

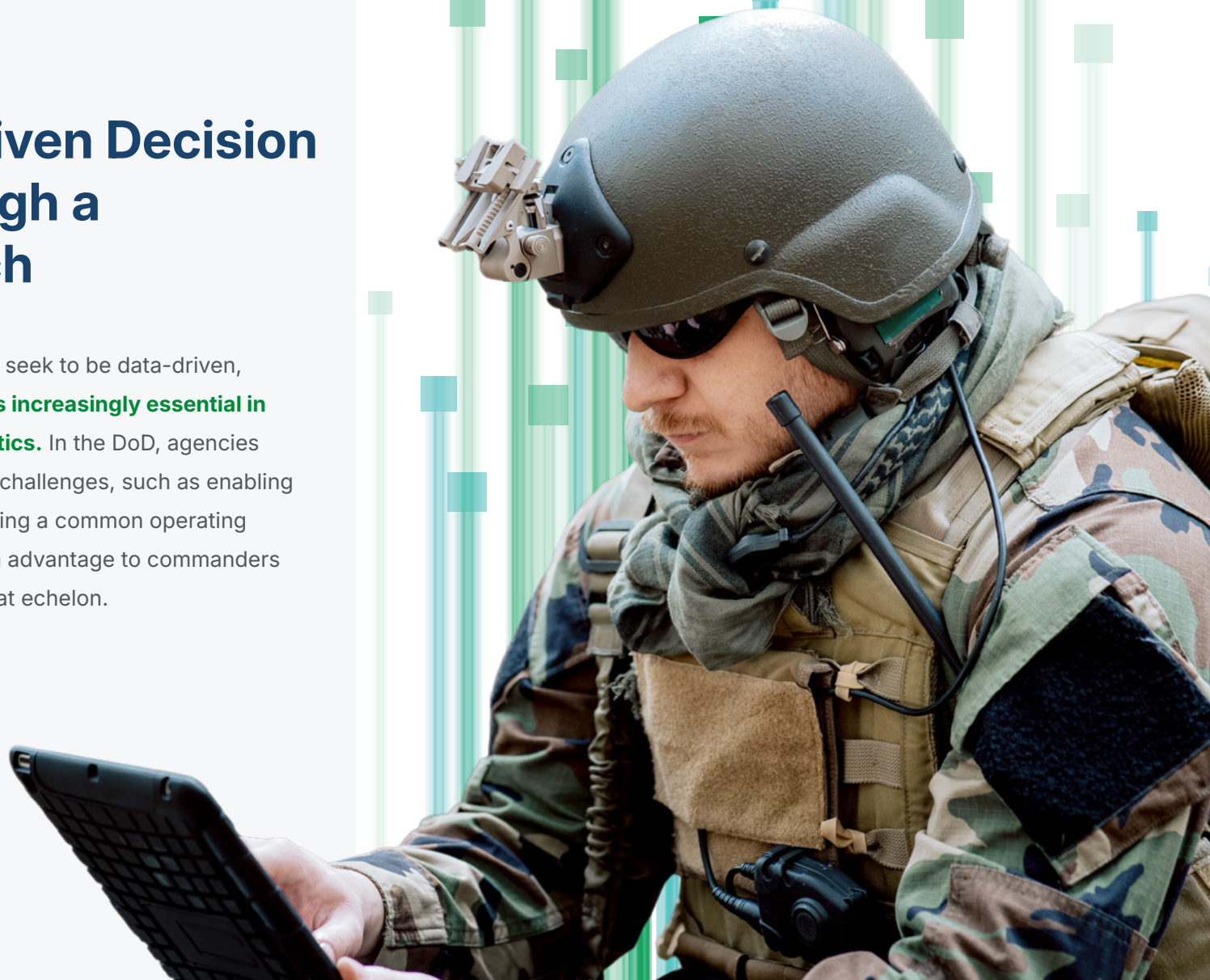
CREATING DECISION ADVANTAGE FOR U.S. DoD, COMBAT  
SUPPORT AGENCIES, COMBATANT COMMANDS,  
AND THE DEFENSE INDUSTRIAL BASE

# Key Elements for Deploying Qlik Cloud® Government – DoD



# Enabling Data-Driven Decision Advantage Through a Platform Approach

As U.S. DoD agencies digitally mature and seek to be data-driven, **adopting a “platform mentality” becomes increasingly essential in order to deliver the full potential of analytics.** In the DoD, agencies and commands encounter various unique challenges, such as enabling warfighters and mission owners, establishing a common operating picture, and effectively delivering decision advantage to commanders and senior leaders in order to act on data at echelon.







