Flight.Atlas
BY SOLVE KINETIC

Flight Atlas Installation Guide

Version 1.0.0 | Windows 11 Pro and Enterprise

This guide walks an administrator through a new Flight.Atlas installation, initial validation, and LAN client setup. Complete the steps in order and keep the installation computer powered on until setup reports a successful result.

Important installation confirmation

When prompted, type INSTALL in ALL CAPITAL LETTERS.

The confirmation is case-sensitive. Install, install, or any other variation will not start the installation.

Private on-premises flight records for local-network and VPN access

Before You Begin

Flight.Atlas runs on the customer-owned Windows server through Docker Desktop. The first installation requires internet access for Windows components, Docker Desktop, and container images. Normal use is local to the customer network or VPN.

Requirement	What you need
Operating system	Windows 11 Pro or Windows 11 Enterprise
Permissions	A Windows account that can approve Administrator prompts
Virtualization	Hardware virtualization enabled in firmware; Hyper-V VMs also require nested virtualization
Network	Internet access for initial prerequisites and image downloads; correct physical or Hyper-V virtual switch selected
Storage	Local or network media storage accessible to the Windows account used for installation
Package	The complete Flight.Atlas-1.0.0.zip release package

Recommended Preparation

- Install Windows updates and restart the computer before beginning.
- Confirm the intended network adapter or Hyper-V virtual switch is connected to the LAN clients will use.
- Use a DHCP reservation or static LAN address for the Flight.Atlas server whenever practical.
- Close other applications that may use the selected HTTP or HTTPS ports.
- If LAN users must open or add flight media, decide whether Flight.Atlas will use a server-hosted SMB share or an existing NAS share, and verify permissions before installation.
- Do not run setup from inside the ZIP file. Extract the entire package first.

Install Flight Atlas

1. Extract the release package

Right-click Flight.Atlas-1.0.0.zip, choose Extract All, and extract it to an empty local folder. A short path such as C:\Flight.Atlas is recommended.

2. Start the guided installer

Open the extracted folder, open deployment\windows, and double-click Start-FlightAtlasSetup.cmd. Approve the Windows Administrator prompt.

Install Flight Atlas Continued

3. Allow prerequisite setup if required

The guided setup checks Windows, virtualization, WSL, Docker Desktop, and Docker Compose. If a restart is required, restart Windows and use the Continue Flight.Atlas Setup shortcut placed on the desktop.

Complete the Guided Setup

4. Review the installation settings

Confirm or change the hostname, HTTP and HTTPS ports, media root, and administrator identity. The defaults use high ports to reduce conflicts with other services.

5. Create the administrator password

Enter a password containing at least eight characters. Store it securely; Flight.Atlas does not use a cloud password-recovery service.

6. Confirm the installation

At the confirmation prompt, type exactly: **INSTALL** and press Enter.

INSTALL is case-sensitive and must be entered in ALL CAPITAL LETTERS. Any other capitalization cancels or prevents the installation from starting.

7. Wait for completion

Setup creates the isolated Docker environment, database, credentials, TLS certificate, firewall rules, desktop shortcut, scheduled tasks, and LAN client setup package. Image downloads and the first build can take several minutes. Do not close the command window.

8. Verify the completion message

A successful run reports that Flight.Atlas repair and setup checks passed and displays the local Flight.Atlas address. Press Enter only after reviewing the result.

Media Storage and Network Shares

Flight.Atlas uses a server-local folder for Docker media access and a Windows path that administrators and LAN clients use to locate flight folders. Treat these as separate paths even when they refer to the same files.

Recommended managed storage

For a server-hosted media library, create a local physical folder such as C:\FlightAtlasData\Media and share that folder through Windows as Media. The resulting client-facing path will resemble \\SERVER-NAME\Media. Flight.Atlas 1.0.0 does not create this SMB share automatically; create and permission the share before relying on LAN folder access or Auto Import.

Use the physical local folder for Docker and server-side scanning. Use the UNC share path for location and flight media paths that must open from other computers. Do not replace the Docker bind folder with a UNC path.

Existing network share or NAS

An existing share such as \\NAS01\FlightMedia may be used when the Windows account that installed Flight.Atlas and runs its scheduled tasks has permission to read it. Grant write permission if administrators will add or reorganize media through that account.

Required media checks

Before completing production setup, verify all of the following:

- The physical media folder exists and Docker Desktop can read it.
- The SMB share points to the intended physical folder.
- The UNC path opens from the Flight.Atlas server under the installation account.
- The same UNC path opens from a LAN client.
- The Auto Import scheduled-task account can read the configured watch folder.

