

# Give Basic Needs NFT Engine (The Phoebe Concept v0.8)

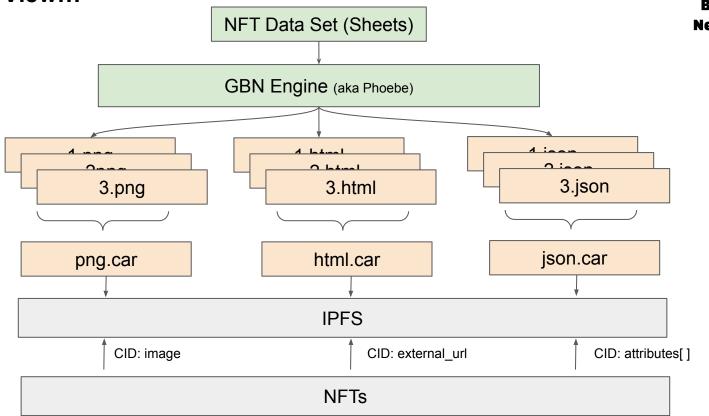
## Why Use The Phoebe Concept?



- Rapid development iterations, generating robust metadata and external sites consistently, because spreadsheet change and regens are simple for a fail fast mentality
- Consistent branding across all tokens in the collection automatically with your templates, you
  have total control of the user experience leveraging multi-file and directory support in IPFS
  deployment
- Standardized on robust token json metadata, promoting marketplace engagement thought collection filters resulting in more sales
- Unstoppable permanent images, animation, metadata and html all living on the fully distributed IPSF, pretty much for free
- No need to worry about how the marketplace is going to display your token metadata, because clickable external\_url are widely supported and used by collectors
- Potentially to load less data on-chain, because of consistent external html generation from the same source spreadsheet stored in a single deployment file on IPFS
- Leverage the full power of a spreadsheet to track, sort, filter and calculate your metadata and html generation

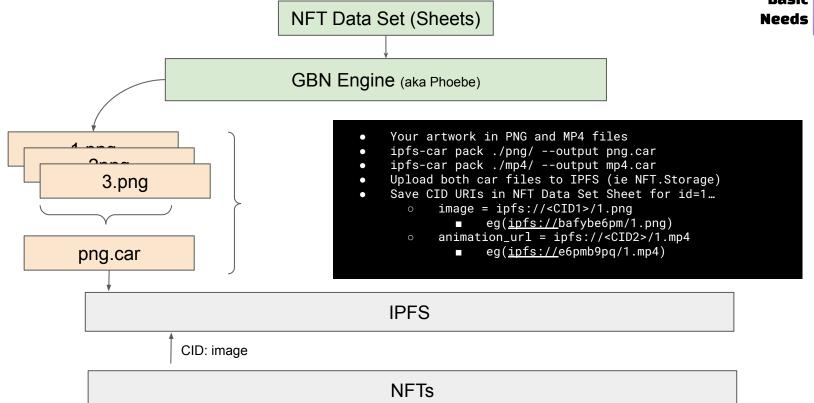
## 20k Foot View...

