

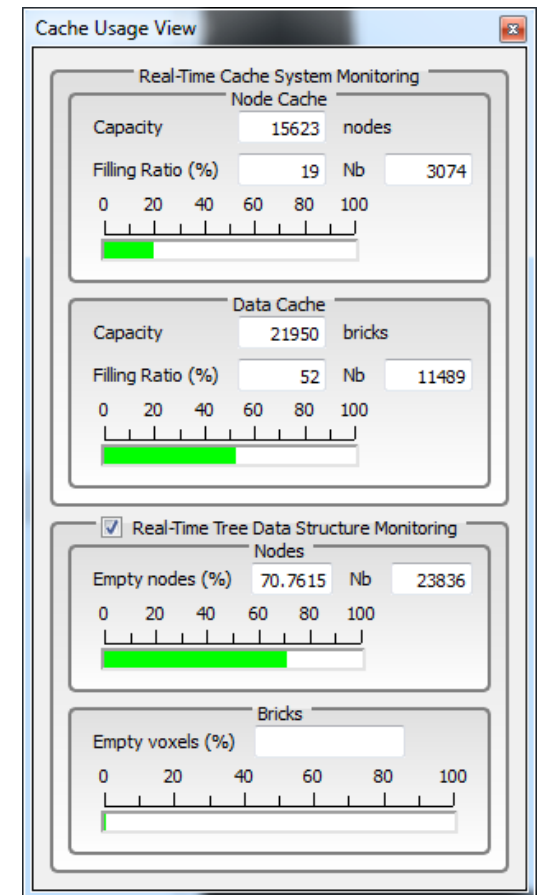
GigaSpace

Real-time Monitoring

« cache and tree »

Motivations

- [1] - be able to display real-time cache usage
 - nodes
 - bricks
- [2] - be able to display real-time tree occupancy
 - nodes
 - voxels



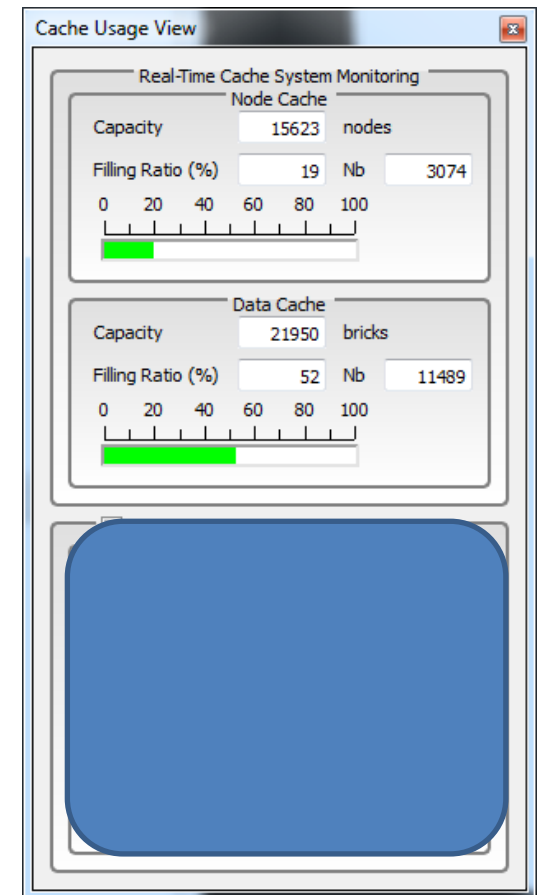
GigaSpace

Real-time monitoring

« cache and data structure »

Real-time cache usage

- nodes
- bricks
- Easy :
 - already computed in the API (from the GigaSpace flow sequence)



GigaSpace

Real-time monitoring

« cache and data structure »

Real-time tree occupancy

- time consuming : so add a check box to monitor or not

- Nodes

- EASY : find number of « empty nodes » in current tree
- add a kernel traversing full hierarchical tree to find leaves
- take into account current « depth max » of the tree
- note : as brick production can modified a node status (ex : from « holdind data » to « empty node »), this post-process must be done after all productions (nodes and bricks)

- Bricks

- compute number of « empty voxels »
- time consuming...

