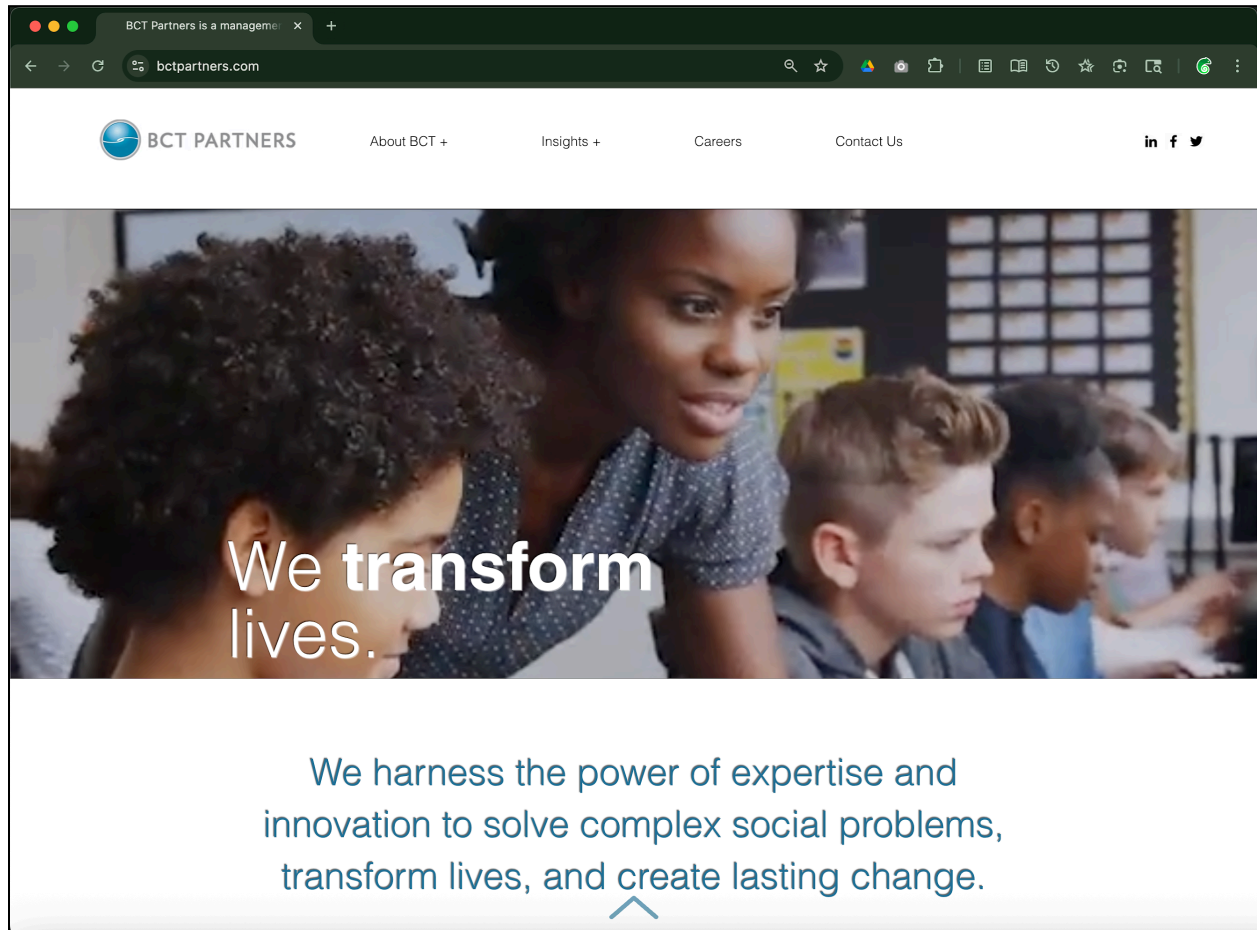# How BCT Partners Solved a Mission-Critical DevOps Crisis in Just One Demo

[BCT website: This is an updated screenshot - not the actual screenshot from the original project]

Overview

Client: [BCT Partners](#)
Project: [AHEAD.HIV.gov](#) – U.S. Department of Health & Human Services (HHS)
Technology: Drupal, AWS Hosting, CI/CD Automation
Role: Subcontractor responsible for dev, staging, and deployment infrastructure

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Background

BCT Partners is a mission-driven consulting firm delivering insights and technology solutions to address critical social issues. As a subcontractor for the *AHEAD* (America's HIV Epidemic

Analysis Dashboard) project under HHS's Prime Contractor, BCT was tasked with building and deploying a Drupal-based website into a secure and scalable cloud infrastructure hosted on AWS.

Their responsibilities included:

- Setting up and securing *Dev* and *Staging* environments on AWS

- Automating *CI/CD pipelines* for rapid iteration and deployment

- Promoting approved changes from Staging to Production

- Ensuring compliance with security and operational best practices

Despite having two experienced engineers on the project for over two months, BCT struggled to set up a properly configured, fully functional, secure DevOps workflow manually.

The Challenge

- **Manual AWS configuration was error-prone and time-consuming**

- **Security hardening and compliance readiness required expert knowledge**

- **CI/CD pipelines were incomplete and unreliable**

- **Production promotion lacked a reproducible, automated process**

- **Team lacked deep AWS and DevOps expertise**

Progress stalled. Deadlines were looming. BCT needed a solution—fast.

The DevPanel Solution

During an initial discovery call with DevPanel, BCT's team was quietly timing the demo. They wanted to see if the promises of automation and rapid deployment were real. What they witnessed surprised them:

> *"You did in 17 minutes what we have been working on for the last two months."*

Within minutes, DevPanel demonstrated:

DevPanel Case Study

- **Automated setup** of fully configured Dev, Stage, and Prod environments in AWS

- **Built-in security** configurations aligned with compliance best practices

- **Infrastructure-as-code pipelines**, ready to customize and extend

- **CI/CD scripts** that connected Git repositories to deployments seamlessly

BCT signed with DevPanel **the same day**.

