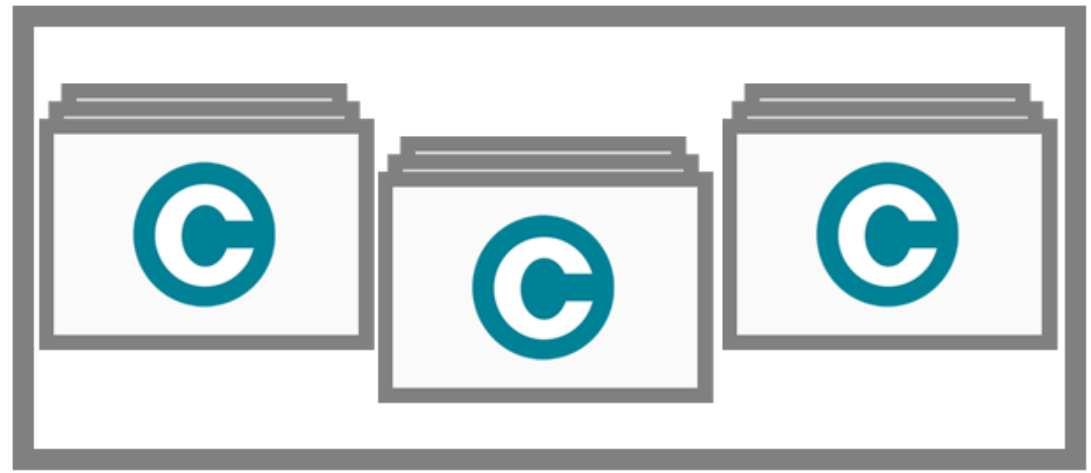
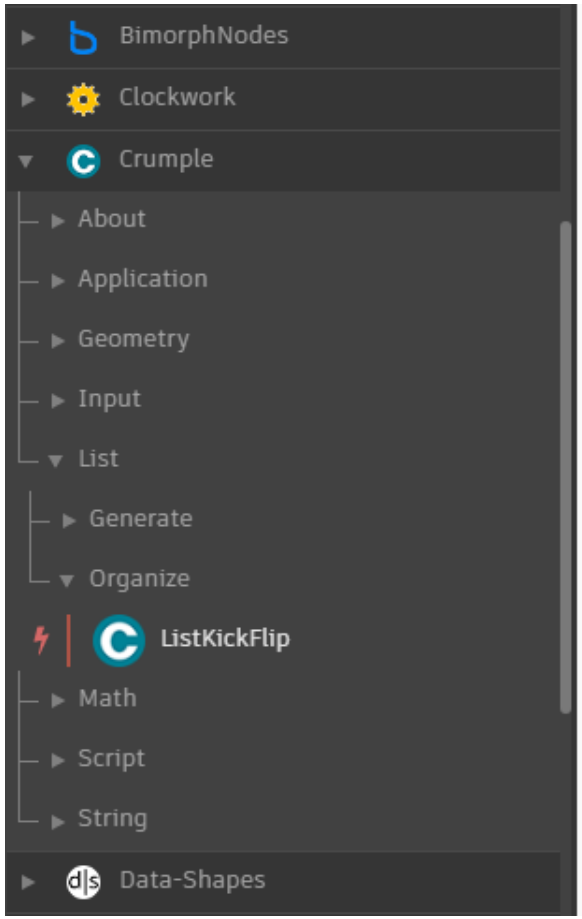
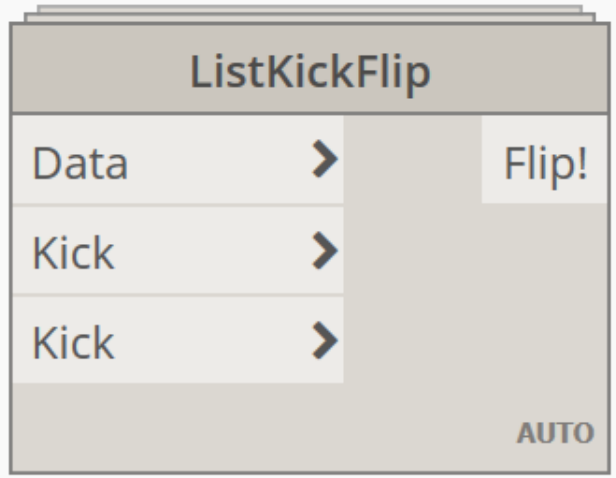