# Qlik Cloud Government – DoD

Qlik Cloud Government – DoD is purpose-built to support your end-to-end data lifecycles and help combat support agencies, combatant commands, and the military services through a portfolio of advanced technologies that deliver real-time information and drive immediate action.

Qlik Cloud Government – DoD brings together data pipelines, predictive analytics, machine learning, and automation into one unified platform, empowering agencies and users of all levels to make data-driven decisions.

By harnessing data intelligently, mission areas can boost communication, mission readiness, and decision advantage from the warfighter to senior leaders. Qlik is committed to supporting our DoD customers with solutions they can trust.

We have invested in the security capabilities of the platform to meet DISA authorization requirements up to DoD IL4, and also US ITAR and Export Control requirements. Qlik is proud to provide a secure, compliant cloud environment where innovation and intelligence can thrive.



# What Can You Learn From This eBook?

This eBook has been designed to educate new users about the main elements of Qlik Cloud Government and how to utilize the platform specific to U.S. DoD, military service, combat support agency, combatant command, or defense industrial base use cases.

1

## How to Leverage Qlik Cloud Government - DoD for Data Lifecycles



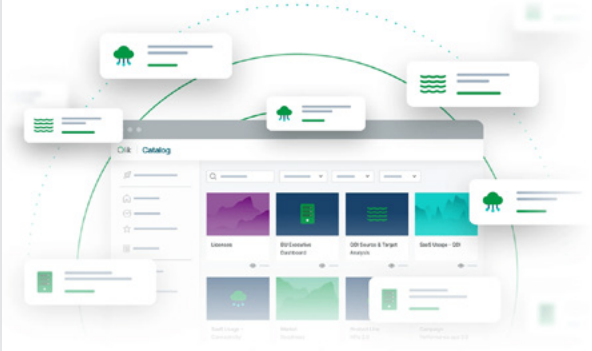
2

## Key Elements to Consider When Designing Solutions Based on Your Data Deployment Plans



3

## How Qlik Cloud Government - DoD Enables Action From Data



# Key Components of Qlik Cloud Government - DoD

Through a unified platform like Qlik Cloud Government, the DoD can adopt cutting-edge technologies like machine learning, predictive analytics, and automation into daily operations.





## Qlik Cloud Data Integration: deliver mission-critical data to power decision advantage

Qlik Cloud Data Integration builds a unified, integrated data fabric that accelerates the discovery and availability of analytics-ready data products through automated real-time data pipelines, ETL/ELT, cataloging, and publishing.

- Real-time Data Movement
- Change Data Capture and Streaming
- Data Transformation
- Data Warehouse Automation
- Data Lake Creation
- Catalog and Lineage

## Qlik Sense Enterprise SaaS: analyze data and share insights

Qlik Sense Enterprise SaaS delivers best-in-class analytics that help people of all skill levels to make data-driven decisions and take informed action. It is engineered to augment human intuition with Qlik Predict, our automated predictive analytics, and deepen insight.

- Governed and Self-Service Analytics
- Predictive Analytics
- NLG
- Collaboration and Storytelling
- Alerting and Reporting
- Embedded Analytics and APIs

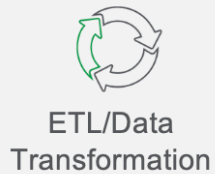
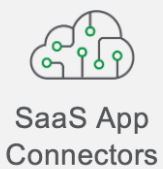
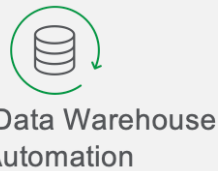
## Qlik Automate: accelerate data analytics and business processes

Qlik Automate, natively integrated within Qlik Cloud Government - DoD, enables mission users to build secure, low-code workflows that automate and orchestrate data and analytics processes across the enterprise. Its visual interface allows rapid development of logic-driven automations, integrating with leading systems like Microsoft® and ServiceNow® to trigger alerts, enable real-time responses, and support operational decision-making.

