

Fileset Association types and precedence

There are several ways Filesets may be associated with devices, and the method used will affect activation. This article shares example associations.

It does not matter if this is an Association or a Deployment. Each client has one manifest and the below rules apply, however the link between Fileset and Client is established.

1:1 Associations

These are direct associations between a Fileset and a device (or clone)

Standard Association

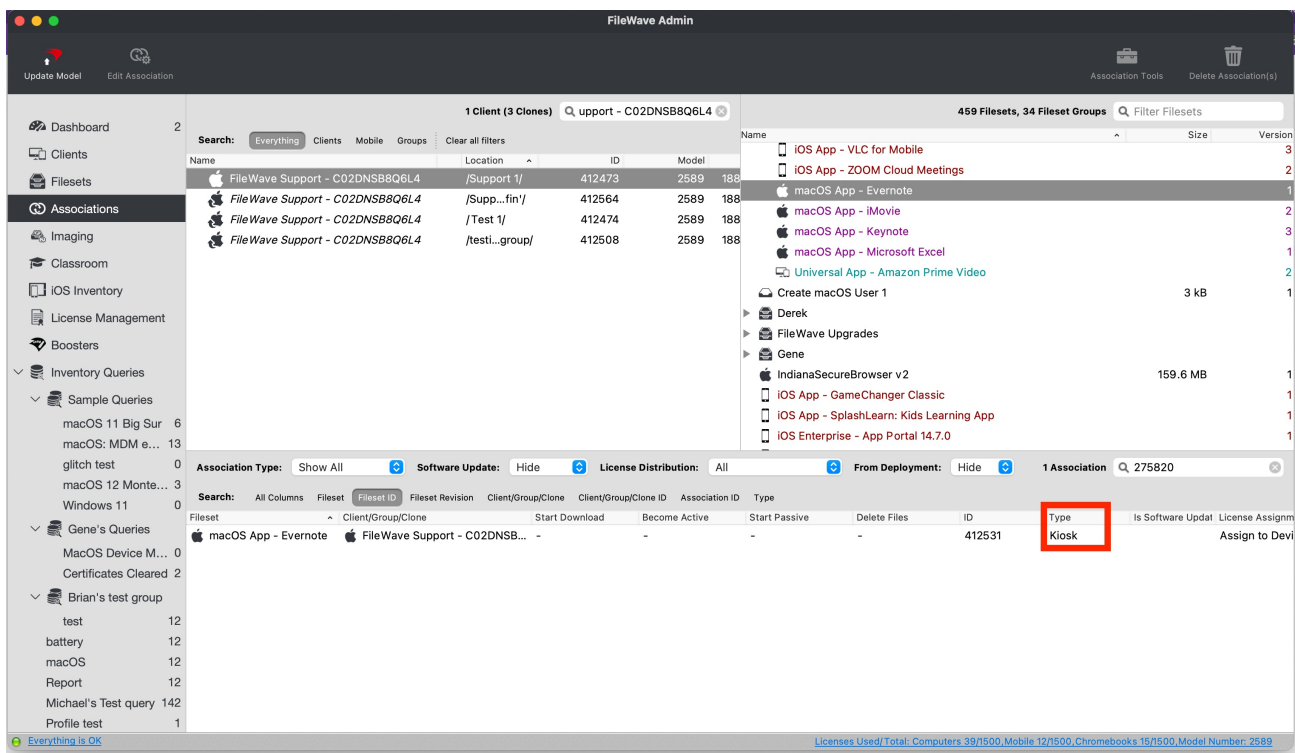
Automatically installed without user intervention

