

Node Graph Test (*Justin Tymkin*)

Test Category: Visualization		Description: This test verifies that the Node Graph in the Visualizations tab functions properly		
Test Case: 1		Case Name: Node Graph	Version: 1.0	Written By: Justin Tymkin
Requirements Fulfilled: 3.1.1.3.2		Purpose: To ensure the Node Graph opens with the active nodes in the user environment		
Setup Conditions: <ul style="list-style-type: none">1. Launch VSCode2. Click the R-IDE icon in VSCode to open the extension3. Run a node4. Click the Visualization tab to open the Node Graph				
Test Case Activity		Pass/Fail	Comments	Expected Result
1	Click on the Node Graph button in the Visualization tab			A new tab is opened in VSCode with an empty webview
2	Ensure Rosbridge is running			Window pops up asking user if they want to start Rosbridge if not already running
3	Run a publisher node			A circle is created in the webview to represent the publisher node with the name of the node in the circle
4	Run the corresponding subscriber node for the publisher node			Another circle is created in the webview to represent the subscriber node with the name of the node in the circle, a line connecting the nodes is also created with the name of the topic used to communicate

				between the two nodes on the line
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