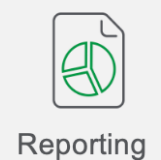
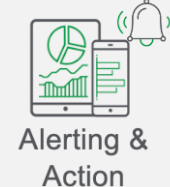
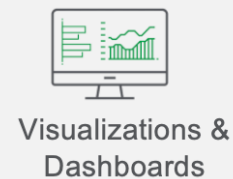
- No-code Development
- Business Process Automation
- Enhanced DevOps
- Data-Driven Actions
- Unify SaaS Silos
- Broad SaaS Connectivity

# Best in Class Data Integration and Analytics

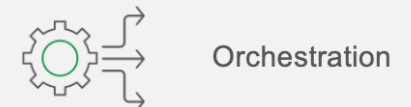
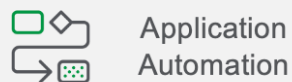
## Data Integration & Quality



## Analytics and Machine Learning

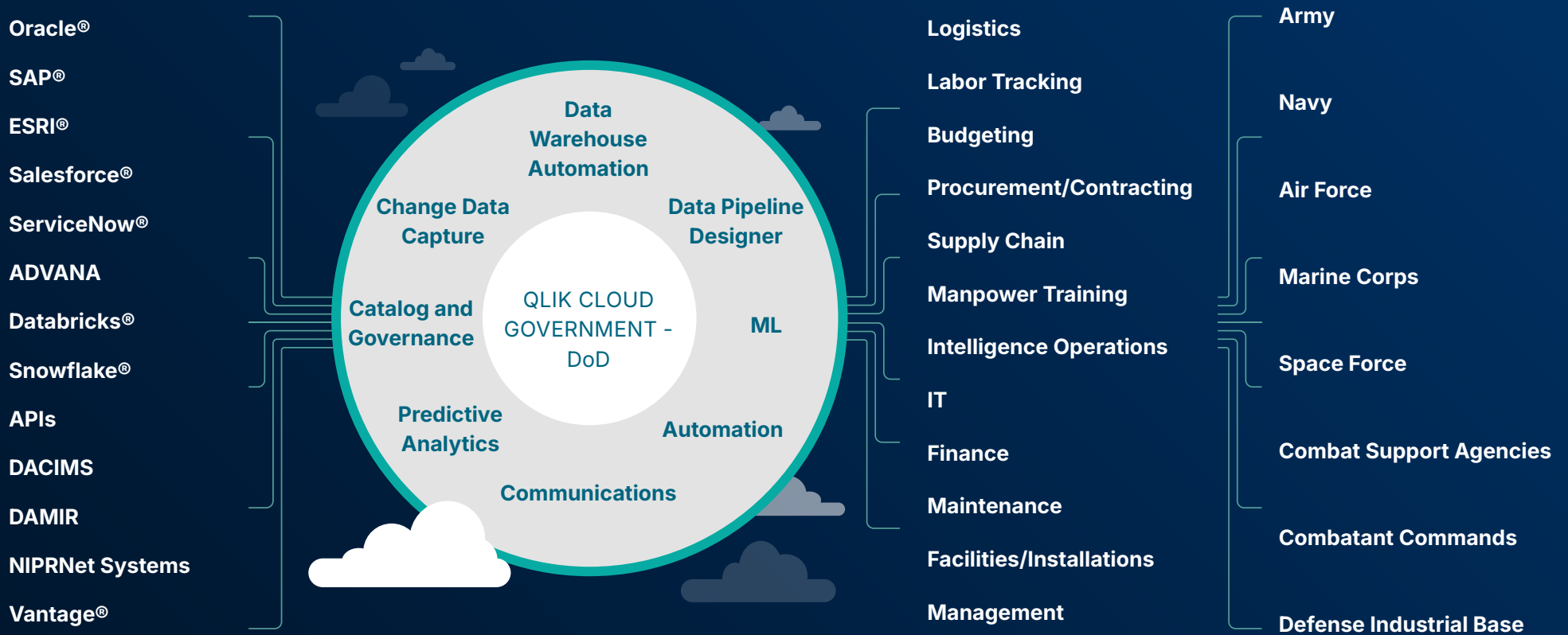


## Foundational Services



# Unified Data Ecosystem

Qlik Cloud Government - DoD delivers a modern, secure analytics environment purpose-built for mission-critical operations. It simplifies data flow by consolidating disparate data sources into a unified, governed platform, leveraging advanced AI, machine learning, and automation. Comprehensive data visibility and management enhance situational awareness and decision-making across the enterprise.