Results

🚀 Deployment Time Reduced by 95%

DevPanel spun up the complete environment stack and pipelines in under 20 minutes—tasks that had taken BCT's team days of work and rework.

🔐 Security Pre-Configured

All environments included pre-hardened security settings, saving weeks of configuration and compliance verification work.

⚙️ CI/CD Automation Done Right

DevPanel didn't just provide tools—they collaborated with BCT to **write custom deployment scripts**, ensuring seamless promotions from Dev to Stage to Production.

🧠 Ongoing DevOps Support

DevPanel became BCT's **on-demand DevOps team**, offering AWS guidance, script tuning, and production incident support—freeing BCT's developers to focus on delivering features, not fighting infrastructure.
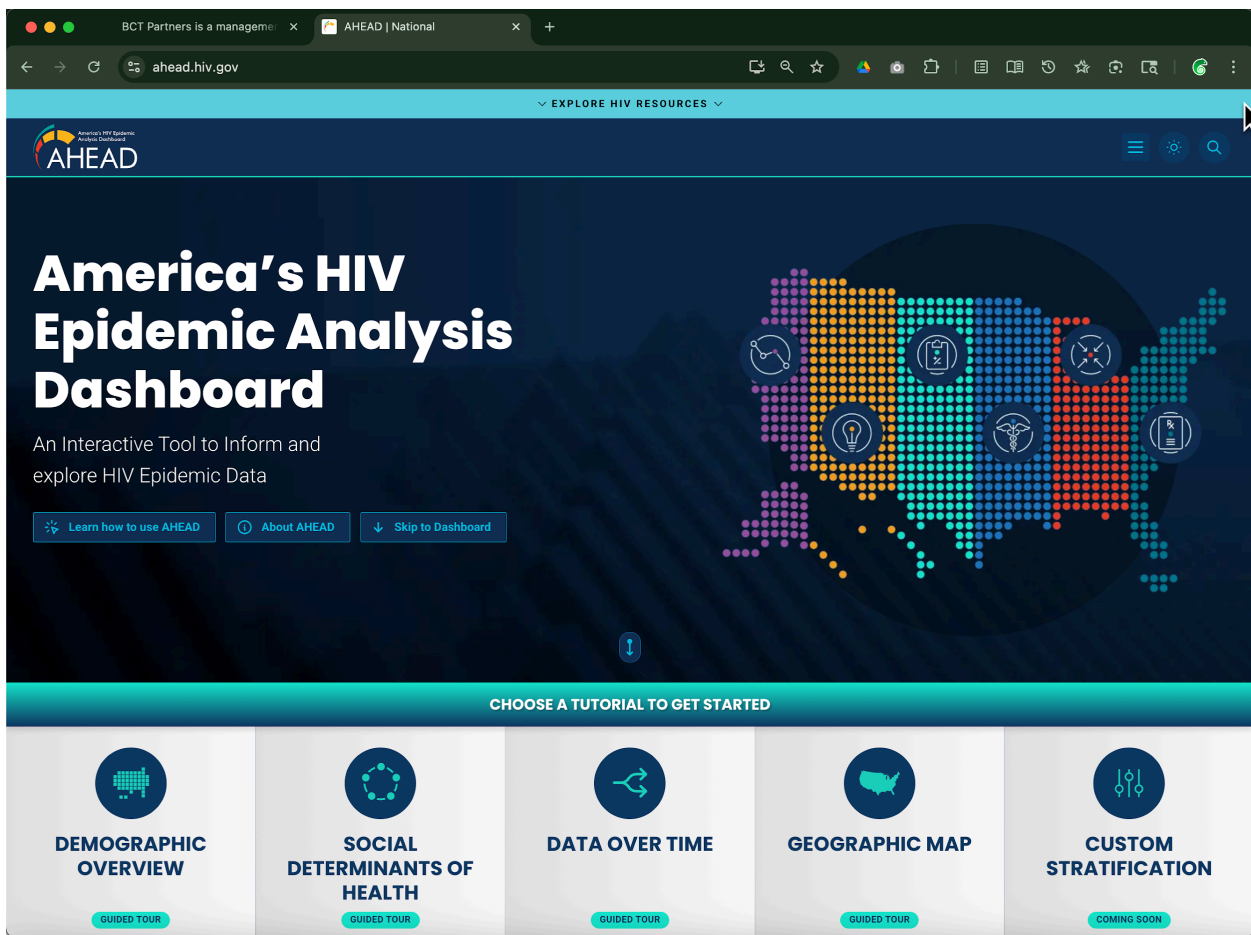
[Ahead HIV site: This is an updated screenshot, not the actual screenshot from the original project]

What Made the Difference

Challenge	DevPanel Advantage
Manual AWS setup	1-click provisioning with security presets
CI/CD pipeline complexity	Auto-generated pipelines, customized with DevPanel's help
Compliance & security concerns	Pre-configured environments aligned with best practices
Lack of DevOps resources	DevPanel acted as an extension of the BCT team
Production promotion risk	Safe, repeatable GitOps-based deployments

Conclusion

BCT's experience on the AHEAD HIV project highlights how powerful the right DevOps platform can be. By partnering with DevPanel, BCT saved time, reduced complexity, improved security, and gained a trusted DevOps partner. What once looked like a technical roadblock became a launchpad for delivery excellence.

Ready to see what DevPanel can do for your team?
Visit DevPanel.com to schedule a demo or email: contact@devpanel.com.