

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 client clones. The table has columns for Name, Location, ID, Model, and Version. The clients are all 'FileWave Support - C02DNSB8Q6L4' with different locations and IDs. On the right, a panel titled '3 Filesets, 1 Fileset Group' shows a list of filesets. One fileset, 'FileWave_macOS_Client_14.7.1_9366c3ecf2', is highlighted. Below this, a table shows the association details for this fileset, including the Fileset name, Client/Group/Clone, Association ID, and Type. The association is a 'Standard' association with ID 412530.

Name	Location	ID	Model	Version
FileWave Support - C02DNSB8Q6L4	/Support 1/	412473	2589	188
FileWave Support - C02DNSB8Q6L4	/Supp...fin/	412564	2589	188
FileWave Support - C02DNSB8Q6L4	/Test 1/	412474	2589	188
FileWave Support - C02DNSB8Q6L4	/testi...group/	412508	2589	188

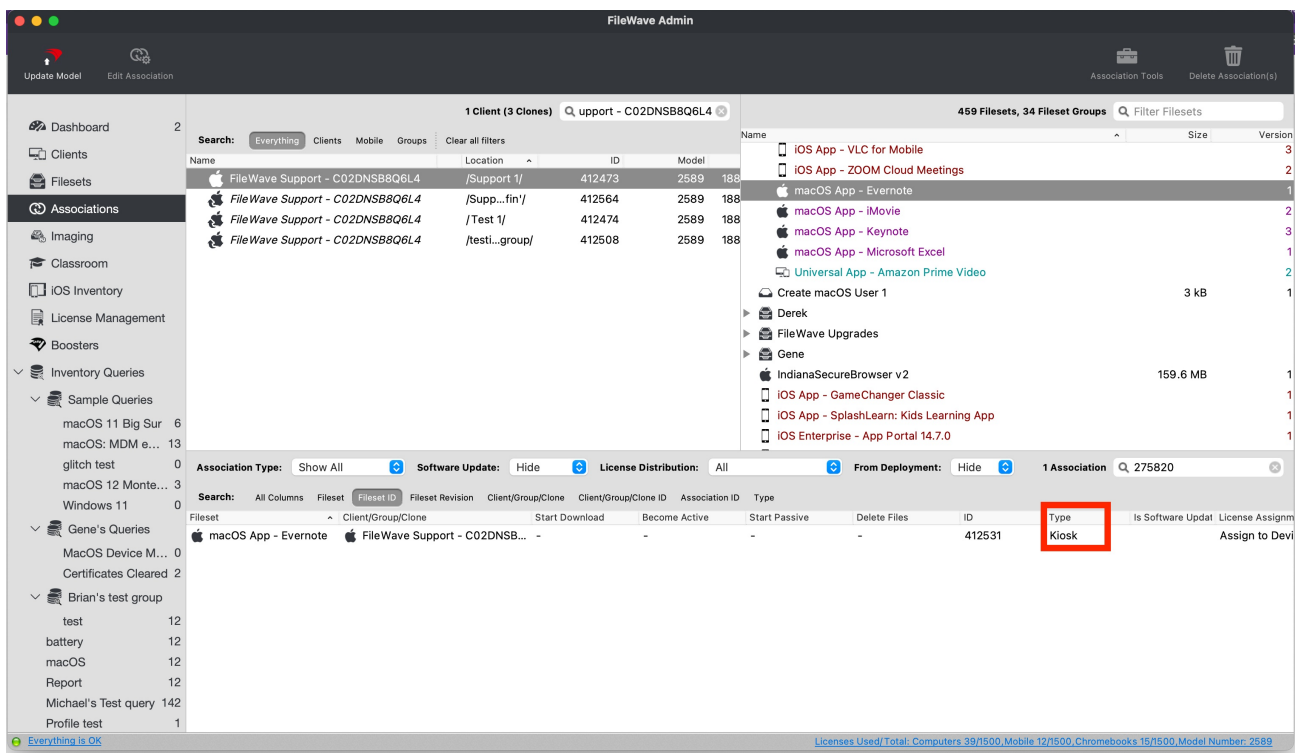
Name	Size	Version
FileWave_macOS_Client_14.7.1_9366c3ecf2	80.8 MB	1
FWWinClientUpgrade_14.7.1_4d05a15e	41.5 MB	1
iOS Enterprise - App Portal 14.7.0		1

Fileset	Client/Group/Clone	Association ID	Type
FileWave_macOS_Client_14.7.1_9366c3ecf2	FileWave Support - C02DNSB...	412530	Standard

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.