Building Custom Packages

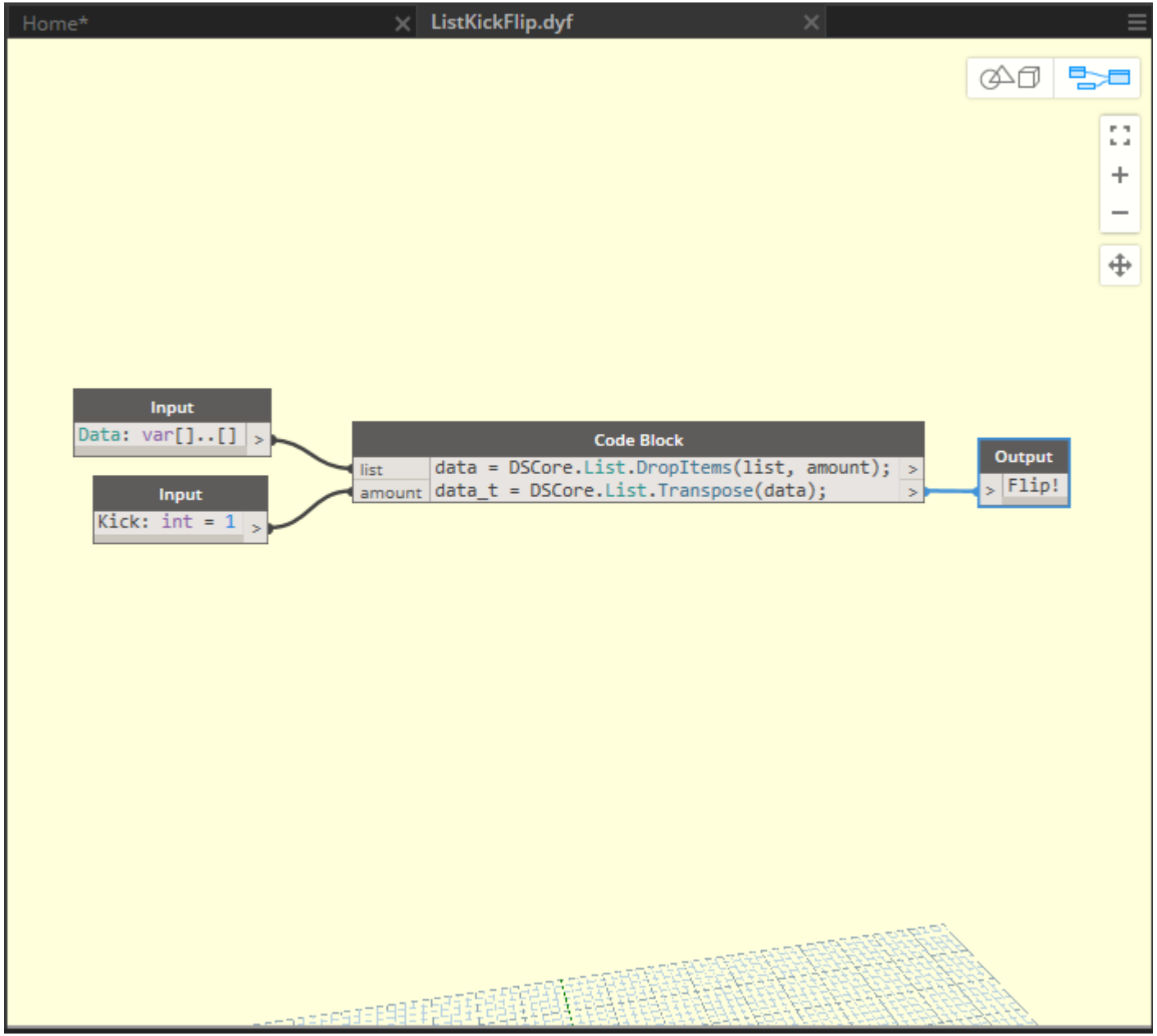
in Dynamo!