# What Does That Look like?

**Let's look at a day in the life of a Qlik Cloud Government - DoD mission area.**

Qlik Cloud Government - DoD has been specifically designed to move in stride with you. By creating a unified platform that consolidates data integration, enterprise analytics, machine learning, and automation, the DoD can reach a level of data utilization and value creation never before possible.

Let's look at a scenario around **acquisition program reporting** and get a glimpse of how Qlik Cloud Government - DoD utilizes data in stride of operations to ensure mission owners get the data required to support decision making.

# Acquisition Program Reporting

**Data Integration** ensures data from DoD, Air Force/ Army acquisitions, finance, contracts and logistics systems, and other data sources are being monitored in real time and continuously integrated into necessary systems



8:00AM

The **Acquisitions app** has a **predictive\*** model that runs in parallel with reloads.

The ML Model was quickly modeled to forecast trends and abnormalities that influence acquisition programs.

A data pull has been requested for cost and schedule performance information across all systems to integrate into the analysis.

**Improved Acquisition Outcomes**



8:15AM

An **alert** is sent to acquisition program managers that the latest data refresh is completed and that a report with analysis and summary is ready.

A **PDF report** has been scheduled to be distributed every day consisting of program delivery status, long lead time procurement items, critical supply chain status, and related metrics.

- ↑ Transparent/Data Driven
- ↑ Timely/Trustworthy
- ↑ Service Success Competitive
- ↑ Advantage Overmatch



8:35AM

An **automation** workflow has been deployed to send metrics from the Acquisitions app to agency and PEO systems.

This allows agencies and combatant command teams to understand key metrics related to acquisition program delays, overruns, or quality issues.

- ↓ Risks
- ↓ Delays
- ↓ Quality Issues
- ↓ Budget Overruns



8:50AM

A new **predictive model\*** has been developed to provide predictive insights to agency acquisition teams on resources and supply chain for weapons systems acquisitions.

An automation has been set up to continuously train the ML model off of new data and deliver those predictive insights to acquisition teams in order to keep expensive programs on track and on budget.



\*Qlik Cloud Government – DoD customers incorporate ML model results via Advanced Analytic Connectors to their own Authorized ML platforms

# 1. Security



## KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

### How do I secure my data?

Security By Design at Qlik is an embedded function across the company. It is an integral part of how we develop technology. Qlik provides underlying security and governance controls that meet DoD IL4, and U.S. ITAR and Export Control security requirements.

- Customer Managed Keys allow you to bring your own encryption keys and retain control of data encryption. ▶
- Single Sign-On with PIV/CAC support securely authenticates users with your existing, internal security user roles and groups. 🔗
- Section access, cell level security, and dynamic data reduction ensures access is seamless across different mission areas (i.e. only Commanders can see Force Readiness Data). ▶

### Example:

Leverage Qlik Cloud Government - DoD for a variety of use cases like Contracting and Budgeting, Capital Spending, Force Readiness, and Resource Demand Planning.







## 2. Data Movement



KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

### How do I move data from sources to targets?

Data Integration in Qlik Cloud Government - DoD makes it simple to build data pipelines from raw sources into target systems like enterprise data warehouse(s).

- Manage and automate mission data pipelines across departments and organizations. 
- Migrate different analytics elements at a pace that fits your command.
- Utilize Change Data Capture in real time across sources for a reliable stream of data to provide senior leaders with decision advantage. 

### Example:

Manage your mission critical data pipelines across multiple sources (ex. Maintenance, Training, Logistics Budgeting) and move into targeted data analytics environments.



# 3. Data Connectivity



KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

## How do I securely connect to data sources for analytics?

Qlik Cloud Government - DoD includes a robust library of connectors for both cloud-based and on-premises data sources.