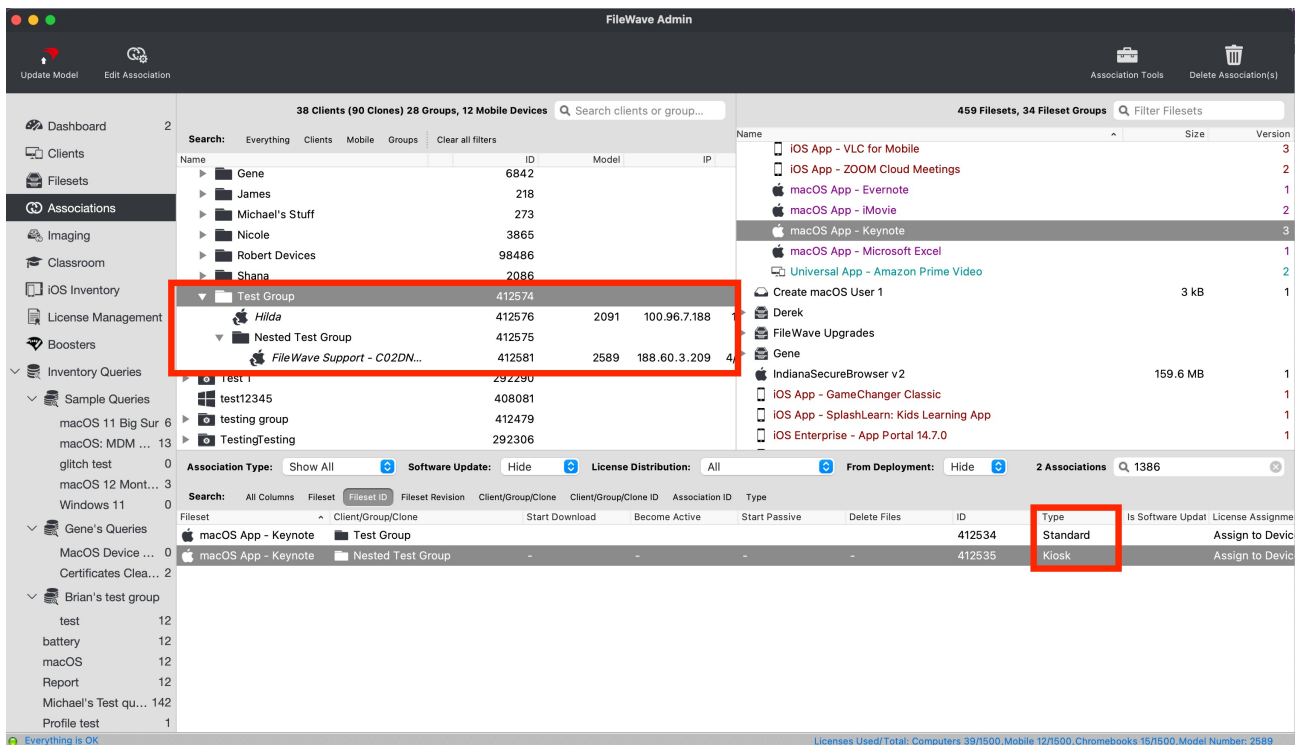


In the above image, one Fileset is associated directly with this device; Type – Kiosk

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.