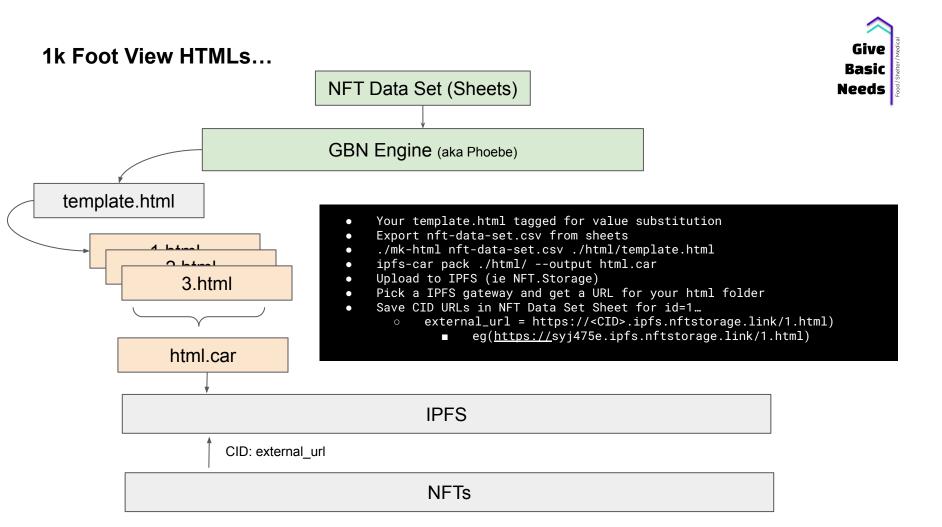




#### 1k Foot View PNGs...

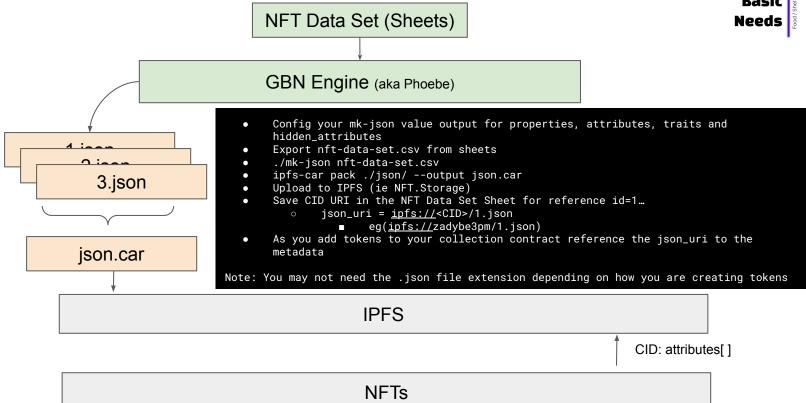






#### 1k Foot View JSONs...





## So Why A Concept?

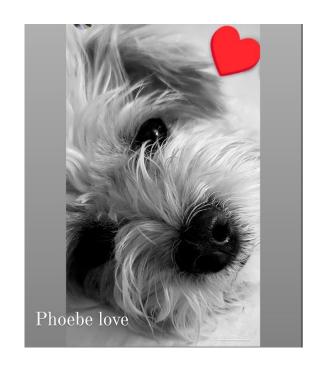


- While we could create another code repository, it's not likely to be filled with much and I'm not going to maintain it, because I too am impermanent.
- Here are some helpful free tools that will get you 90% of the way right off the rip:
  - Google Sheets
  - o Opensea Metadata Standard
  - Opensea <u>Testnet</u>
  - HeyMint Launchpad for ERC-1155 contract generation, deployment and management
  - LinuxOS
  - Emacs
  - o <u>ipfs-car</u>
  - NFT.Storage (use a github login)
  - Cloudflare IPFS Gateway
    - https://cloudflare-ipfs.com/ipfs/QmNksJqvwHzNtAtYZVqFZFfdCVciY4ojT U2oFZQSFG9U7B
    - https://cloudflare-ipfs.com/ipfs/<CID>
  - Everything else Google Al (<u>Bard</u>)
- Hope you find all this useful and enjoy Phoebe, its my tiny contribution to the community. It felt too good, not to share.

## **Credits / Inspiration:**



If you would like to support our efforts please check out <a href="http://nft.givebasicneeds.org">http://nft.givebasicneeds.org</a> by, buying an NFT when they drop in Q1 2024, they are sure to make you and the world just a little happier.



## **Code Snips / Samples**





#### cvs-to-json.py

```
# Define the CSV columns that are attributes.

ATTRIBUTES = ["edition", "card_group", "card_type", "ranky", "event_group", "location_name", "blog_post", "map", "rawel_points", "happy_travel", "discord_invite"]
   # Define the CSV columns that are hidden attributes.
HDDEN_ATTRIBUTES = "[secret_exits_info", "secret_discord_invite_url", "secret_event_image", "secret_message"]
           Args:
csv_header: A string representing the CSV column header.
           Returns:
A string representing the display type of the CSV column header
       case_statement = {
    "travel_points" 'number',
    "discord_invite" 'nshing",
    "blog_post" 'ns",
    "map" 'address",
    "happy_travel" 'address",

       display_type = case_statement.get(csv_header, "string")
           return display_type
   Args:
csx_row: A list of strings representing the CSV row
       json, object = 0 for i, one /basder in enumerate(one /basders): if one /basder in ATTRIBUTES: if "attributes" not in json, object ijson, objec
           ))

elf csv_header in HDDEN_ATTRIBUTES:
if "hidden_attributes" not in jacn_object
jacn_object["hidden_attributes"] = 0;
jacn_object["hidden_attributes"][csv_header] = csv_rout]]
           else:
|son_object[csv_header] = csv_row[]
   return inno object
   # Parse the command line arguments.
       parest = argourse ArgumentParest()
parest = argourse ArgumentParest()
parest = argourse ArgumentParest() file 1; ppe-est, required=True, help="The pash to the input CSV file.")
parest = argumentParest("-culput, file_colory", type-est, required=True, help="The pash to the culput directory",
parest = argumentParest("-culput, file_coleration", type-est, default="gloon", help="The culput file_existencin")
parest = argumentParest("-culput, file_coleration", type-est, default="gloon", help="The culput file_existencin")
parest = argumentParest("-culput, file_coleration")
parest = argumentParest("-culput, file_coloration")
parest = argumentPa
# Get the input file path and culput directory from the command line arguments.

cav_input_file_path = args.input_file

culput_file_circly = args.output_file_circlory

culput_file_erectory = args.output_file_extension
   # Create the output directory if it does not exist
           if not on path exists (output_directory):
on makedire(output_directory)
   # Open the CSV input file.
with open(csv_input_file_path, Y*) as csv_file:
csv_reader = csv_reader(csv_file)
   # literate over the CSV rows and generate JSON files.
for case_row in case_reade:
json_object = generate_json_file(case_row)
json_object[trait_order] = TRAIT_ORDER
json_object['copysitefs] = COPYWRITE
           # Write the JSCN object to a file
               within the Joun object to a fine,
output_file_path = os.path.join[output_directory, f*(cav_row[0])]output_file_extension[*]
with open(output_file_path, 'w') as jaon_file:
               jeon dump(jeon_object, jeon_file, indent=4)
```