- Analytics Engine – purpose-built for enhanced, intuitive data discovery and primary ingestion technique. ▶
- Direct Query – enables apps to directly query databases for big data and near-real-time use cases.
- Direct Access via Data Gateway provides encrypted connections to Qlik Cloud for securely accessing both NIPRNet or DoD-authorized cloud-hosted sources. ▶

### Example:

Unlock the full potential of your data with seamless connectivity for analytics, empowering your agency or command to gain deeper insights. Qlik Cloud Government - DoD can connect to 100+ sources, including both NIPRNet on-premises and DoD-authorized cloud sources:

- |                |                       |
|----------------|-----------------------|
| • Supply Chain | • Procurement         |
| • Maintenance  | • Logistics Budgeting |
| • Training     | • IT                  |
| • Contracting  | • Finance             |



## 4. Data Management



KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

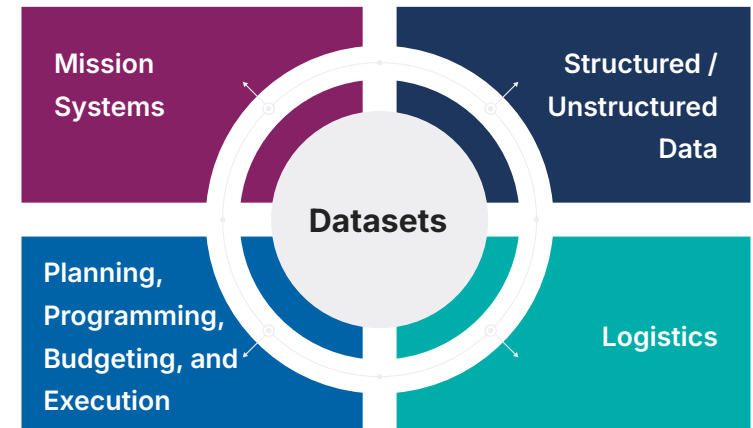
### How do I democratize datasets that act as libraries for users with governance?

Qlik Catalog centralizes datasets from diverse sources into a single, easy-to-access collection of reusable data products—domain-specific data assets that increase governance, adoption, and overall mission readiness.

- Business Glossary enforces organizational definitions, increasing governance and reducing uncertainty. ▶
- Catalog offers the ability to tag data and track usage to ensure governance when managing sensitive data.
- Field Level Lineage illustrates data between sources and end-user apps. ▶
- Impact Analysis provides visibility into a data element's dependencies — indicating which databases, apps, or files would be impacted if changed. ▶
- Data Usage offers metrics across content viewing and adoption levels across datasets and applications in the tenant.

#### Example:

Centralize data silos into governed libraries that support everyone — from developers to data stewards to end users. Qlik Cloud Government - DoD resolves data fragmentation and simplifies access to data, accelerating both collaboration and service delivery.





## 5. Analytics



### How do I create actionable insights with analytics applications?

Qlik Cloud Government - DoD empowers people at all skill levels to make data-driven decisions and take action in the moment when it matters most. ▶

- Insight Advisor supports users to ask questions and discover relevant answers with auto-generated visualizations and narrative insights. ▶
- Application building is easy: low-code, drag-and-drop dev with fully interactive visualizations.
- Easily deploy mission-wide dashboards and rich self-service environments that enable agencies and warfighters.
- Trigger actions and analysis at the object level like chart monitoring, subscriptions, and alerting. ▶

### KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

#### Example:

Qlik Cloud Government - DoD can fuel predictive analytics across mission areas — from finance or recruiting to logistics support. Elevate your command with access to insights that drive action.



## 6. Predictions



### How do I use machine learning for prescriptive analytics?

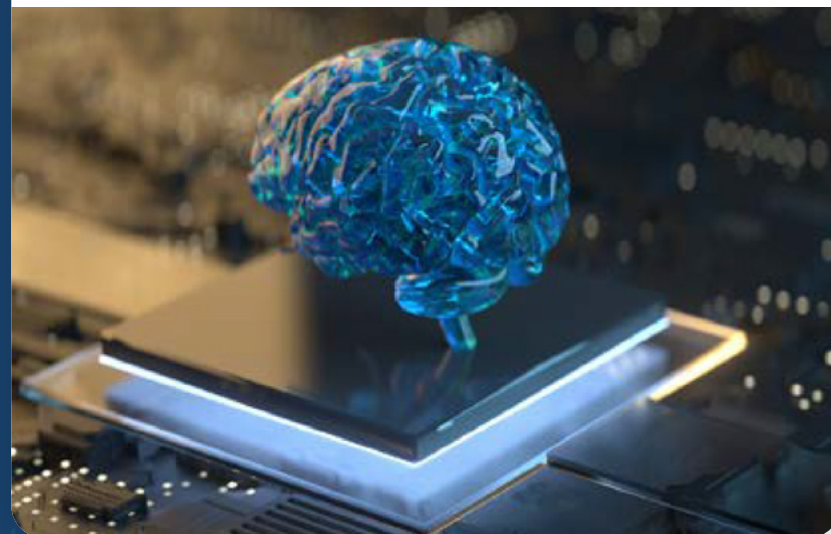
Qlik Cloud Government – DoD provides automated machine learning capabilities designed for analytics users and teams.

