[03]

Node Anatomy

Detailed Function Controls

THE PRESENTER

Jacob Small
Designated Support Specialist: Generative Design & BIM

@JacobWSmall

SAFE HARBOUR

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AGENDA

01.

15 Minute Presentation:

Node Anatomy

02.

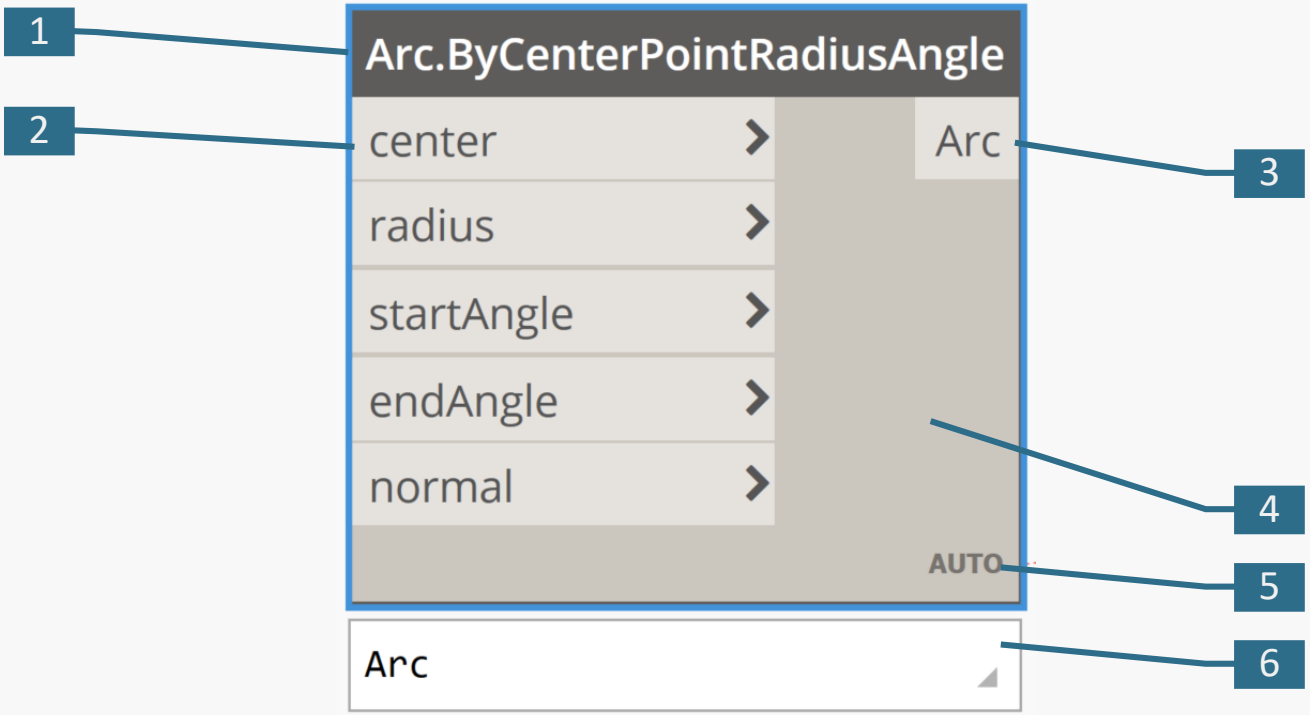
Questions & Answers

03.

