



Test on the low side, deploy on the high side

When software is developed in commercial cloud regions, it often does not perform as expected when deployed to restricted, classified cloud environments with more stringent security standards. This makes it difficult for agencies to develop cloud applications for classified missions if they don't have enough cleared developers or must wait for software to be reconfigured to meet classified environment guidelines.

Enter SHIFT™, an emulation, testing, and training platform that replicates classified, restricted cloud service provider (CSP) regions. With SHIFT, developers don't need clearance to develop cloud applications designed for classified missions. SHIFT leverages unclassified members of an agency's workforce to create and test software for classified environments, expediting time to production and saving valuable government resources.

CACI

Typically, when software is first deployed in a classified cloud or customer-specific CSP region, it can take weeks before bugs are squashed and patches are appropriately made. SHIFT ensures a successful first deployment for any commercial-off-the-shelf (COTS) or government-off-the-shelf (GOTS) software faster than a standard deployment. Regardless of function or job title, our customers can deploy with 100% confidence that their applications will work in any specialized CSP region, with multiple deployment options available, including SaaS, on-prem, and containerized options.

SHIFT integrates seamlessly into any CI/CD pipeline, delivers accurate region-specific API responses, and provides detailed error messages with recommended remediation actions. SHIFT can also provide temporary credentials, including cross-account access, ensuring secure, efficient operations.

SHIFT helps our customers get it right on the first try.

The SHIFT framework is engineered to emulate high-side environments, enabling non-cleared developers to effectively conduct DevSecOps. This innovative platform ensures seamless integration and compliance with stringent security protocols, facilitating efficient and secure software development for classified missions.

How does SHIFT compare?

Patented Full-Scale Emulation	Versus	Other Platforms Partial Emulation
✓	Restricts internet	✓
✓	Region-specific endpoints with custom CA	✓
✓	Service and feature emulation	✓
✓	Parameter emulation	
✓	Custom and region-specific	
✓	API responses Real-world responses and troubleshooting	