Previously…


BimorphNodes
Clockwork
Crumple
About
Application
Geometry
Input
List
Generate
Organize
ListKickFlip
Math
Script
String
Data-Shapes


ListKickFlip
Data
Kick
Kick
Flip!
AUTO

Previously…


Home*
ListKickFlip.dyf
Input
Data: var[]..[]
Input
Kick: int = 1
Code Block
list
amount
data = DSCore.List.DropItems(list, amount);
data_t = DSCore.List.Transpose(data);
Output
Flip!

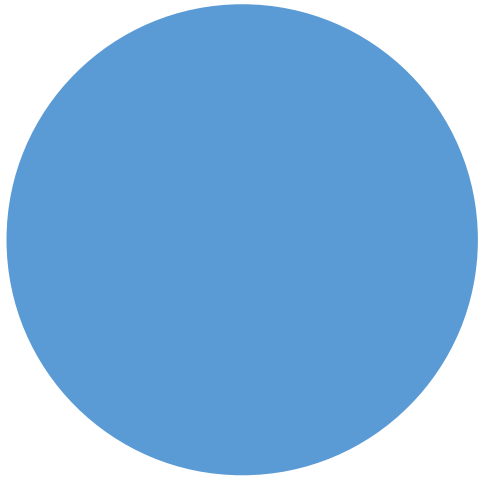
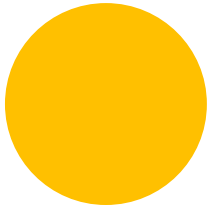
Future Videos

MAKING A CUSTOM NODE

MAKING A CUSTOM PACKAGE

PYTHON FUNDAMENTALS

PYTHON IN DYNAMO (SERIES)

Making a Custom Package

In this video

- Best practices
- How to publish a package
- How to add nodes to a package

Why should you make custom packages?

- Add missing functions to Dynamo

- Deploy custom nodes
  - In your company (locally)
  - Online (developers)

Node and package Redundancy

Try not to create nodes already in popular packages.

Do not copy and paste other's work, and if you excerpt, give credit!

Node and package quality

Locally publish your package for testing and development first.

Only publish online once you are satisfied the package is ready/stable.

Dynamo Package Manager

Share and discover workflows for **Dynamo visual programming**

2174217	1341	799
INSTALLS	PACKAGES	AUTHORS

Packages

Newest

Hypar Dynamo	9 hours ago
Convert Grid	3 days ago
Pack and Play	5 days ago
LAGT	6 days ago
Artelia_Hangers	1 weeks ago
ModuleOpeningsPlacer	2 weeks ago
D_Kareem_PKGS	2 weeks ago
MartinTest	2 weeks ago

Most Recently Updated

Infra.Studio Nodes	4 hours ago
Synthesize toolkit	7 hours ago
Hypar Dynamo	9 hours ago
Modelical	11 hours ago
TBF	Yesterday
Spring - Dynamo 2.0	2 days ago
Convert Grid	3 days ago
Alchemy	3 days ago