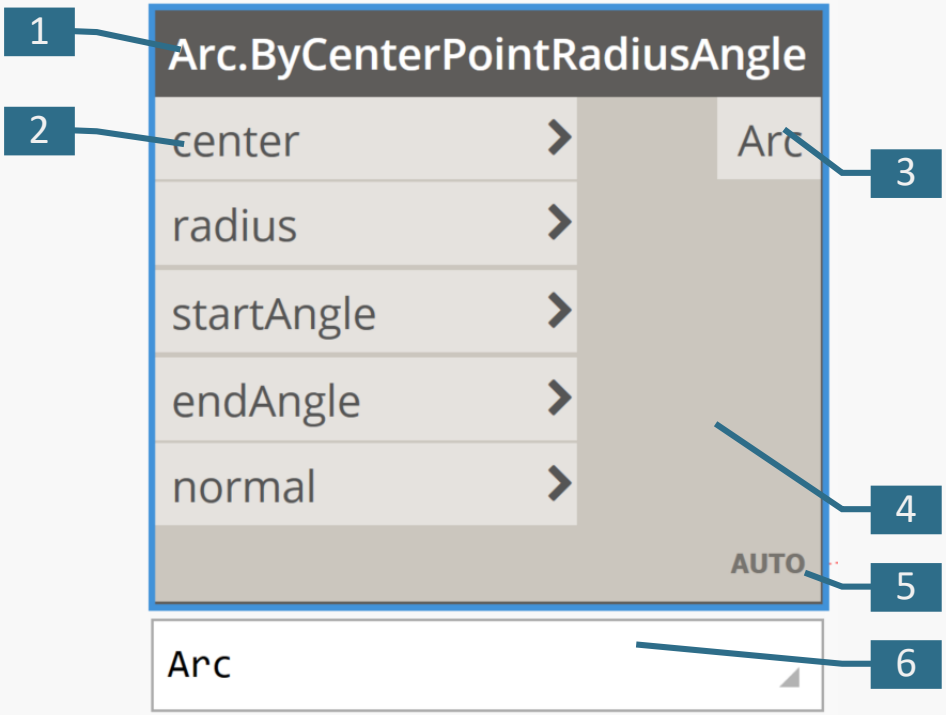
Bonus:

