AVISTRATA
AVIATION BUSINESS PLATFORM

Setting up a hangar with multiple aircraft spots

A to-scale floor plan of your hangar, with every aircraft where it really parks

Quick guide · Hangar → Setup and Hangar → Layout · Avistrata 2.2

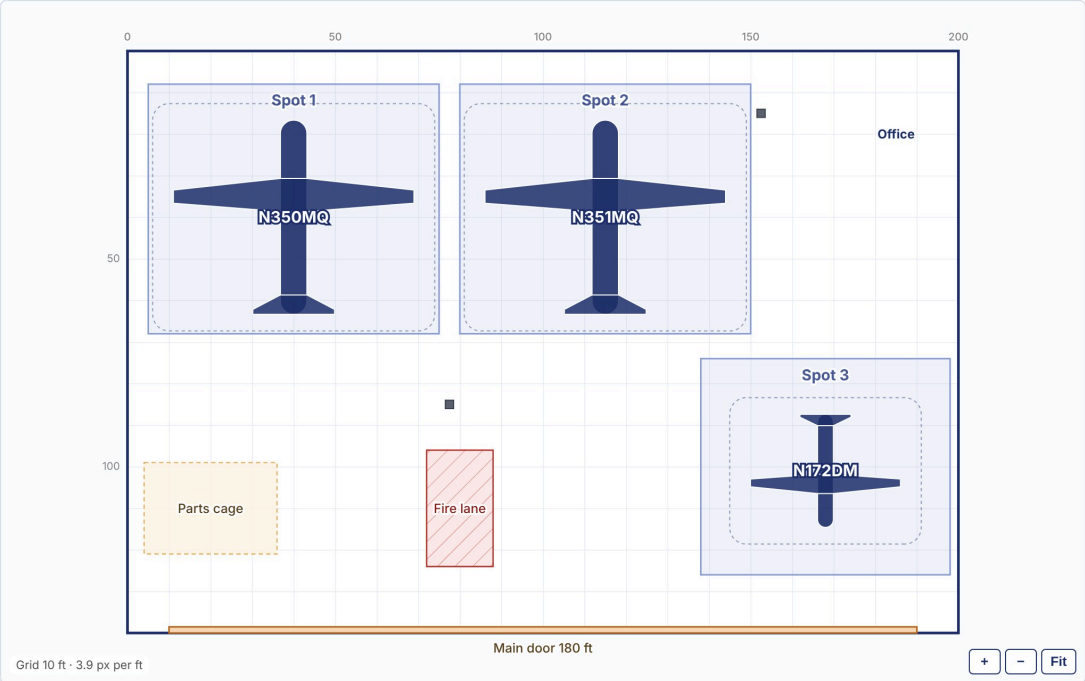
A hangar that holds several aircraft is set up in two places: **Hangar → Setup** for its size and spots, then **Hangar → Layout** to draw where everything sits. You can give it fixed spots (bays), or leave it as one open space that holds a number of aircraft.

1 · Add the hangar
Floor size, door, clearances

2 · Split into spots
One bay per aircraft spot

3 · Draw the layout
Spots, door, columns, zones

4 · Park the aircraft
Bookings appear in their spots



Hangar 3 (200 × 140 ft, sample data): three spots, a 180 ft main door, two columns, a parts cage and a fire lane. The dashed outline around each aircraft is its wingtip and nose/tail clearance; the Checks box says all clear.

1 Add the hangar

1. Go to **Hangar → Setup** and click **+ Add hangar**, or **Edit** on an existing one.
2. Enter the floor width and length, for example 200 × 150 ft.
3. Enter the door width and height.
4. Set the clearances: wingtips, nose and tail, and above the tail. The checks use these.
5. Save.

2 Split it into spots

1. In **Setup**, click the hangar to open it, then click **Split into bays**.
2. Add one bay per aircraft spot, for example "Spot 1", "Spot 2" and "Spot 3".
3. Give each spot the space an aircraft gets there: width, length and height.
4. Tick what the spot has, such as 28 VDC power, jacking or compressed air.

Spot sizes drive the fit check when you book, so make them the real usable space. Spots show on the plan only once the hangar has two or more.

© 2026 Leesburg Aviation LLC. All rights reserved.

3 Draw the layout

1. Go to **Hangar → Layout** and pick the hangar. New spots show as dashed boxes marked "not placed", lined up along the top wall.
2. Drag each spot to where it really is. The corner handle resizes it and the round handle turns it, for spots parked at an angle.
3. Add the fixed things with the toolbar buttons:
   - **+ Door**: drag it to the right wall. Until you add one, the plan assumes a door centred on the bottom wall.
   - **+ Column**: building columns and posts.
   - **+ Work zone**: areas such as the parts cage or wash area.
   - **+ No-park area**: walkways, fire lanes, the area in front of a door.
   - **+ Label**: any text on the plan.
4. Click a shape to type exact numbers (X, Y, width, depth, angle) or give it a name.

Everything saves as you let go.

4 Park the aircraft

1. Book each aircraft into a spot as usual (**+ Book aircraft**, or **Book hangar** on a work order).
2. On **Layout**, set **Aircraft at** to a date and time. Every aircraft booked then appears in its spot as a top-view outline, sized from its wingspan and length.
3. Drag an aircraft to its exact parking position. The position is saved with that booking.

Checks (listed beside the plan, problems in red):

- through a wall, or closer than the wingtip clearance;
- overlapping or too close to another aircraft;
- hitting a column, or parked in a no-park area;
- parked outside the spot it's booked into.

When you book, Avistrata also warns if an aircraft probably won't fit beside the others in that space at the same time. An aircraft without a wingspan and length shows as a grey box and isn't checked; set its sizes in **Setup → Aircraft sizes**.

> **No fixed spots? Use one open space.** If aircraft park wherever they fit, skip step 2. Instead, set **Aircraft at once** on the hangar to how many it holds, for example 4. On **Layout** you then place the aircraft anywhere on the floor, and the same checks and the booking warning apply to the whole hangar.

Tips

To	Do this
Move a shape	Drag it, or use the arrow keys (Shift for 10 steps)
Turn a shape	Round handle (15° steps, Shift for 1°), or press R for 90°
Remove a door, column or zone	Select it and press Delete, or click Remove
Zoom and pan	Scroll to zoom, drag the background to pan, Fit to see the whole hangar
Snap to the grid	Snap: off, ½ ft, 1 ft or 5 ft
See what's in now	Floor tab → Floor plan
Share the plan	Export PNG

Only maintenance planners can change the layout; everyone else sees it read-only. Aircraft shapes are approximate outlines from wingspan and length, not manufacturer drawings.