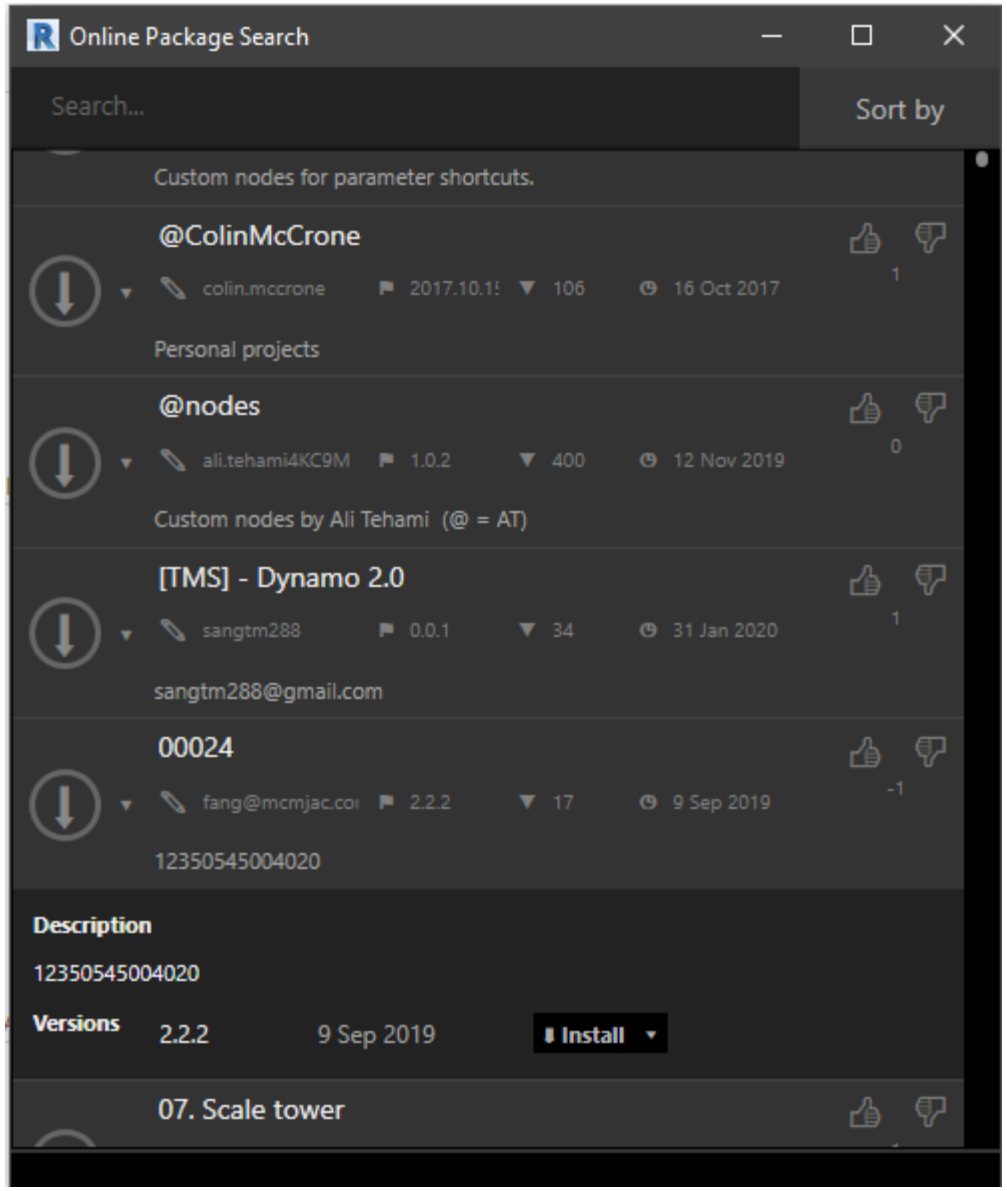
Most Installed

archi-lab.net	217406
LunchBox for Dynamo	215435
spring nodes	133990
Clockwork for Dynamo 1.x	127883
Rhythm	116177
SteamNodes	82779
Clockwork for Dynamo 2.x	59020
bimorphNodes	57896