Lists

Anatomy of a node

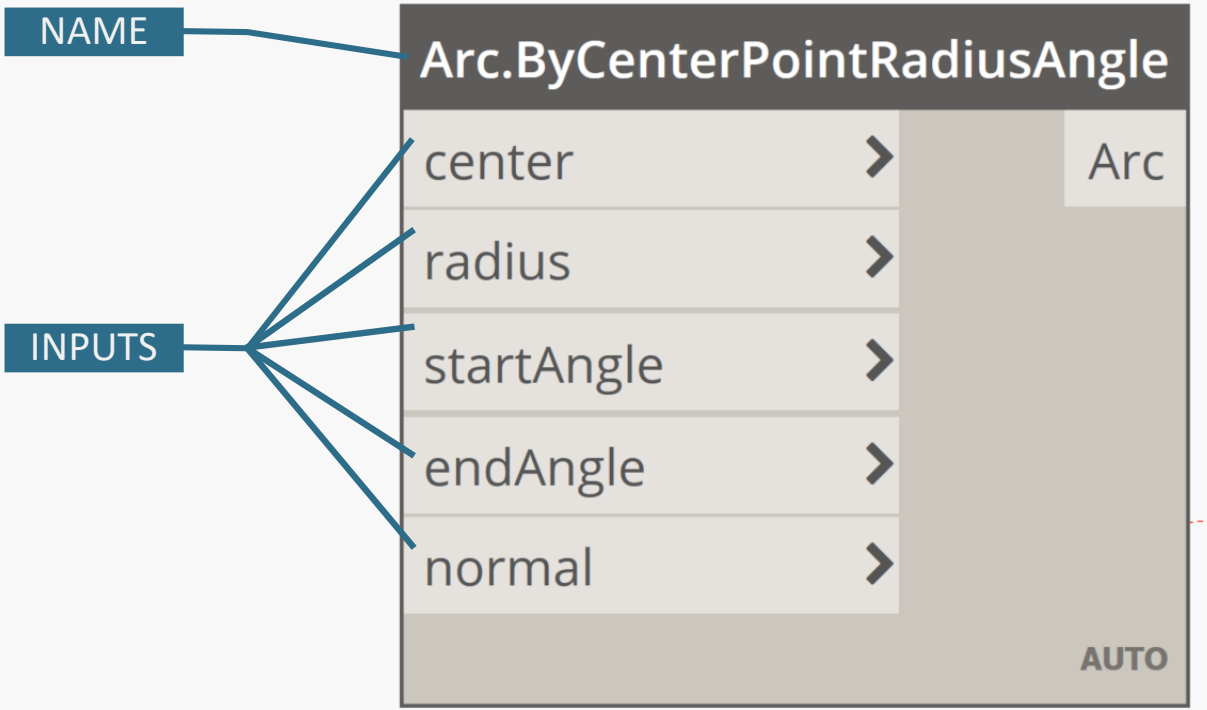


Anatomy of a node

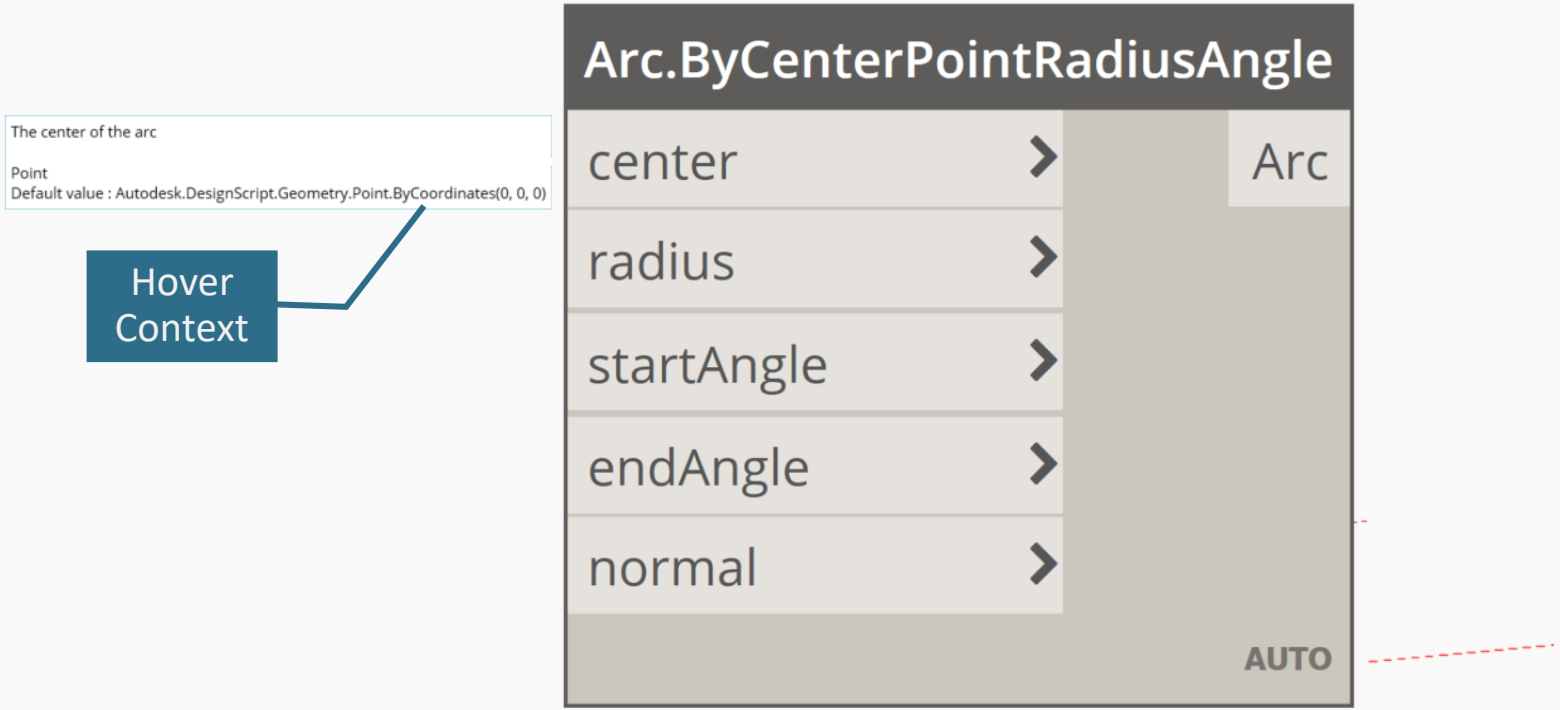


1. Name - The Name of the Node with a Category.Name naming convention.
2. Ports (In) - The receptors for Wires that supply the input data to the Node as well as the results of the Node's action
