

Location Accuracy

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Location Accuracy

You can perform a location accuracy test for a single device with multiple location points. You can use the Location Accuracy Test tool to validate the placement and number of access points (APs), for a good location accuracy experience. The Location Accuracy tool provides you with the ability to quantify the location accuracy for a specific location. During the Location Accuracy test, the administrator uses a wireless client device to measure the difference between the actual and the calculated location of a device.

Restrictions for Location Accuracy

- The display refresh time is three seconds and cannot be reconfigured.
- You cannot run this location accuracy test on APs with external antennas. However, location detection is supported on these APs.
- You cannot reconfigure the display refresh time. The display refresh time is three seconds.
- The sample count displayed during a location accuracy test is a best-effort estimate of location values collected during back end processes. This sample count may differ from actual samples captured during an accuracy test.

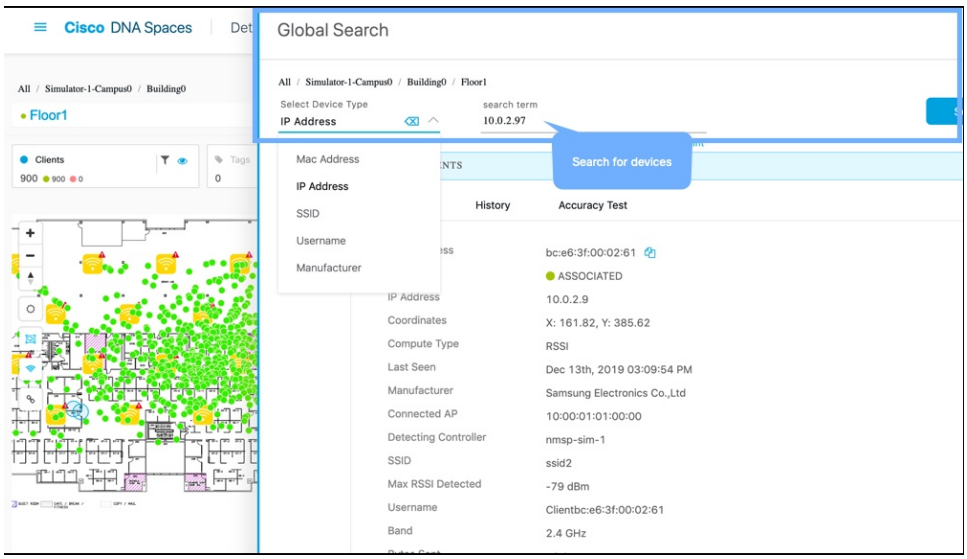
Test Location Accuracy

This Cisco Spaces: Detect and Locate shows you how to run the location accuracy test.

Procedure

Step 1 From the Detect and Locate dashboard, search for a device using a MAC address from the **Search MAC, IP, SSID, Manufacturer** text field.