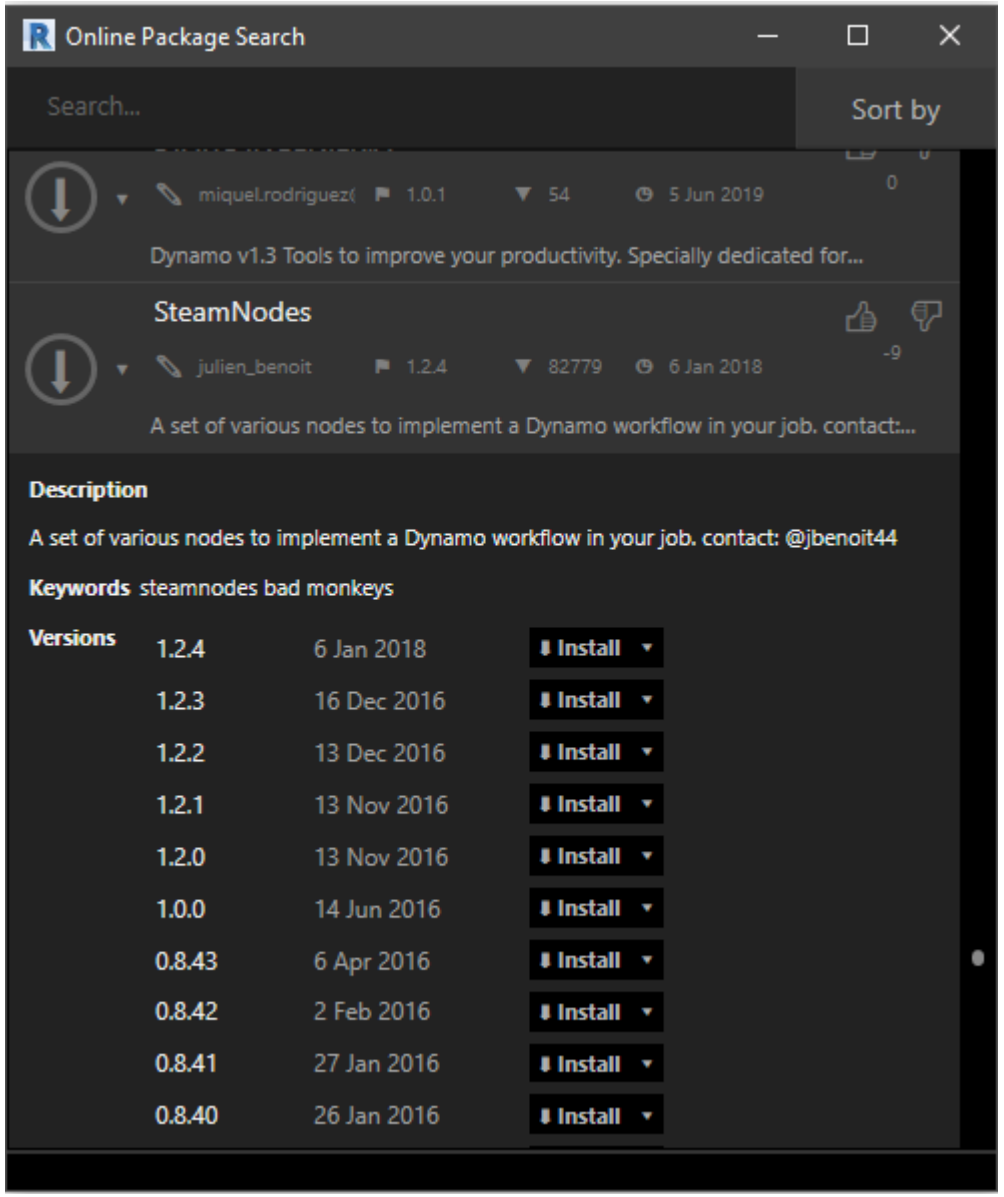
Most Depended Upon

archi-lab.net	112
Clockwork for Dynamo 1.x	98
LunchBox for Dynamo	55
Rhythm	53
spring nodes	35
SteamNodes	30
Clockwork for Dynamo 2.x	25
Quads from Rectangular ...	22

Please don’t do this!



Try to stay around for the long run



Responsibility

If you make an online package, test it during each build of Dynamo.