3. Ports (Out) - The connector for Wires that supply the output data as the results of the Node's action
4. Main - The main body of the Node - Right-clicking here presents options at the level of the whole Node
5. Lacing Icon - Indicates the Lacing option specified for matching list inputs (more on that later)
6. Preview window – allows a review of the output data

Anatomy of a node



Anatomy of a node



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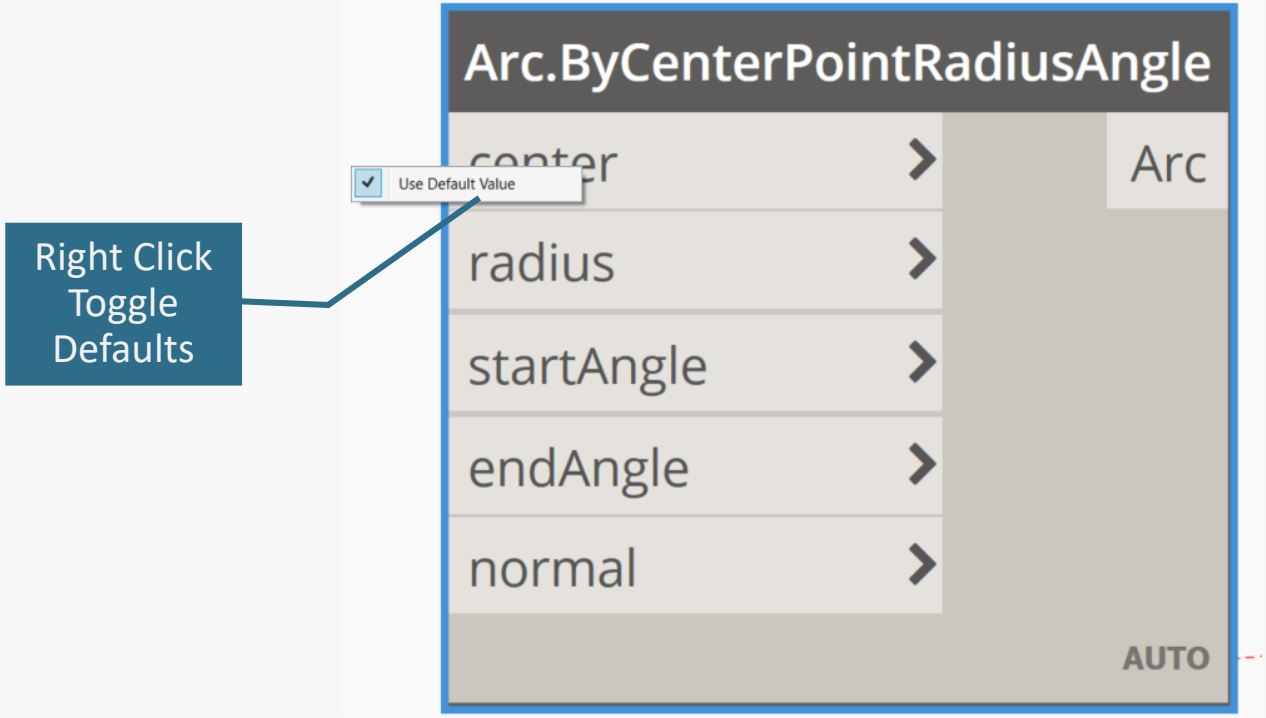
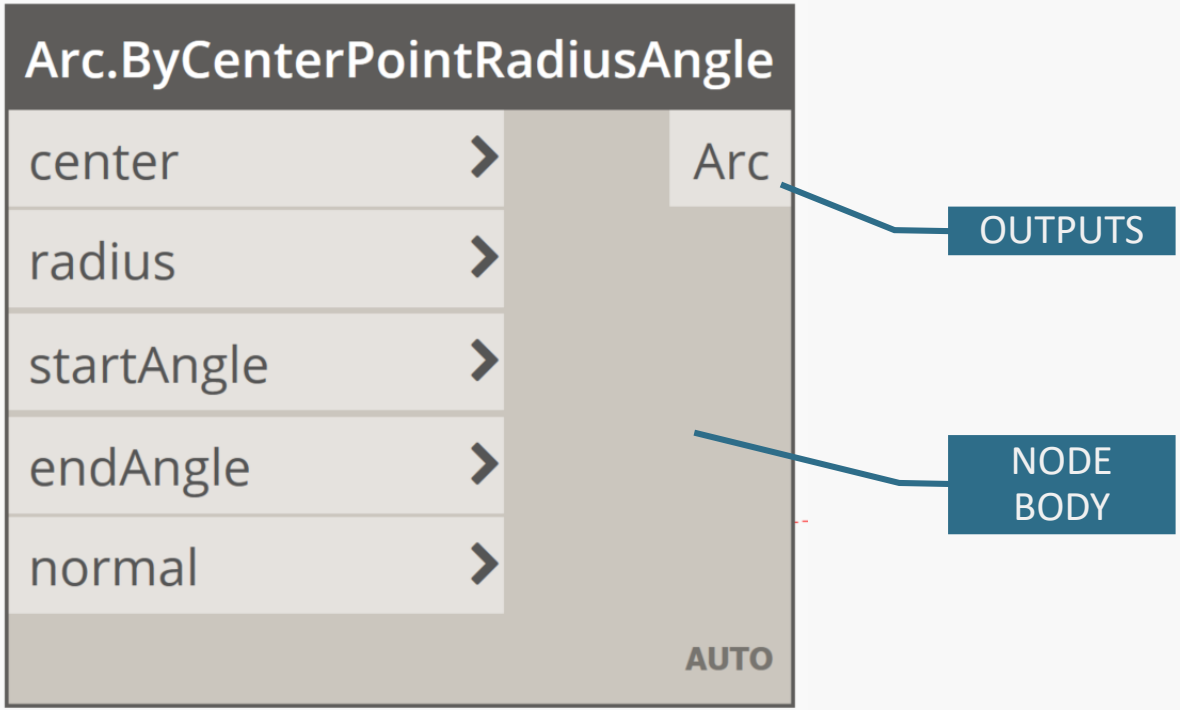


