystem Partner of the Year" in 2019
- A contributing member of the Cloud Native Computing Foundation
- Google Cloud Premier Partner
- HashiCorp Ninja Partner
- Hundreds of Fortune 5000 customers globally
- 250-plus engineers focused on Software-Defined Infrastructure, Hybrid and Multicloud Architectures, Cloud-Native Software Development and DataOps and AI/ML.

CDW's full lifecycle of Services can support your business no matter where you are on your journey



CDW AMPLIFIED™ SERVICES

Services Overview

CDW's App Modernization and Software Engineering Practice provide multiple engagement models and delivery mechanisms, enabling you to select the solution that best suits your needs and digital priorities.

Engagement Model	Available
Discovery: CDW identifies and documents your existing software architectures and development processes.	✓
Assessment: We provide evaluations and remediation recommendations based on environment discovery, in order to meet and exceed industry best practices for modern software development.	✓
Design: CDW experts provide application architecture designs specific to your business requirements, and a prescriptive path for getting there.	✓
Adoption: We help you learn and implement the hands-on tools and processes needed for successfully adopting modern cloud-native application patterns, in your environment or ours.	✓
Strategy: Our software architects evaluate your business requirements, and provide concrete recommendations for the improvements needed in process, culture, tools and/or people to achieve success.	✓
PoC/PoV: We help you test developed software solutions, and vet their compatibility in your environment and organization.	✓
Implementation: Our engineers make your desired application end-state happen – fast.	✓
Custom Development: Any software needed for your business that is not on the shelf, CDW can deliver at supersonic speed.	✓
Support & Consistency: CDW provides ongoing review, support and managed consistency services to proactively deliver guidance and management recommendations.	✓

CLIENT SUCCESS STORY

Organization: Global SaaS Contact Center Provider

Size: 1,000-plus employees, \$50M-plus in revenue

CHALLENGE: Launching into new geographies took, on average, six months to build new data centers and to deploy SaaS solution. The customer had completed a lift and shift from on-premises infrastructure to public cloud, which reduced provisioning time, but increased costs by more than three times.

SOLUTION: We modernized the application stack to run in Kubernetes, and built automated deployment pipelines using Terraform (IaC). We implemented CI/CD pipelines for speed, consistency and quality. The entire global SaaS environment was re-platformed and migrated to a new cloud provider in less than six months.

RESULT: Provisioning time of new data center environments was reduced from six months to three weeks. Cloud deployments are back within operating budgets and cloud consumption costs are one third of what they were prior to application modernization – enabling a massive shift in the pricing model for their digital offerings and transforming their go-to-market. Software delivery velocity increased just in time to be able to respond to COVID-19 demand for new contact center customers and features – enabling the capture of net-new market where they would have lost market share without a digital velocity strategy.

To learn more about CDW's App Modernization and Software Engineering Practice, contact your account manager or call 800.800.4239.



**CDW AMPLIFIED™
SERVICES**