



# **API 2: Views to Sheets**

## Python in Dynamo

# Related videos



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NODE



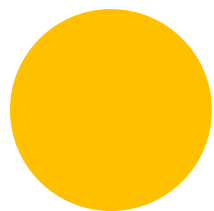
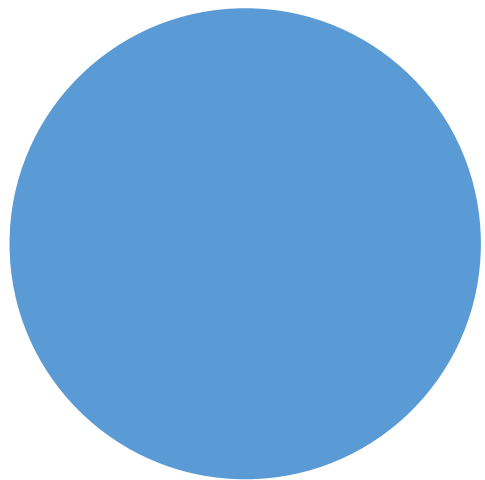
MAKING A CUSTOM  
PACKAGE



PYTHON  
FUNDAMENTALS



PYTHON IN  
DYNAMO (SERIES)



# Dynamo and Python

## Views to Sheets (API 2)

# This video

- Navigate Revit API Docs
- Wrap/unwrap elements
- Transactions
- Place views to sheets by points

```
Python Script
1 # Made by Gavin Crump
2 # Free for use
3 # BIM Guru, www.bimguru.com.au
4
5 #Reference for script name: https://github.com/Amoursol/dynamoPython/blob/master/dynamoAPI/dynamoAPICurrentGraphName.py
6 #Thanks to John Pierson for sharing the code for Dynamo file data
7
8 #Add CLR and Dynamo services for its API
9 import clr
10 clr.AddReference('DynamoRevitDS')
11 import Dynamo
12 from System import Environment
13
14 #Add document manager from Revit services
15 clr.AddReference('RevitServices')
16 import RevitServices
17 from RevitServices.Persistence import DocumentManager
18
19 # access to the current Dynamo instance and workspace
20 DynamoCurrent = Dynamo.Applications.DynamoRevit()
21 ActiveScript = DynamoCurrent.RevitDynamoModel.CurrentWorkspace
22 DynamoVersion = DynamoCurrent.RevitDynamoModel.Version
23
24 # ensure version 2.X, get name
25 if DynamoVersion.StartsWith("2."):
26     ScriptName = ActiveScript.Name + ".dyn"
27 else:
28     ScriptName = "Version not supported"
29
30 # get system user name
31 UserName = Environment.UserName
32
33 # get active document name and path
```

Let's get into  
the example!

## Making sheets

*We want to create viewports*

So we need to inspect the  
*Viewport* class

On API Docs

<https://www.revitapidocs.com/>

# Future Videos

Basic  
samples

Revit API

Advanced  
samples

And  
more!



Crumple is on  
github

<https://github.com/aussieBIMguru>





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