ASCollectionView: Loading Content

ASCollectionView   **DataSource**   **DataController**   **Node**

Main thread

validateUpdate

> NSInternalInconsistencyException if data source counts don't line up with previous counts +/- insertions and deletions.

loop [for each index path]

nodeBlockForItemAtIndexPath:

nodeBlock

startMeasuringNodesWithBlocks:

OK

> Main thread is now free to do other stuff.

Background thread

measureNodes

loop [each node block, in parallel]

alloc/init

setAttributedString:

setImageURL:

OK

layout

OK

> All nodes are created and size computed.

Main thread

insertItemsAtIndexPaths:

> Since nodes have cached their layouts, we can now return from sizeForItemAtIndexPath: very quickly.
>
> And, when the cell comes onscreen during scrolling, layoutSubviews will run very quickly and not interfere with scrolling.

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