Package dependencies

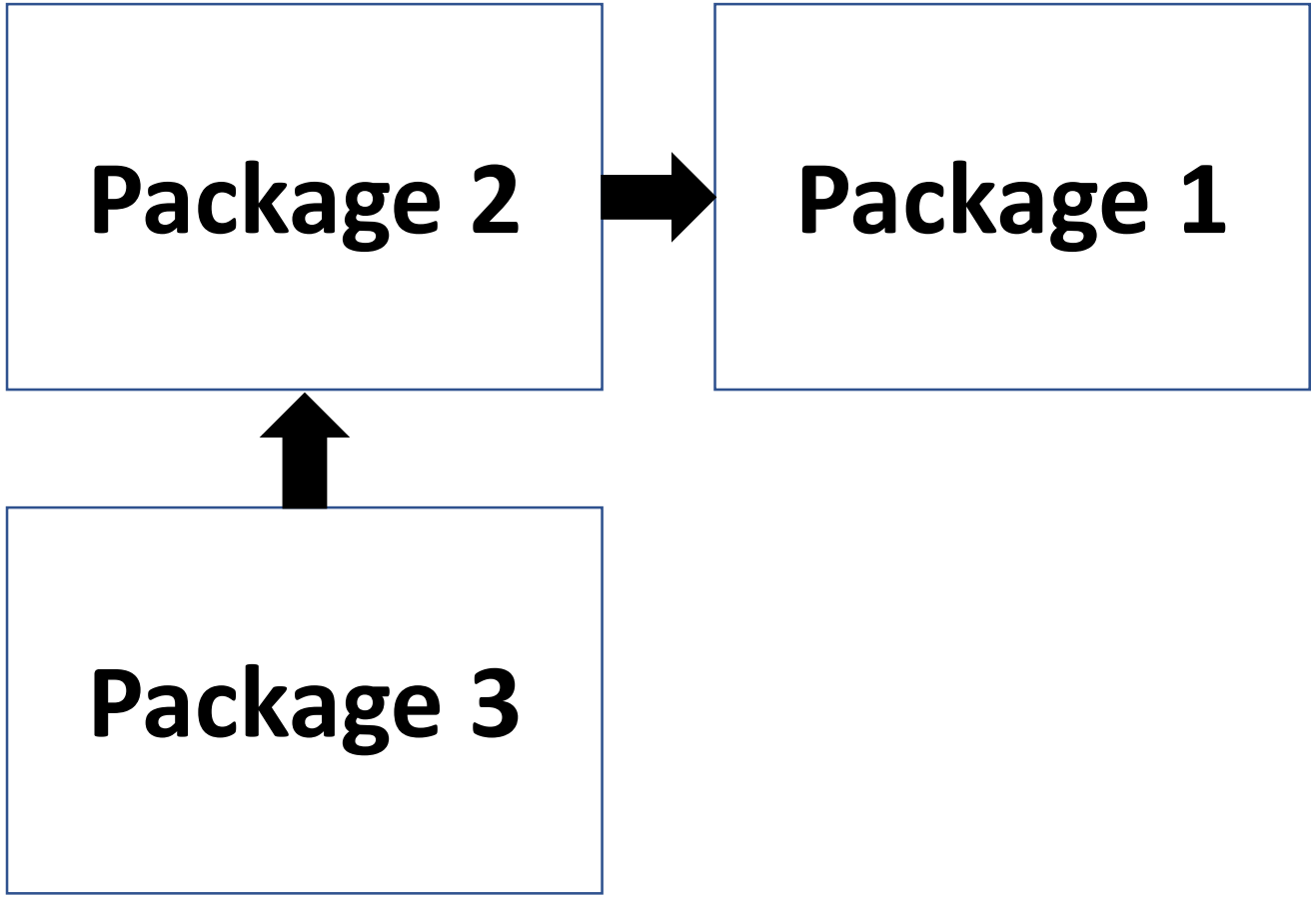
Avoid using custom nodes within custom nodes.

