

Precomputing leaves in trees

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🔧 Precomputing leaves in trees

Improve tree performance – use a calculated Boolean attribute to check in advance whether child nodes exist.

HOW-TO

DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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By default Nuclos does not precompute during tree building whether a node has children – so a node gets an expand icon even if it may be empty. Only clicking reveals that there are no child nodes.



From 4.2024.9

From **Nuclos 4.2024.9** (NUCLOS-10584) you can specify a calculation rule that checks before tree building whether child nodes exist.

Steps

1. Create a data source of type **calculated attribute: Boolean** that determines whether children exist.
2. Add a yes/no attribute (e.g. `children`) to the BO (e.g. *Country*) and assign the calculation rule.
3. To test, open the BO list and show the new attribute.
4. In the BO wizard, on the root BO (e.g. *World*), select the attribute `children` for the node (e.g. *Country*).

Afterwards, childless nodes no longer show an expand icon.

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Trees.

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