

Streamlining Airgap Workflows with Rancher Government Hauler

Addressing Data Movement in Airgapped Environments for U.S. Government Missions

Secure and reliable data movement is critical for government and military operations, especially in disconnected environments. Safeguarding sensitive information often requires airgapped environments, which can present challenges when moving and managing essential artifacts. Traditionally, this task relies on custom scripts crafted to move the artifacts between isolated environments. But these in-house scripts can be a double-edged sword.

While they facilitate data transfers, their complex nature often leads to time-consuming and costly maintenance, slowing operational efficiency and putting critical missions at risk. Every line of code, every intricate command, of these custom scripts can open a door to security vulnerabilities, posing a significant threat to the very information they are designed to protect.

With the U.S. Government customer in mind, Rancher Government Solutions is excited to introduce Hauler, the single, lightweight binary solution designed to streamline workflows within these isolated systems. Hauler eliminates the need for complex, time-consuming, and costly custom scripts, offering an effortless and secure way to fetch, package, and distribute essential artifacts.

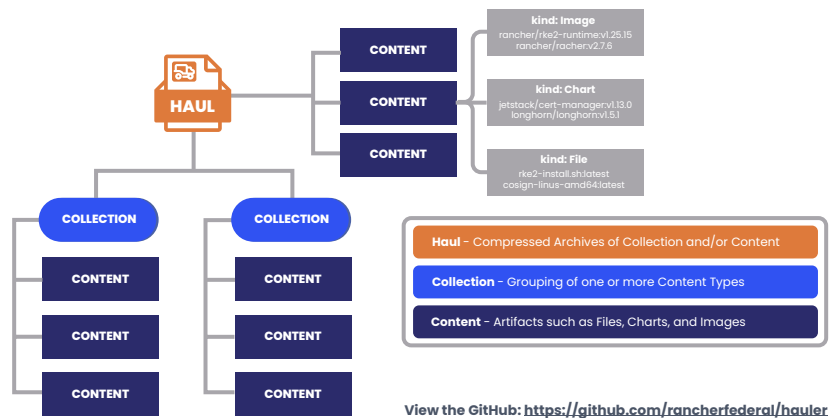


HAULER

The Single Binary Solution for Effortless Artifact Management

Hauler’s intuitive design and functionality allow government and military customers to focus on their critical missions instead of battling complex scripting challenges. By leveraging the power of Hauler, users can:

- **Simplify Data Transfers:** Effortlessly manage the collection and distribution of essential assets between disconnected environments.
- **Enhance Efficiency:** Eliminate the burden of resource and time-intensive scripts and workflows, enabling teams to work on other valuable projects.
- **Strengthen Security:** Mitigate the risks associated with complex scripts and workflows, ensuring the integrity of sensitive information.



Hauler represents a significant leap forward in managing data within airgapped environments. The tool’s simplicity and efficiency are backed by Rancher Government’s secure-by-default suite of products, making it an invaluable add-on asset for any government or military organization operating in low-comms or remote settings.

Instead of being bogged down by the intricacies of crafting and maintaining custom scripts, Hauler allows users to effortlessly fetch, package, and distribute any asset – container images, Helm charts, files, you name it – with a few intuitive commands and a simple manifest file.

Turning Complex Scripts into Idempotent Tooling | Benefits of Hauler

This streamlined approach eliminates the need for complex in-house scripting, saving valuable O&M costs while ensuring the integrity of critical data. Other benefits include:

Zero Dependencies

Unlike traditional tools burdened by dependencies, Hauler operates as a single, lightweight binary. This eliminates the need for additional software installations, simplifying deployment and reducing the overall system footprint. This streamlined approach facilitates faster deployments, easier maintenance, and more efficient use of system resources.

Interoperability without Lock-in

Hauler embraces Rancher Government's open-source, platform-agnostic philosophy. Unlike other solutions that lock you into their specific platforms, Hauler works within the Rancher suite and integrates effortlessly with your existing applications. This flexibility empowers you to choose the tools that best suit your needs without being constrained by vendor limitations.

Secure by Default

At Rancher Government, secure-by-default products for government and military operations are what we do, and Hauler is no exception. Through Rancher Government Carbide, our add-on service built to secure the software supply chain, users gain access to the pre-configured Hauler manifest file with built-in security controls designed to minimize risk, ensure the integrity of sensitive information, and meet security compliance standards through automated checks against DISA's STIGs.

Simplified Workflows

Hauler streamlines the process of moving artifacts between airgapped environments. Its intuitive command-line interface and easy-to-use manifest file make it simple to manage data workflows. Whether users are seasoned IT professionals or novices, Hauler's user-friendly design allows for the efficient movement of essential artifacts so teams can focus on the core mission.

Built-in Bootstrapping

Rancher Government understands government and military customers unique challenges working in disconnected environments like the tactical edge. Hauler has built-in bootstrapping utilities to address these challenges, including an embedded registry and fileserver, allowing it to operate independently, even without external infrastructure. This self-contained design provides reliable operations regardless of the environment, giving users greater flexibility and resilience in airgapped workflows.

Reduced Operation & Maintenance Costs

Hauler not only simplifies your workflow but also translates to significant cost savings. By eliminating the need for in-house scripting expertise and reducing the time spent on manual processes, Hauler minimizes operation and maintenance costs. This frees up budgets for other critical initiatives, so users focus on maximizing the effectiveness of their operations.

About Rancher Government Solutions (RGS)

Rancher Government Solutions is specifically designed to address the unique security and operational needs of the U.S. Government and military as it relates to application modernization, containers, and Kubernetes. Rancher is a complete open-source software stack for teams adopting containers. It addresses the operational and security challenges of managing multiple Kubernetes clusters at scale while providing DevOps teams with integrated tools for running containerized workloads.

RGS supports all Rancher products with U.S.-based American citizens with the highest security clearances currently supporting programs across the Department of Defense, Intelligence Community, and civilian agencies.

Interested in learning more about our secure-by-default Kubernetes solutions?

Contact us at info@ranchergovernment.com