- Out-of-the-box algorithms for simple deployments.
- Auto-generate and train machine learning models.
- Create predictive analytics with explainability.
- Integrate predictions\* into decision planning and decision support systems.
- Connect to other data science/ML tools.

KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

#### Examples:

- Financial Forecasting
- What-If Scenarios
- Decision Advantage/Dominance
- Real Property Maintenance
- Predictive Maintenance
- Talent Management & Recruiting
- Readiness Planning
- Resource Demand Planning/Predictions



\*Qlik Cloud Government – DoD customers incorporate ML model results via Advanced Analytic Connectors to their own Authorized ML platforms

## 7. Alerting and Reporting



### How do I communicate insights and enable internal/external users?

Qlik Cloud Government - DoD offers observability through a variety of communication channels that ensures users stay in the know. Qlik Cloud Government - DoD makes it easy to deploy communications from your analytics assets at the click of a button.

- Alerts for both organizational awareness and individual self-service needs. ▶
- Reporting delivers burst reporting with custom, multi-sheet reports for internal users and anyone in your mission area. ▶
- Remote users can access insights anywhere.

### KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

#### Examples:

- Alerts for predictive maintenance activities
- Burst reporting to automate mission readiness scorecards
- Access for remote units (warfighters, supply chain, maintenance teams)





## 8. Automation



KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

### How do I orchestrate DataOps and leverage automations?

Qlik Automate offers a no-code, drag-and-drop approach to building automations with pre-built workflows and 50+ connectors.

#### Ways to Use Automation:

##### Data and Analytics Ops

- Change control and tenant management
- Back-office workflows and onboarding

##### Communications and Event Triggering

- Alerting and burst PDF reporting
- Multi-channel (Email, Teams, and more)

##### Business Processes Integrations

- Submit service tickets and update external systems outside of Qlik.

#### Example:

Automations enables users to initiate actions directly from dashboards or autonomously through dynamic conditions and settings.

- Accelerate business processes like recruitment with integrations across onboarding and payroll.
- Streamline weapons system maintenance with alerts and predictive forecasting.
- Automate alerts that support everything from DataOps for IT to mission readiness for senior leaders.




# 9. Embedding Analytics





## How do I embed analytics into other systems or portals?

Easily integrate analytics assets and content into mission oriented applications, products, websites, or portals — putting the analytics where decisions are made.

- Easily make data available to other mission areas on government websites. 
- Provide access to Logistics, Supply Chain and Manpower information to support readiness.

### Example Use Cases

- Public-facing websites
- Example: FDA Adverse Event Dashboard 
- Internal and external portals 
- Mission applications and processes

## KEY ELEMENTS IN QLIK CLOUD GOVERNMENT - DoD

### Example:

Embed KPIs, visualizations, and datasets into any public-facing website, mission oriented application, or internal portal. Qlik Cloud Government - DoD simplifies the ability to share and democratize data for service members, government employees, and civilians.