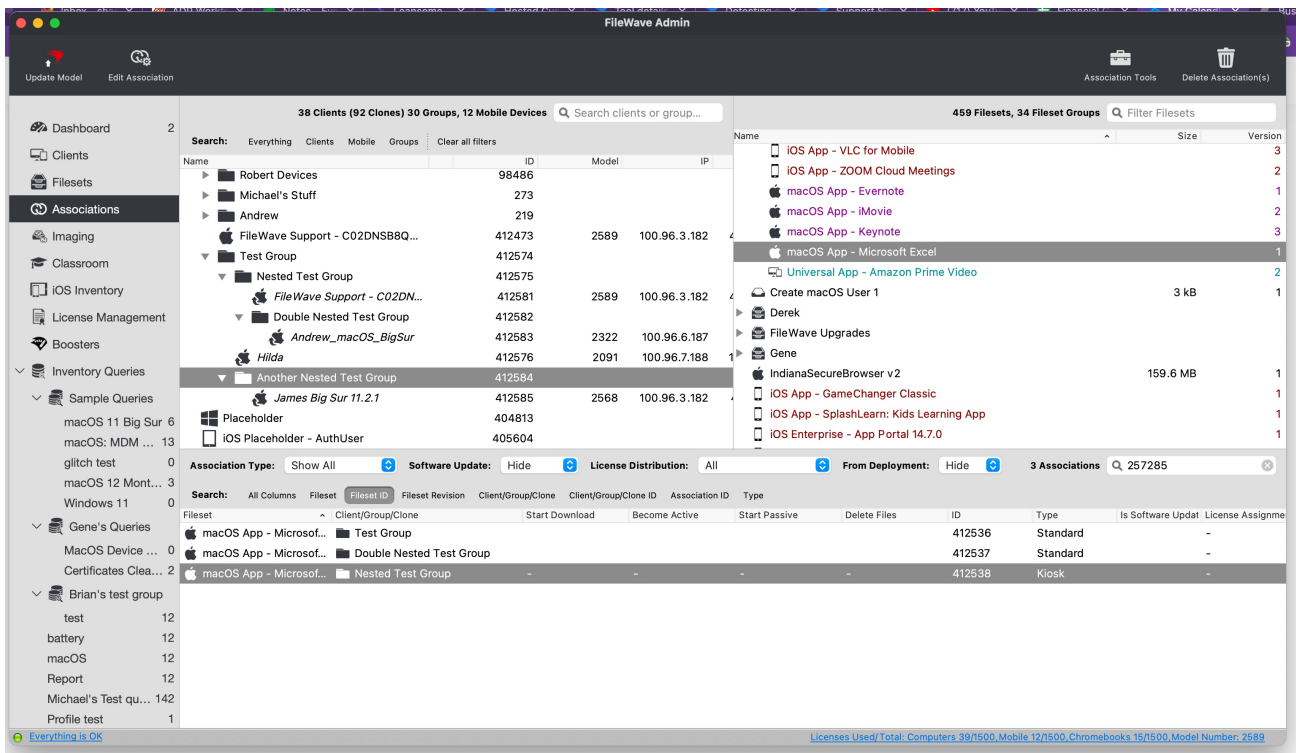


This example demonstrates the Keynote Fileset associated with two Client Groups: Test Group and Nested Test Group.

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.

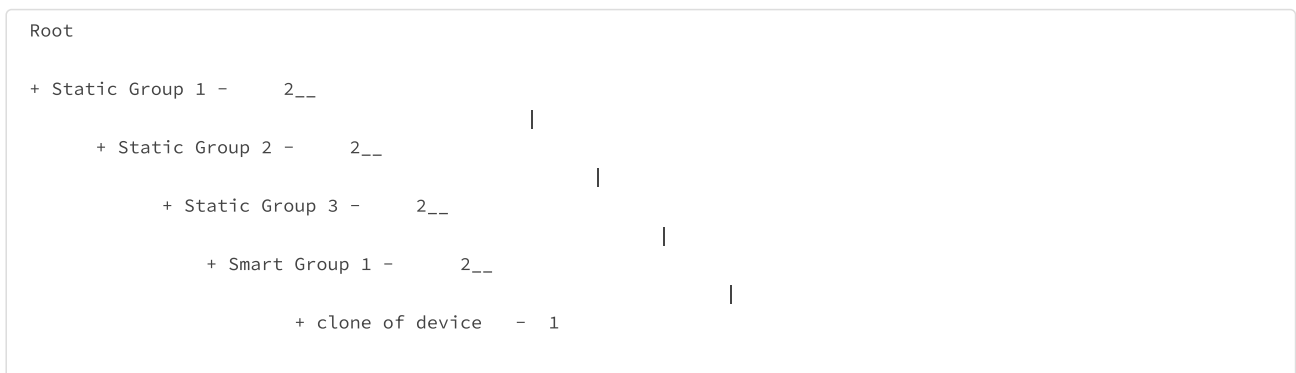
Each association is given a score.

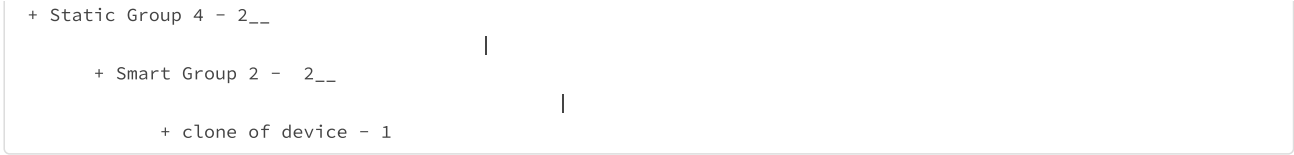
Association to...	Score
Device	0
Device Clone	1
Static/Smart Group	2
Clone of Static/Smart Group	2

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.