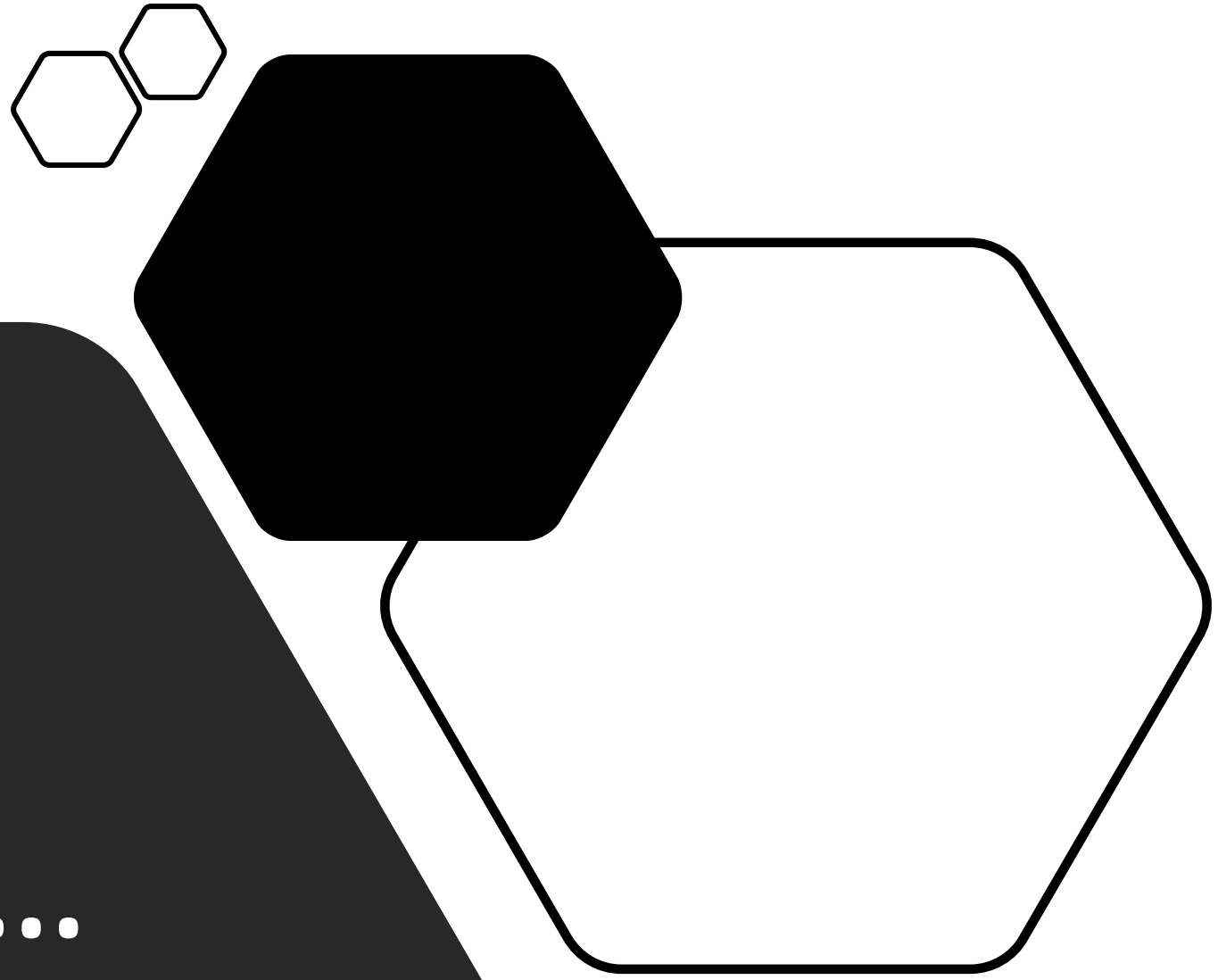
Avoid using other packages in your own custom nodes.

This creates ***dependency***.

Package dependencies

Dependency is bad!

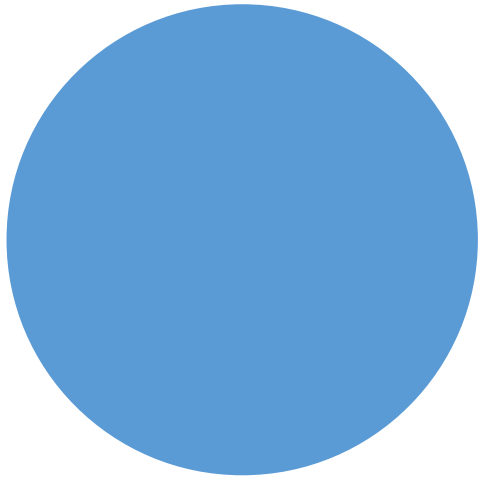
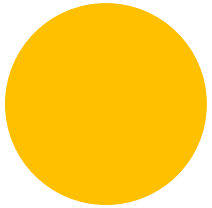