Anatomy of a node



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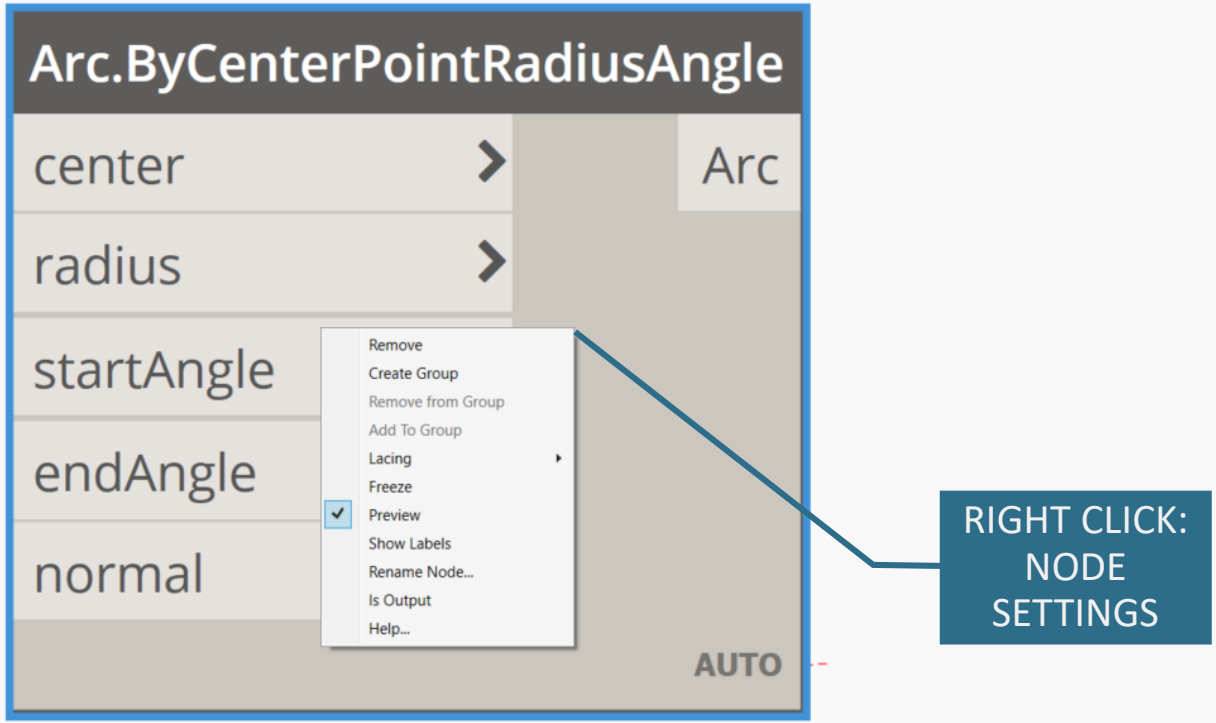