#### MD5 function Sheets

```
* Compute MDS digest
* Woaram (string) input Input for the MOS digest algorithm
 .map(\{hashByte\} \Rightarrow (\{hashByte+256\} \ % \ 256\}.toString(16).padStart(2, \ "0"))
```

#### Export / Download function Sheets

```
function CreateCleanExportTab() {
var ss = SpreadsheetApp.getActiveSpreadsheet()
   var exportSheet = ss.petSheetBvName("Export");
 if (exportSheet) {
exportSheet.getDstaRange().clearContent();
   // Copy the values from the Wetadata sheet to the Export sheet.
     // metadataSheet.getRange("AB3:AB").copyTo(exportSheet.getRange("AB1"), SpreadsheetApp.CopyPaxteType.PASTE_NGRMAL, false);
 metadataSheet.cetRance("AC2:AC").copyTo(exportSheet.cetRance("AC1"). SoreadsheetAcc.CopyPasteType.PASTE NCRMAL false):
   exportSheet.getRange("A1").activate()
 var sz = SpreadsheetApp.getActive();
var sheets = ss.getSheets();
   var urliist - "
   href="https://docs.google.com/spreadshets/d/5(ss.getId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export?gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())/export.gid=5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString())&formst=csy">5(sheetId().toString()&formst=csy">5(sheet
   var html = WinlService.createWinlOutput["chiml></head-clink rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap85.1.3/dist/css/bootstrap.min.css"
 crossorigine monymous **/head-body-div class**6-flex flex-erap m-2 h-75'%[urllist]</div-div class*fixed-bottom p-2'>-buttom class*btm m-25 btm-primary onclick**google.script.host.closs()'>Dome-/buttom-/div-</body-btml>');
   SpreadsheetApp.getUi().showModslDislog(html, 'CSV download interface');
```

#### **CSV Header Line Sheets**

```
id rame description image animation jul external, unlessed, unlessed, factored, compiler, ranky_color_hex_background_color_hex_cand_jaye_color_hex_ext_jurnan_impact_power_rating_created_date, edition_cand_jaye_rank)_color_hex_background_color_hex_cand_jaye_color_hex_ext_jurnan_impact_power_rating_created_date, edition_cand_jaye_rank)_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex_background_color_hex
```

#### mk-json.sh

```
echo*******
Is "Export cav
                                                       if [1-f $tile_name]; then
echo*The CSV file does not exist
exit 1
                                                        echo "Moving file to export cev"
mv "Export cev export cev
echo "Ulargi export.cas"

# Run the command if the user answers yes

echo "Ganerating new jaon car files.."

m...juon"

m...juon-eati"
                                                        python3 cav-to-jeon.py -input /export.cav -output, directory /jeon-output, file_extension **
python3 cav-to-jeon.py -input /export.cav -output_directory /jeon-ext-output_file_extension **,jeon
                                                       echo "Gen jaon CAR file..."
ipfir-car pack .ijson -output .icaralgbn-jaon.car
echo "Gen jaon-ext CAR file..."
ipfir-car pack .ijson-ext -output .icaralgbn-jaon-ext.car
                                                           echo "
echo "
Note: You must get the lipfs URI after you upload each jeon car files via NFT.Storage and update the Google Sheet (NFT.Plan _lookup USON Files w/ No Ext* & USON Files w/ Ext* the new lipfs URI

    uo noming if the user arrawers no
echo "*
    echo "fou must update the URIs, run the macro, save the cav file to the parent directory before generating the json car files! Come back soon...
```

# **Code Snips / Samples**



### 2.json