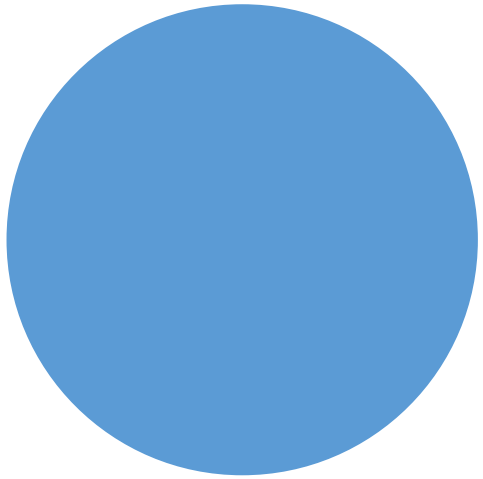
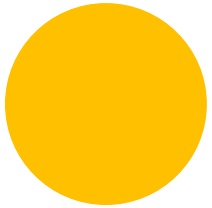
Without further ado…

Where are packages stored?

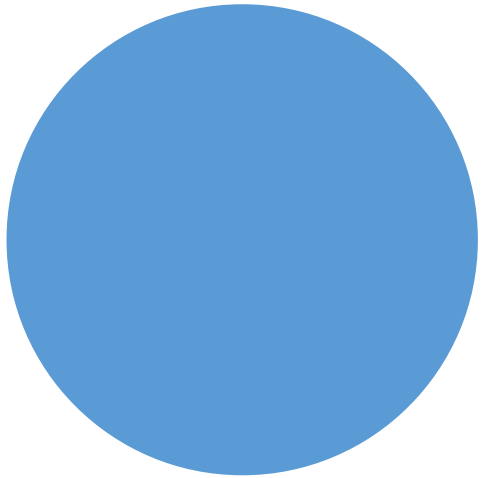
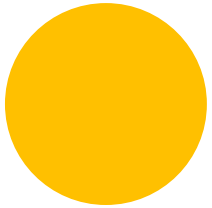
C:\Users\ **name** \AppData\Roaming\Dynamo\Dynamo Revit\ **build** \packages\ **Package Name**

How do we **create** a custom package?

How do we **add** to a custom package?

How do we **publish** a ner version?

Crumple

A package focused on education

Future Videos

Making a custom node

Making a custom package

Python fundamentals

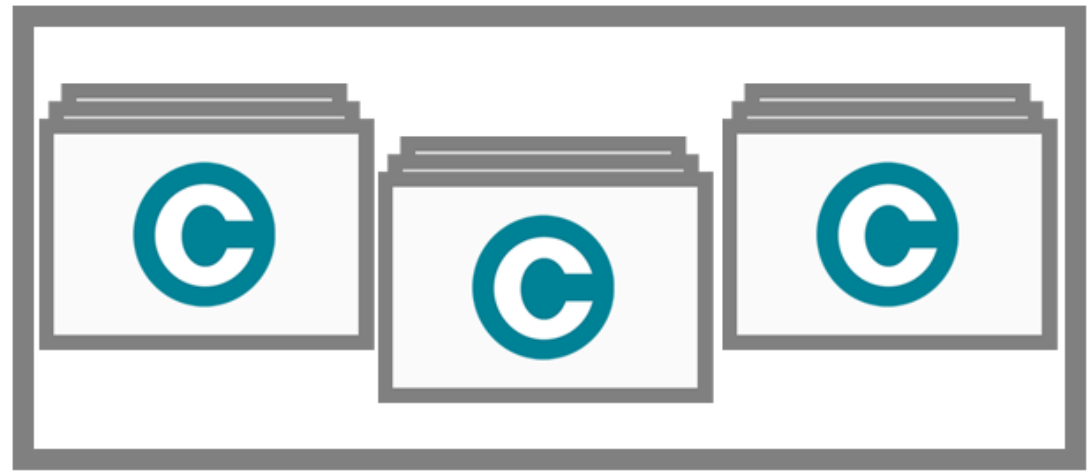
(quick tip series)

Python in Dynamo

(series)

Files are on github

https://github.com/aussieBIMguru



Building Custom Packages

in Dynamo!