# Summary

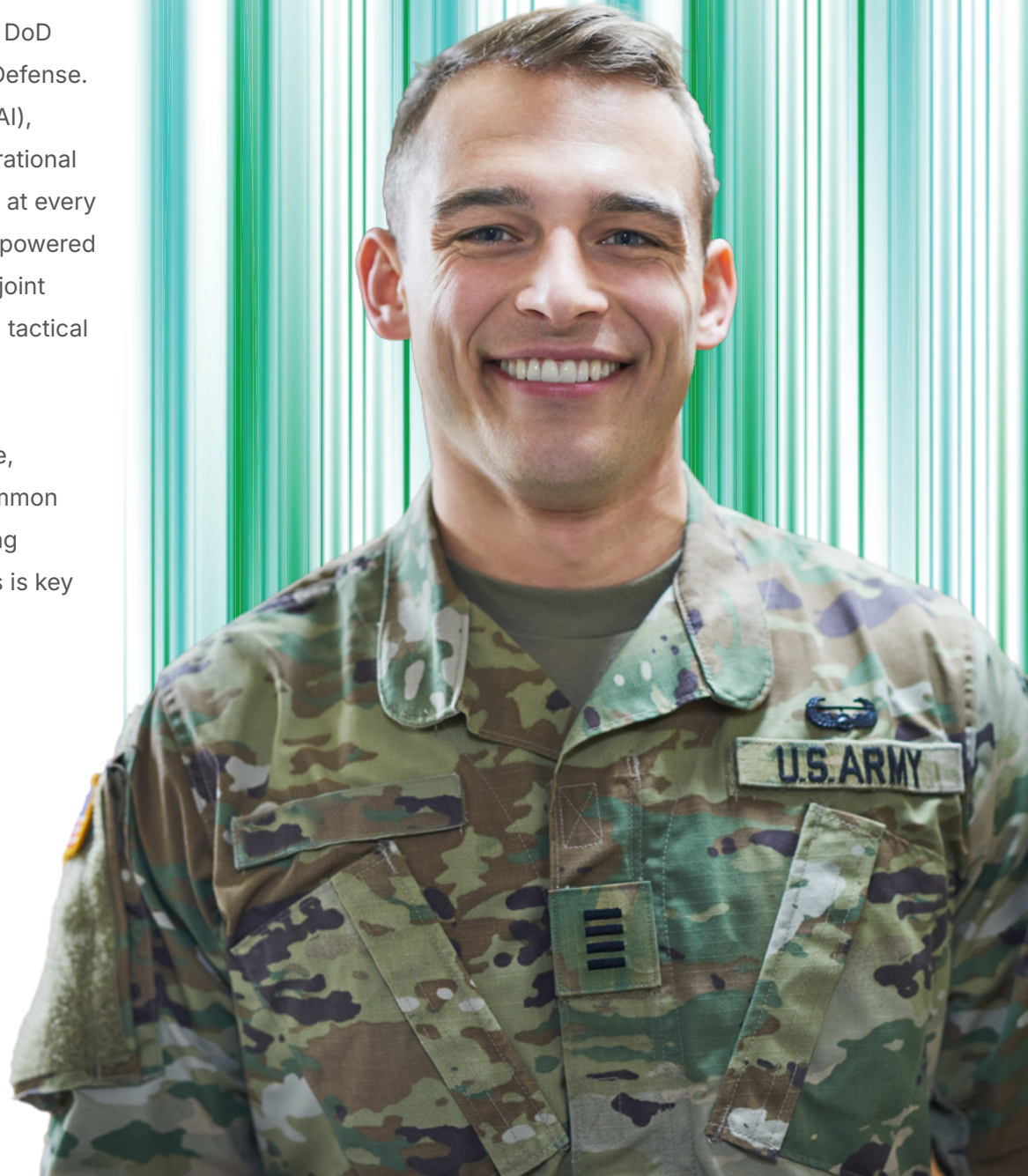
In this eBook, we examined the pivotal role Qlik Cloud Government - DoD can play in enabling Decision Advantage across the Department of Defense. By leveraging advanced technologies such as artificial intelligence (AI), machine learning, and automation, DoD organizations can drive operational efficiency, reduce costs, and enable data-informed decision-making at every echelon. Through mission-focused scenarios, we illustrated how AI-powered analytics can enhance readiness, streamline communication across joint and coalition environments, and deliver decision advantage from the tactical edge to senior leadership.

Qlik Cloud Government - DoD empowers mission owners to integrate, analyze, and act on data with speed and precision—establishing common operating pictures, accelerating operational tempo, and strengthening outcomes across mission areas. Embracing modern data capabilities is key to achieving mission success and maintaining strategic overmatch.

**Ready to see for yourself?**

**Contact Us**

**Explore Qlik Cloud Government**





# About Qlik

Qlik delivers an industry-leading portfolio of solutions for data integration, data quality, and analytics. This includes advancements in real-time data, AI, ML, and automation. The most successful organizations are investing in data to make sense of the increasing amounts and varieties of data from diverse sources. The challenge is to effectively integrate, analyze, and act on the data while ensuring its trustworthiness.

With more than 40,000 active customers in over 100 countries, Qlik's solutions work with virtually any data source, target, architecture, or methodology, to ensure customers have the data they need, whenever they need it.