The screenshot displays the FileWave Admin console. On the left, a sidebar menu includes options like Dashboard, Clients, Filesets, Associations, Imaging, Classroom, iOS Inventory, License Management, Boosters, Inventory Queries, Sample Queries, Gene's Queries, and Brian's test group. The main area is titled '1 Client (3 Clones)' and shows a table of clients. The table has columns for Name, Location, ID, Model, and Version. The first client is 'FileWave Support - C02DNSB8Q6L4' with ID 412473 and Model 2589. The second client is 'FileWave Support - C02DNSB8Q6L4' with ID 412564 and Model 2589. The third client is 'FileWave Support - C02DNSB8Q6L4' with ID 412474 and Model 2589. The fourth client is 'FileWave Support - C02DNSB8Q6L4' with ID 412508 and Model 2589. On the right, a panel titled '3 Filesets, 1 Fileset Group' shows a table of filesets. The first fileset is 'FileWave_macOS_Client_14.7.1_9366c3ecf2' with a size of 80.8 MB. The second fileset is 'FWWinClientUpgrade_14.7.1_4d05a15e' with a size of 41.5 MB. The third fileset is 'iOS Enterprise - App Portal 14.7.0'. Below the fileset table, there is a section for 'Association Type' with filters for 'Show All', 'Software Update', 'License Distribution', and 'From Deployment'. The 'Association Type' is set to 'Show All'. The 'Software Update' is set to 'Hide'. The 'License Distribution' is set to 'All'. The 'From Deployment' is set to 'Hide'. The 'Association ID' is 412473. The 'Type' is 'Standard'. The bottom of the screen shows a status bar with 'Everything is OK' and 'Licenses Used/Total: Computers 39/1500, Mobile 12/1500, Chromebooks 15/1500, Model Number: 2589'.

In the above image, one Fileset is associated directly with this device; Type – Standard

Kiosk Associations

User initiated installation from the Kiosk Menu Item or System Tray.

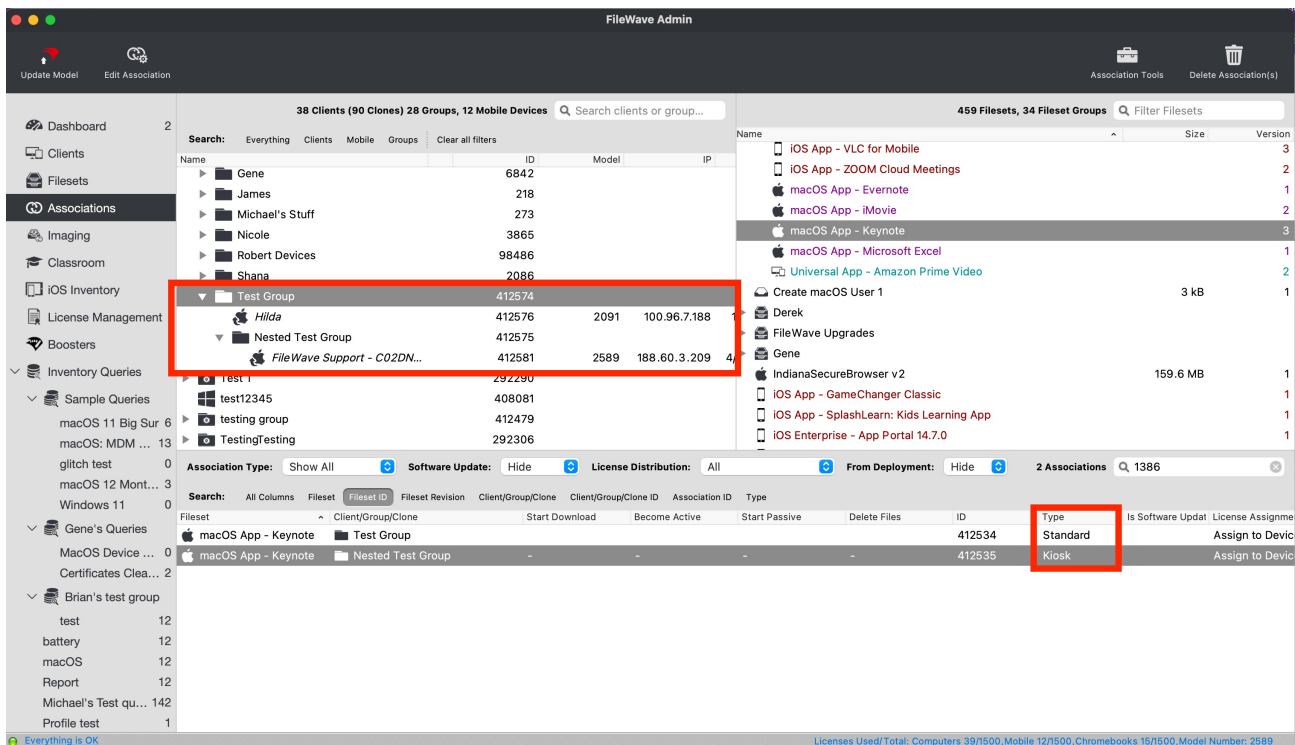


In the above image, one Fileset is associated directly with this device; Type – Kiosk