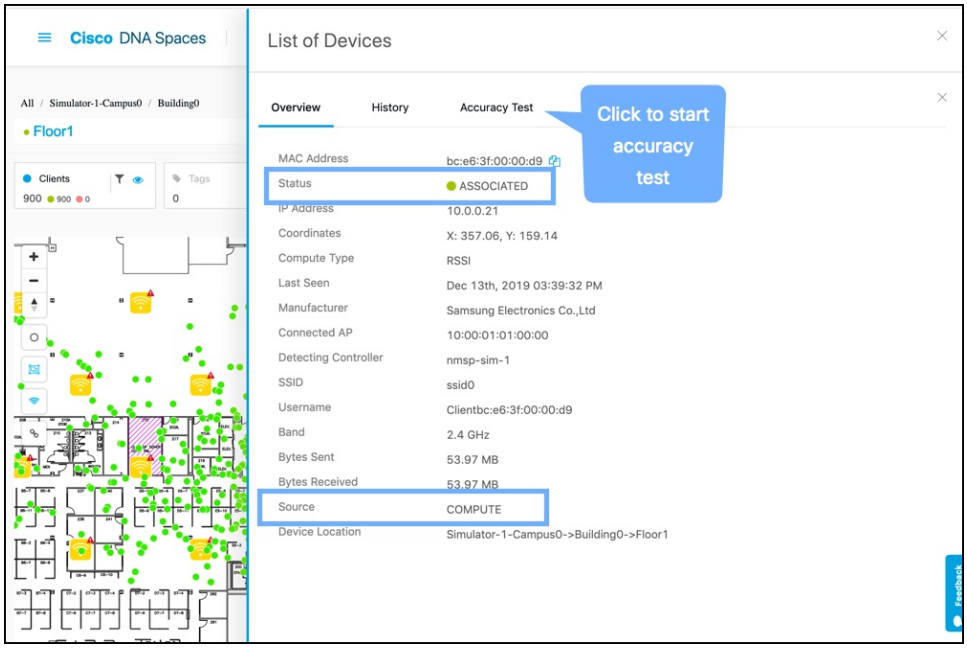
Figure 1: Detect and Locate: Dashboard



Step 2 Ensure that the **Status** of the device is **ASSOCIATED** and the **Source** is **COMPUTE**.

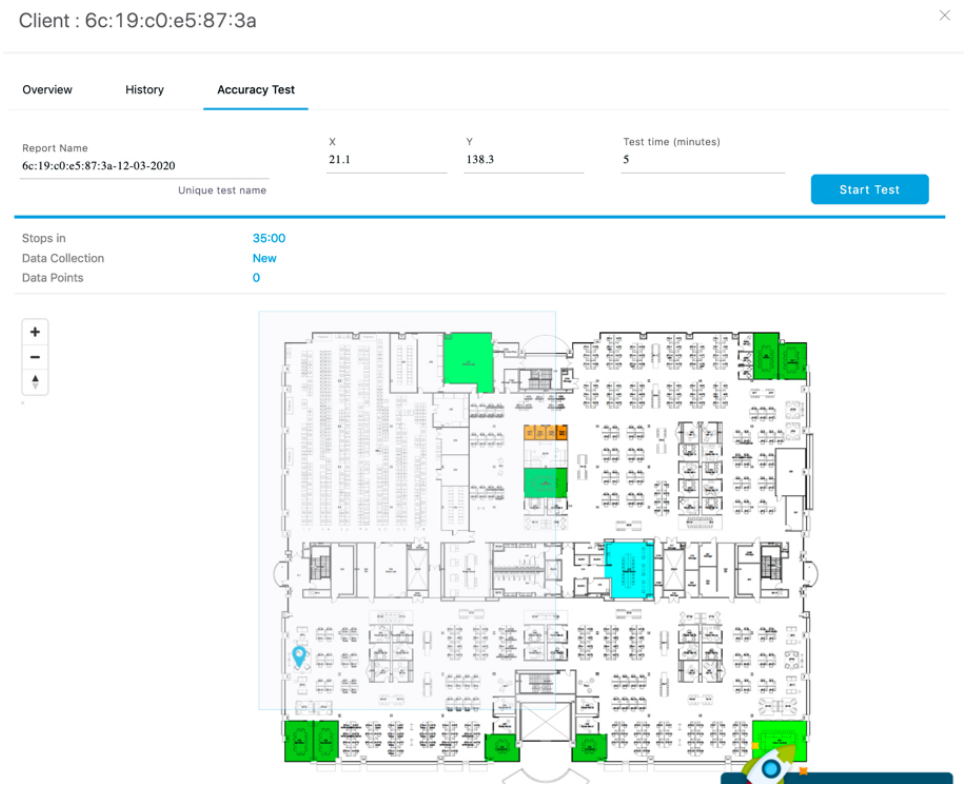
Step 3 In the device details window, click **Accuracy Test** tab.

Figure 2: Detect and Locate; Initiate Accuracy Test



Step 4 Enter a unique report name. Move the blue pointer to the client's real-time location or adjust the X and Y coordinates. To begin, click **Start Test**.