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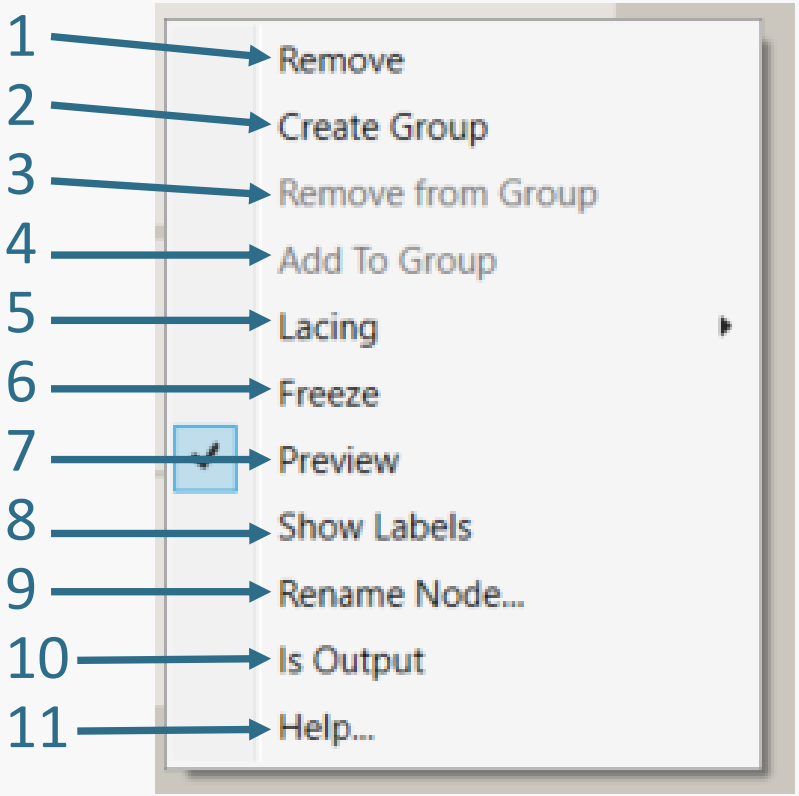
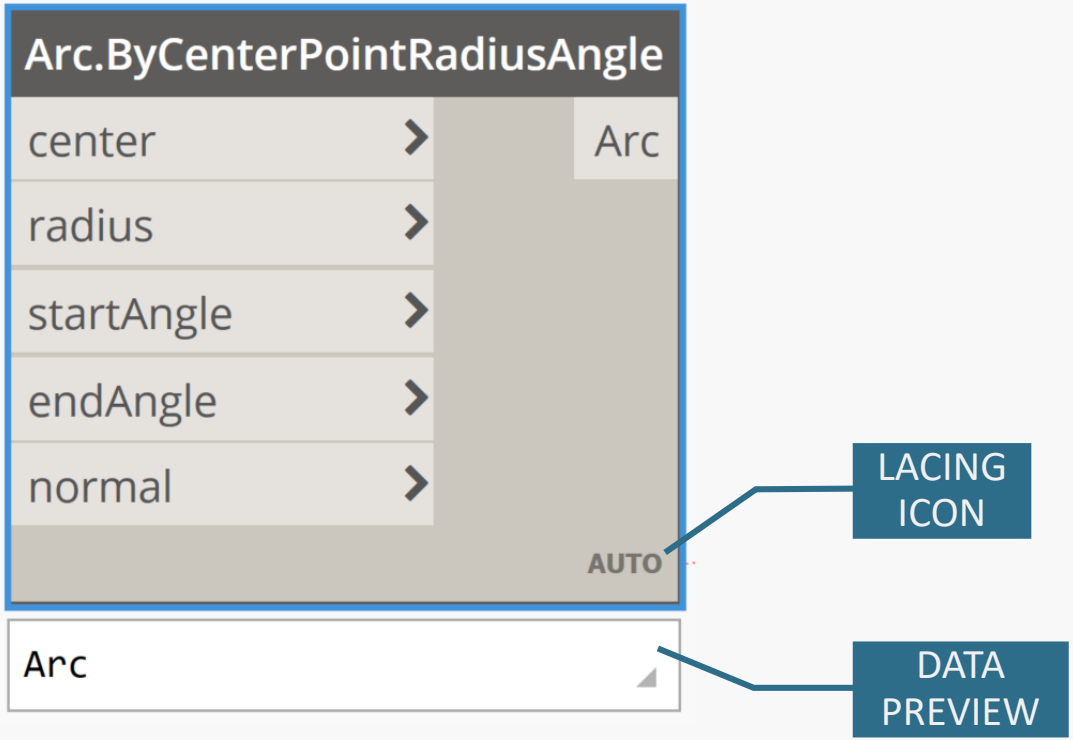