Group Based Associations

These are associations between a Fileset and a Client Group.

The below image shows the same Fileset associated with two different client groups; one group nested inside another group.

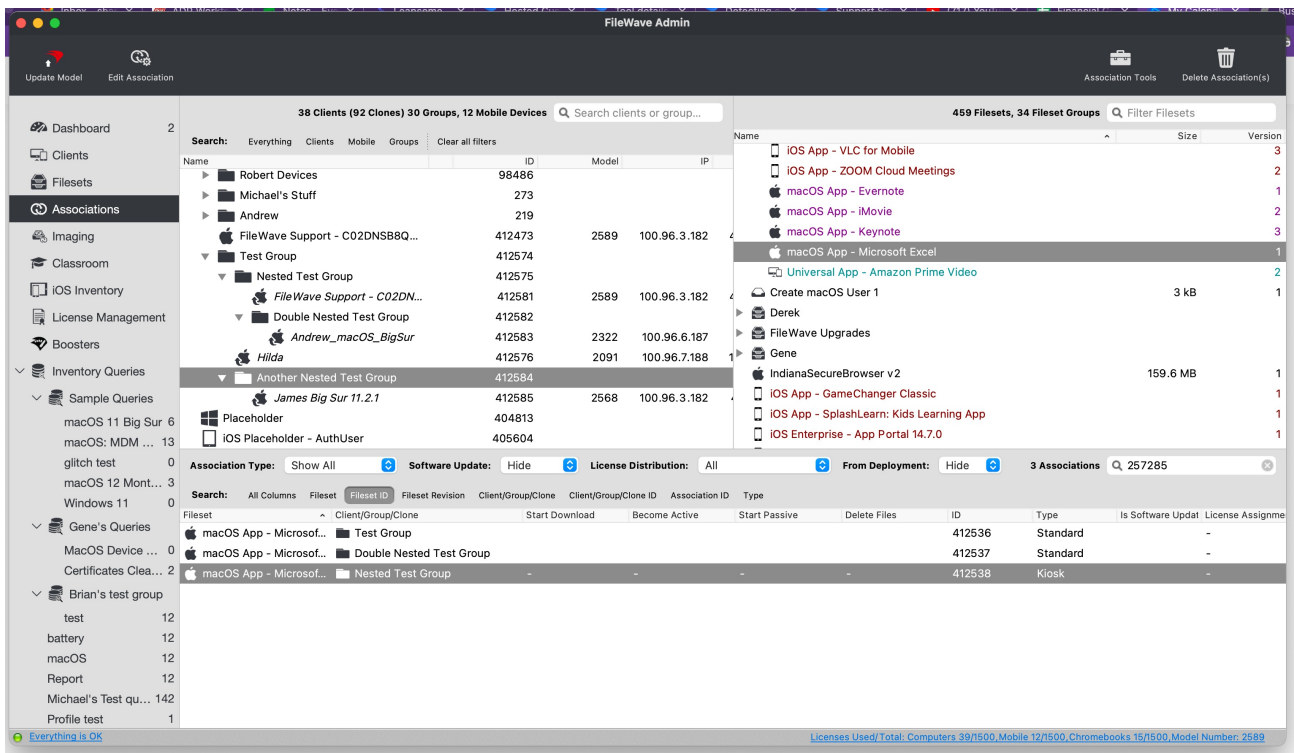


This example demonstrates the Keynote Fileset associated with two Client Groups: Test Group and Nested Test Group.

