DPG SOLUTIONS LLC | RGS Rancher Government Solutions

Unified Infrastructure for Secure Government Workloads

Disconnected Environments Need Stronger Infrastructure

Virtual machines (VMs) and containers shouldn't require separate stacks, especially in classified environments. Yet, most government systems still treat them that way, forcing teams to stitch together fragile workflows to keep things running. Managing those stacks in parallel creates friction, especially in air-gapped environments where software delivery, updates, and compliance must happen without external connections. In the end, teams spend more time integrating tools than running workloads.

In air-gapped networks, there is no margin for error. Manual updates, tool handoffs, and disconnected controls add time and risk. Delays do not just impact performance, they threaten mission readiness and put our military personnel at risk.

A Deployment Model Built for Secure Infrastructure, Not Theory

Rancher Government Solutions (RGS) and DPG Solutions offer a different path: a pre-integrated, field-tested stack that runs VMs and containers together with automation and visibility from day one. Built from open-source technologies and deployed in classified environments, this approach simplifies how federal teams run and maintain critical systems.

A key part of the solution is its built-in Secure Platform-as-a-Service (SPaaS) layer, which gives teams a consistent operational experience, even in fully disconnected environments. It provides centralized orchestration, monitoring, and lifecycle management to scale secure application delivery without the need to reengineer workflows for each setting.

This is not another layered, abstract solution cobbled together to tick boxes. RGS and DPG Solutions worked side by side to build, test, and deploy this stack in real government networks. It's already supporting disconnected environments and mission workloads—and it's built to scale. The focus is on outcomes: reduced manual effort, better visibility, secure workflows, and consistent control over both traditional and container-based applications.

What this looks like in practice

Run mixed workloads in one stack

Run virtual machines and containerized applications side-by-side. No need to maintain separate environments or platforms.

Deploy and update in air-gapped environments

Use portable, self-contained workflows to move software, container images, and updates into disconnected networks without network access.

Security built into the foundation

Enforce zero trust policies and align with DISA STIG and RMF standards from the star, not as an afterthought

Automation at every layer

From install to updates, the system is designed to reduce manual effort and eliminate one-off fixes.

No proprietary dependencies

The platform runs entirely on open-source components supported by cleared U.S. personnel. No hidden code. No lock-in. No vendor black boxes.

RGS + DPG Deployment Architecture Overview

Secure Platform-as-a-Service Layer

DPG's SPaaS serves as a unified control plane that simplifies application management, policy enforcement, and infrastructure operations across disconnected environments.

- Centralized orchestration and observability
- Supports consistent workflows for both VMs and containers
- Delivers repeatable deployment and lifecycle management
- Built specifically for use in air-gapped, security-first networks

RGS HCI

RGS's HCI solution is built on Harvester, a hyperconverged virtualization layer that removes the need for traditional hypervisors. Runs directly on bare metal and integrates with Kubernetes-native tooling.

- Supports VMs and Kubernetes on a single platform
- Built for standard x86 hardware
- Simplifies storage, compute, and network configuration
- Cuts down on infrastructure overhead

RKE2 + RGS Manager

Rancher Kubernetes Engine 2 (RKE2) is a hardened Kubernetes distribution designed for federal use. Paired with Rancher Multi-Cluster Manager (MCM), it gives a single pane of glass to control multiple Kubernetes clusters.

- Centralized policy and access management
- DISA STIG-hardened configurations
- Real-time status tracking across environments
- Secure container orchestration at scale

Hauler

Hauler moves container images, application packages, and updates into air-gapped networks without custom scripts or unreliable manual processes.

- Standardized packaging and transfer workflows
- Supports containerized and VM-based content
- Reduces human error in disconnected environments
- Repeatable, secure delivery cycles

RGS Security

RGS Security delivered through NeuVector, provides real-time security from build through runtime. It monitors behavior, inspects traffic, and applies policy controls inside Kubernetes.

- Continuous compliance checks
- Network-level segmentation for containers
- Threat detection and response
- Aligns with zero trust best practices

Field Deployments in Classified Environments

DPG Solutions is the trusted leader in delivering secure, on-premise Rancher Government Stack solutions, fully deployed and automated within secured government environments.

This architecture is not theoretical. It's running today, supporting sensitive workloads, disconnected environments, and security-first requirements across agencies with mission-driven goals.

Through the integration of these tools into a single SPaaS layer, RGS and DPG have reduced manual steps, tightened control, and created consistent, scalable approach for federal teams operating under pressure.

A Clear Path for Secure Infrastructure

RGS and DPG Solutions give government teams a reliable, tested solution that simplifies deployment, reduces risk, and supports both current and future workloads. There is no guesswork, no vendor lock-in, and no reliance on proprietary software.

This stack runs in places most solutions can't. And it's ready now.

To learn more about our better together solution visit:

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