Figure 3: Detect and Locate Initiate Accuracy Test

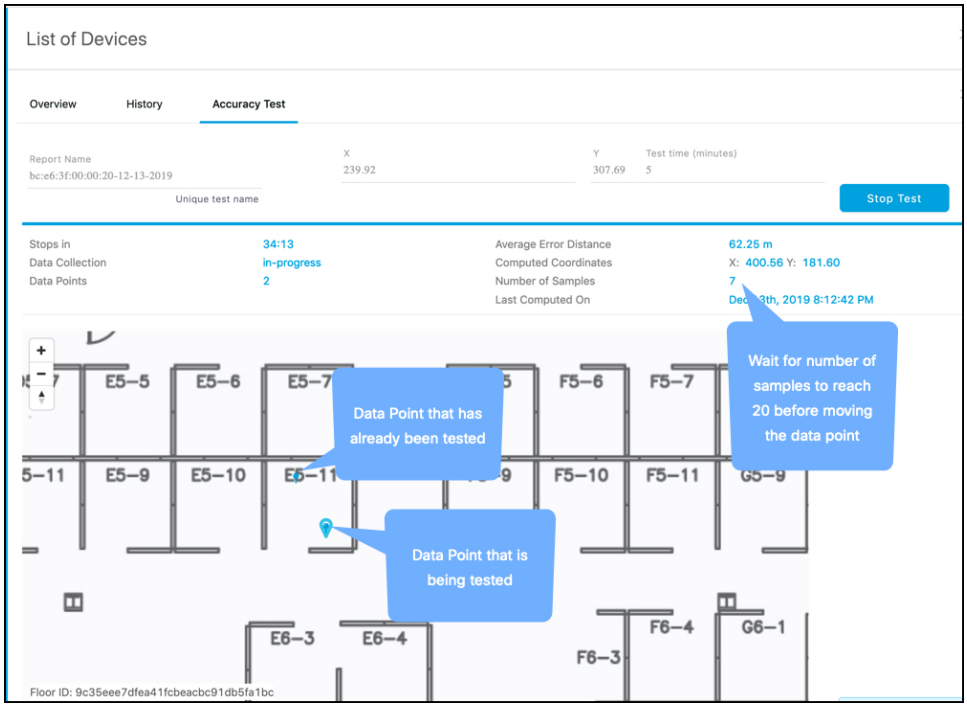


You can observe that the number of samples begins to increase.

Note
The display refresh time is three seconds.

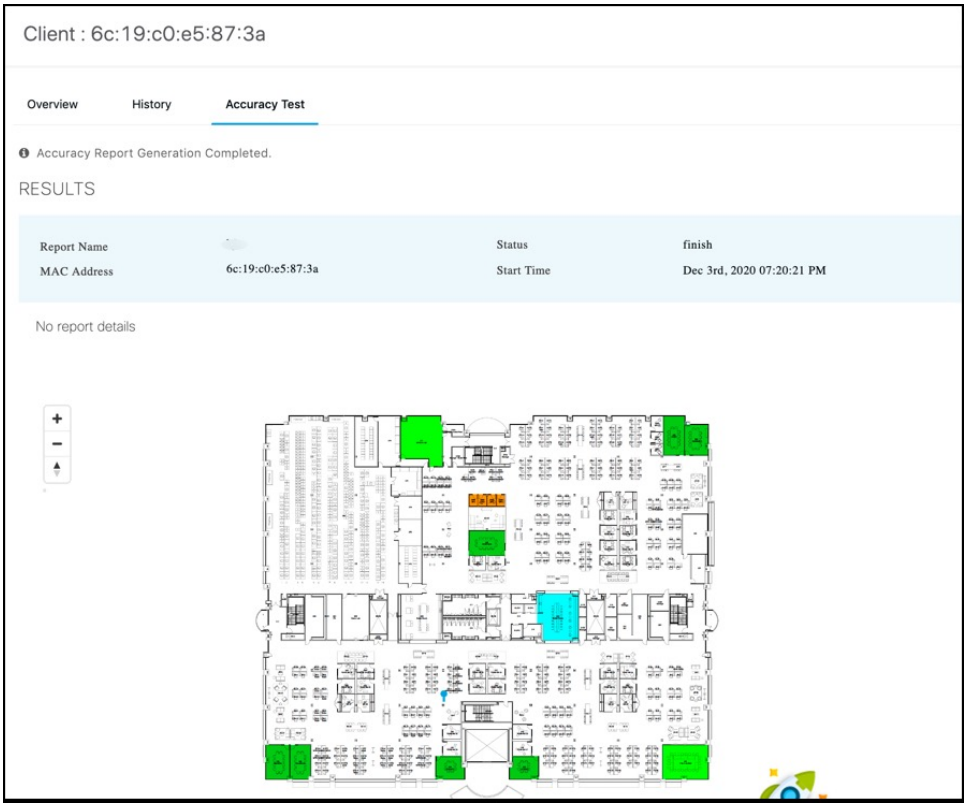
Step 5 Wait for the number of samples to reach 20 and click **Stop Test**. Move the blue pointer representing the data point to a new location and click **Start Test** again.