Expected behavior:

- Client 'Hilda' will install Keynote without user intervention
- Client 'FileWave Support - C02DNSB8Q6L4' will have Keynote available to the user via the Kiosk.

The below image provides another more complex example, with more nested groups.



Excel Fileset is associated with three groups: Test Group, Nested Test Group, and Double Nested Test Group.

Expected behavior:

- Client 'FileWave Support - C02DNSB8Q6L4' will have Excel available via Kiosk.
- Client 'James Big Sur 11.2.1', 'Andrew_macOS_BigSur' and 'Hilda' will install Excel without user intervention.

Association Distance

Where the same Fileset is associated to a device by more than one path, the device's 'closest' association should win.

- Direct Association to devices is closer than a Direct Association to a Clone
- Association to a parent group is closer than one if its nested groups
- Association to a group is closer than a Clone within that group.

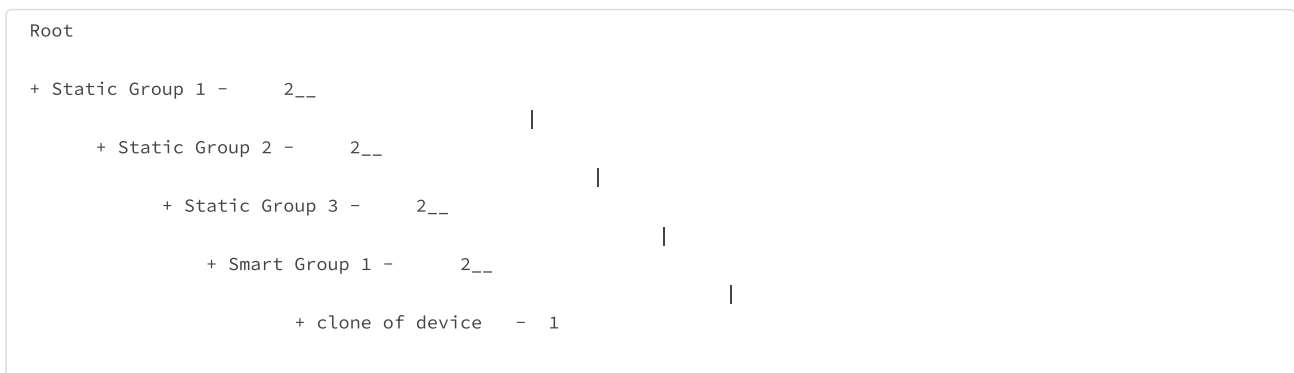
Each association is given a score.

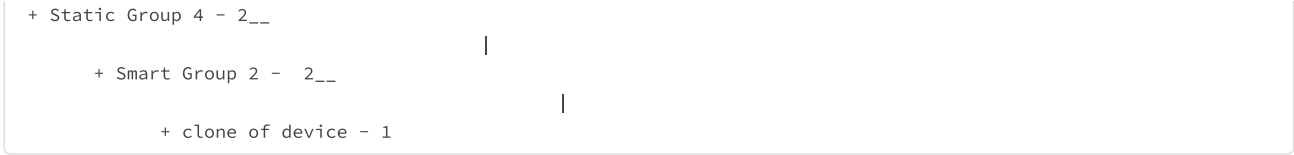
Association to...	Score
Device	0
Device Clone	1
Static/Smart Group	2
Clone of Static/Smart Group	2

The score is determined starting with the device or clone and working back to the actual association.

Example

Consider the below Tree Structure:





Total Scores (lowest score wins):

Association to...	Scoring	Total
Static Group 1	1 + 2 + 2 + 2 + 2	9
Static Group 3	1 + 2 + 2	5
Smart Group 1	1 + 2	3
Clone of device in Smart Group 1	1	1
Static Group 4	1 + 2 + 2	5
Smart Group 2	1 + 2	3

As such, an association to Smart Group 1 is closer than Static Group 4.

Matching Score

Closest always wins; however, where the distance is the same, the highest Association ID will win, which should be the last association created.

Hence, if an association of a Fileset was made to Smart Group 2 and then to Smart Group 1, the association to Smart Group 1 would win, as this equidistant association is the latest and hence will have the highest Association ID.