

HOW DYNAMIC SYSTEMS' SECURE

PROTOTYPE AND PROOF CONCEPT

DEMONSTRATED VALUE FOR ARMY
CORPS OF ENGINEERS'

ZERO DOWNTIME DEVELOPMENT
AND MAINTENANCE PROJECT

ABOUT THE CLIENT

Industry: Government



AT A GLANCE

Challenge

The Army Corps of Engineers was suffering inordinate downtime when developing new capabilities, disrupting its services to its clients within the U.S. Army.

Solution

Propose alternate continuity of operations (COOP) and disaster recovery (DR) strategies, and develop Dynamic Systems Secure Prototype and Proof of Concept demonstrating capabilities and value of new capabilities

Results

- 24/7 operational feasibility for Army systems
- Increased forces access and availability
- No loss of data during outages or system failures

Overview

The Army Corps of Engineers wanted 24/7 continuity of operations (COOP) and disaster recovery (DR) services. Dynamic Systems, through its Prototype and Secure Proof of Concept, was able to showcase the COOP and DR capabilities that best meet the client's requirements.

Challenge

The Army Corps of Engineers' mission is to deploy, fight, and win the nation's wars by providing ready, prompt and sustained land dominance by Army Forces across the full spectrum of conflict as part of the joint force.

"The Army Mission is vital to the nation because we are the service capable of defeating enemy ground forces and indefinitely seizing and controlling those things an adversary prizes most – its land, resources, and its population."

Whenever the Army Corps of Engineers had to implement new capabilities into their systems, users have had to suffer downtime on these particular systems. Hence, it needed a capability, which can deliver zero downtime to efficiently provide 24/7 continuity of operations and disaster recovery services to their clients within the U.S. Army.

Project "Zero Downtime Development and Maintenance" is aimed at addressing several challenges for Army Corps of Engineers:



inordinate system
downtime



disrupted operations
across the agency



data loss or corruption
from hardware failure

Solution

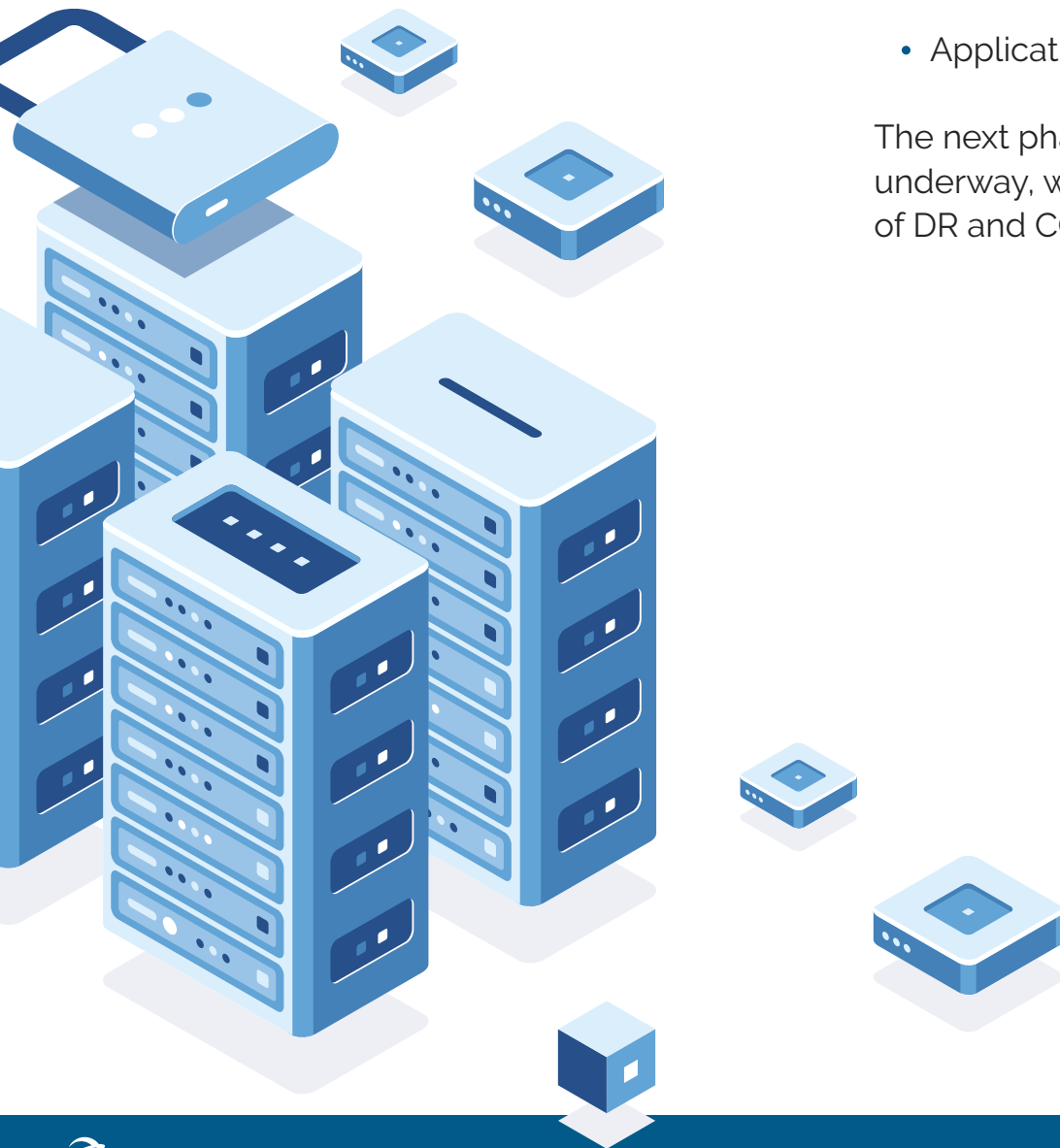
Dynamic Systems was the key contractor for the effort to provide consistent disaster recovery and continuity of operations services to the U.S. Army.

For the Army Corps of Engineers, it was not a matter of “when will our information technology (IT) stop working?” but rather figuring out “what to do when the system fails us?” The client contacted Dynamic Systems because of the federal contractors' proven experience in delivering COOP and DR capabilities to the DoD.

The solution utilized the latest in both hardware and software technology. Dynamic Systems' Prototype and Proof of Concept showed the client the proposed COOP and DR capabilities, and how they can operate across the different levels of the stack:

- Facility Level
- Hardware Level
- OS Level
- Database Level
- Application Level

The next phase, not currently underway, will be the implementation of DR and COOP Services.






Results

- ③ 24/7 operational feasibility for Army Systems
- ③ Increased forces access and availability
- ③ No loss of data during outages or system failures

Through Dynamic Systems' Secure Prototype and Proof of Concept, the Army Corps of Engineers was able to see value in new COOP and DR capabilities, including potential zero downtime during system development and maintenance.





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