Figure 4: Sample Size Must Reach 20



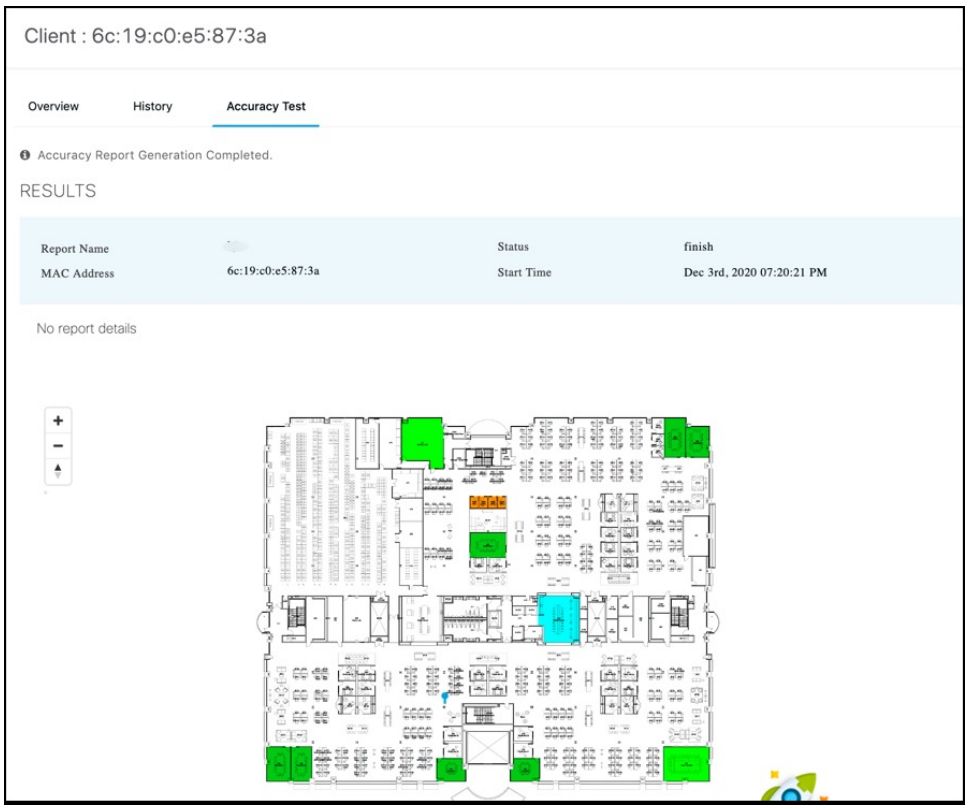
Step 6 Repeat for multiple locations for a more accurate understanding of location accuracy.

Figure 5: Repeat For Multiple Locations



Step 7 Repeat for multiple locations for a more accurate understanding of location accuracy.

Figure 6: Repeat For Multiple Locations



The accuracy reports are generated after the accuracy testing is done. You can also check it from the Detect and Locate left navigation bar under **Accuracy Report**.

Figure 7: Repeat For Multiple Locations