Avoid using an alternate DNS or Tailscale alias for an SMB share unless the Flight.Atlas server can also open that exact alias. A name that works from client computers may fail when the server connects back to itself.

Validate the Server

Complete these checks before configuring another computer:

- Open the Flight.Atlas desktop shortcut on the server.
- Sign in with the administrator account created during setup.
- Create or open a test location and confirm the map and location details load.
- Restart Windows, allow Docker Desktop to start, and confirm Flight.Atlas becomes available again.

Configure a LAN Client

1. Find the client setup folder

On the Flight.Atlas server, locate Flight.Atlas LAN Client Setup on the Public Desktop. If it is not visible on an individual desktop, check C:\Users\Public\Desktop.

Configure a LAN Client Continued

2. Copy the complete folder

Copy the entire Flight.Atlas LAN Client Setup folder to the Windows client computer. Keep all files together, including the certificate and JSON configuration file.

3. Run the client setup

On the client computer, double-click Setup-FlightAtlasLanClient.cmd and approve the Administrator prompt. The utility maps the hostname, trusts the installation certificate, registers folder opening, creates a desktop shortcut, and opens Flight.Atlas.

4. Verify access

Open https://flight-atlas.local using the configured HTTPS port shown in the shortcut. Confirm the page loads without a certificate warning.

LAN Address and Network Notes

The server installation captures an active server IPv4 address when it creates the LAN Client Setup package. The client utility uses that address to map flight-atlas.local. The address is not permanently embedded in the Flight.Atlas application, but existing client mappings do not automatically follow a later server IP change.

- For a physical server, use a DHCP reservation or static LAN address whenever practical.
- For a Hyper-V server, connect the VM to the virtual switch that reaches the intended LAN.
- If the server IP changes, run Repair-FlightAtlas.cmd on the server and redistribute the refreshed LAN Client Setup folder.
- The Windows firewall rules permit the configured ports on Domain and Private network profiles.

Common Problems

The installer window closes immediately

Use the 1.0.0 release package, extract it completely, and start deployment\windows\Start-FlightAtlasSetup.cmd. Approve the Administrator prompt.

Docker reports virtualization support not detected

Enable hardware virtualization in firmware. For a Hyper-V VM, enable nested virtualization on the Hyper-V host while the VM is powered off.

Typing the confirmation does not start installation

Type INSTALL in ALL CAPITAL LETTERS. The prompt is case-sensitive; install and Install are not accepted.

LAN setup reports a conflicting hosts entry

Open the Windows hosts file as Administrator and remove only the existing line containing flight-atlas.local, then rerun the LAN client setup.

The LAN page times out

Verify that flight-atlas.local resolves to the server address, test the configured HTTPS port, confirm the VM uses the correct virtual switch, and confirm the server network profile and firewall permit access.

The Open Flight Folder button does not open a folder

LAN clients can open UNC paths such as \\server\share\FA-0001. A server-local C:\ path can only be opened on the Flight.Atlas server.

Auto Import folders do not appear

Auto Import scans every five minutes. After waiting approximately six minutes, refresh the Auto Import page. The page does not continuously refresh itself.

Use the required folder structure: <watch root>\<location ID>\<YYYY-MM-DD[-description]>. For example: \\SERVER-NAME\Media\FA-0002\2026-09-22-Roof-Survey. Separate an optional description from the date with a hyphen, not a space.

A dated folder is reported only when it contains at least one supported photo, RAW image, or video. Confirm that the watch folder is Active and that the scheduled task named Flight.Atlas Auto Import reports a last result of 0.

A scheduled-task result of 0 confirms that the script completed, but Flight.Atlas 1.0.0 may still skip an unavailable watch folder with only a warning. From the server, run Test-Path against the exact UNC watch path. If it returns False, correct hostname resolution, permissions, or the scanner path before continuing.

When local storage is shared to clients, the safest configuration keeps the server scan path local and the recorded media path as UNC. If those paths cannot be configured separately in the installed release, contact Solve Kinetic support before placing the installation into production.

Maintenance Tools

The deployment\windows folder contains the supported maintenance launchers:

- Repair-FlightAtlas.cmd restores the running environment, certificates, firewall rules, shortcuts, LAN package, and scheduled tasks without removing customer data.
- Update-FlightAtlas.cmd installs a newer release while preserving configuration, database volumes, license, ports, installation identity, and media root. Its confirmation is UPDATE and is case-insensitive.
- Uninstall-FlightAtlas.cmd removes the application while preserving data unless the separate destructive confirmation is supplied.

Installation Record

Item	Recorded value
Installation date	

Server computer name	
Server LAN address	
Flight.Atlas hostname	
HTTPS port	
Media root	
Administrator username	

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