

The Case for Cloud Migration

\$8.5B

Estimated federal spend on cloud services in 2023

- Bloomberg

In 2019, the US government introduced the Federal Cloud Computing Strategy, Cloud Smart, to provide guidelines and support for increased cloud adoption in Federal agencies. The National Institute of Standards and Technology offers five key characteristics for cloud computing: on-demand service, broad network access, resource pooling, rapid elasticity to scale up and down, and measured service.

The pandemic motivated a significant increase in cloud adoption to scale up critical applications and to enable government employees to work remotely and securely. However, there is continued work to be done as agencies refine their cloud strategies and continue to prioritize technologies to move to the cloud.

98%

Number of federal workers who work remotely or partially remote

- OPEXUS Customer Survey

OPEXUS customers invest in our eCASE platform solutions to manage highly regulated, complex processes and reporting requirements more efficiently, from start to finish. Our platform, including FOIAXpress and other eCASE applications, is now available as FedRAMP-compliant software-as-a-service (SaaS). OPEXUS holds an Authority to Operate (ATO) for its solutions under FedRAMP as the FISMA-moderate impact level by the US Department of Housing and Urban Development. Scale and security are widely known benefits of the cloud, but agencies that migrate key solutions to the cloud experience many other benefits:

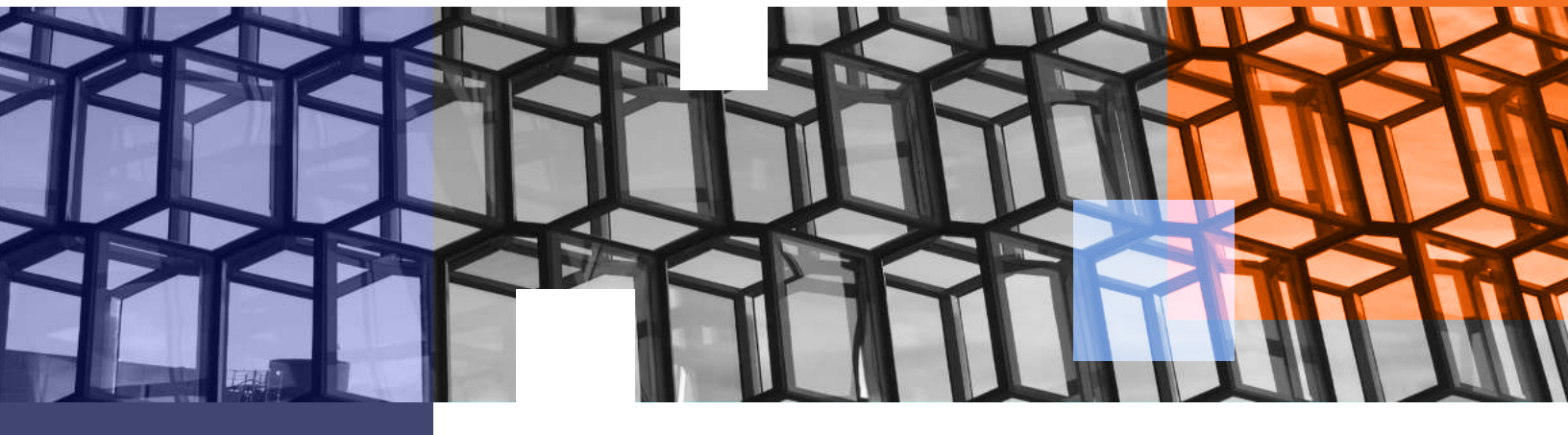
- **Lower maintenance costs:** OPEXUS takes on maintenance and updates, providing relief for IT resources and removing the need to replace old, outdated hardware.
- **Efficient, streamline resourcing:** OPEXUS' IT infrastructure means lower costs for your agency for hardware, software, and the resources – i.e., both in-house and contractors – to manage it all.
- **Improved customer experience:** OPEXUS manages all updates and upgrades. Users no longer need to download / install new software versions and patches, nor do they incur wait times and extra expense to upgrade.
- **Better performance:** With the Cloud Smart Federal Computing Strategy, users experience increased application processing speed, faster performance, easier configuration changes, and 24/7/365 support.

"Cloud technology is here and should be used 100% for its impact on scale, security, and even [employee] experience.."

- OPEXUS Customer, Federal Government

Key OPEXUS Network and Security Features

Security at the OPEXUS hosting center is administered by a designated security officer and monitored with 24/7 video surveillance. All personnel with access to the data center maintain DOD Secret Clearances and access is gained through a keypad provided by Data Watch.



OPEXUS eCASE SaaS offers comprehensive network and web security features, including:

- 24/7/365 monitoring and alert notifications
- 99% uptime
- SSL encryption support
- Data files encrypted using 128-bit NIST-compliant AES encryption algorithm servers protected with the latest anti-virus and anti-spyware software
- High-end switches, and interconnections with multiple firewall layers
- Multiple disaster recovery data centers
- Ongoing security testing and continuous monitoring
- Top-secret-cleared facility

Back-up and disaster recovery features include:

- Power redundancy, including battery back-up and natural gas-powered generator
- Multiple internet service providers
- Redundant servers with automatic fail-over with multiple data center locations
- Redundant cooling systems to ensure optimal temperature
- Daily, weekly, and monthly data back-ups
- Gas fire suppression

Representative OPEXUS Software-as-a-Service Customer



Estimated Annual O&M Costs - Based on Past Client Experience

Item	Description	Low Estimate	High Estimate
Operations Expenses			
eCASE Application Server Administration	Installation of software version upgrades, patches and hot- fixes by technical staff (eCASE Admin, DBA, Server Admin) with attending CCB process management and approvals (60-80 hours/yr)	\$8,000	\$10,000
Project Management	Technical project management tasks related to operations, maintenance, issue resolution, CCB and technical/ functional/ contractor staff coordination (70-120 hours/yr)	\$9,000	\$15,000
Database/Windows Server Administration	Fractional personnel costs for a database administrator and server administrator to perform database maintenance and backup tasks, and server maintenance, performance monitoring, security assessment and security patch installation tasks (250-350 hours/yr)	\$40,500	\$54,000
C&A Support	Cost for ongoing internal or 3rd-party C&A with attending contracting and procurement support services (Based on 3rd party estimated charges)	\$15,000	\$30,000
Maintenance Expenses			
Infrastructure Maintenance	Maintenance contract expenses related to the provisioning of the required hardware and software licenses to support FOIAXpress for both production and test environments (VM Servers, SQL Server, Windows OS) (50 hours/yr + hardware/ software)	\$5,000	\$10,000
Total Estimated O&M Expenses	< Average = \$98,250 >	\$77,000	\$119,000