1) Remove – deletes the node from the graph
2) Create group – makes a new group containing the selected node(s)
3) Remove from group – Removes the node from the group which contains it
4) Add to group – adds the node to a selected group (select the group, select the node(s) to add, right click a node and then chose this)
5) Lacing – allows adjustment of lacing options (Auto, Shortest, Longest, Cross Product – more later)
6) Freeze – deactivates the node and all nodes downstream from it so they no longer execute
7) Preview – enables or disables the back round preview of the output (if geometry is created)
8) Show labels - sets list level labels on the back round preview
9) Rename Node – changes the node name. AVOID THIS AS IT MAKES TROUBLESHOOTING DIFFICULT
10) Is Output / In Input – Sets the node to be an input or output for the desired function. A requirement for Dynamo Player usage and Refinery
11) Help – Gives some handy info about the node

Anatomy of a node



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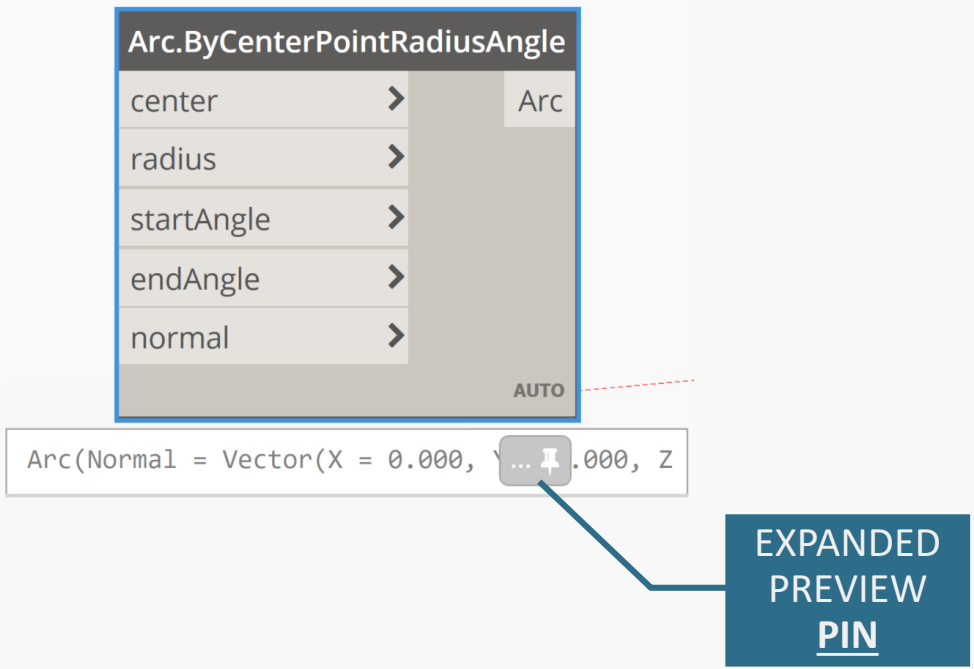


Node States

LEARNING RESOURCES

Bookmark these in your preferred browser

Dynamo Info / News

- Main: http://dynamobim.org/
- Blog: https://dynamobim.org/blog/
- Dynamo Builds: http://dynamobuilds.com/
- Dynamo GitHub: https://github.com/DynamoDS/Dynamo

Dynamo Learning

- Dynamo Primer: http://primer.dynamobim.org
- Dynamo Forums: https://forum.dynamobim.com/
- Dynamo Dictionary: https://dictionary.dynamobim.com
- Dynamo Nodes: https://dynamonodes.com/

Design Script:

- Design Script Language Summary: http://designscript.io/DesignScript_user_manual_0.1.pdf
- Design Script Language Guide: https://dynamobim.org/wp-content/links/DesignScriptGuide.pdf
- Design Script Presentation: https://github.com/Amoursol/dynamoDesignScript

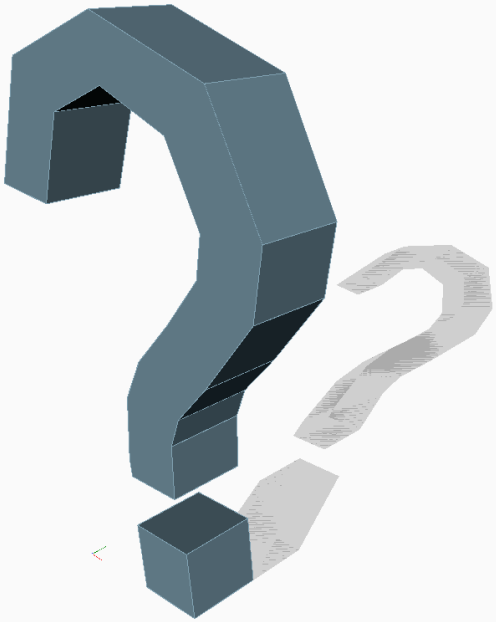
Dynamo Python:

- Python for Dynamo AU Lab Handout 1: https://docs.google.com/document/d/1_ms_ZyyKoaWbWbcio3CN5qTI2Ywq4OJep3SIsWOXXuI/edit#heading=h.76xq4kaz9plc
- Python for Dyanmo AU Lab Handout 2: https://github.com/Amoursol/dynamoPython/blob/master/images/DivingDeeper_ABeginnersLookAtPythonInDynamo_AU_London2018.pdf
- Python for Dynamo examples: https://github.com/Amoursol/dynamoPython

Generative Design:

- Info: https://www.autodesk.com/campaigns/refinery-beta
- Generative Design Primer: https://www.generativedesign.org/
- Beta Site: https://feedback.autodesk.com/key/RefineryLanding

Questions?



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