

# File types

pyntree currently supports a plethora of file types, all of which can be encrypted:

## Pickle (default)

Pickled data is python data saved directly to a file as bytes. This way, you can save objects (ex: datetime) without losing any data or causing any problems while trying to reload the file.

Filetype parameter: `pyn`

Supported file extensions:

- .pyn
- .pyndb
- .pkl

## Compressed (and pickled)

Compressed data can be saved in a variety of formats, thanks to the `compress_pickle` module. For a full list of supported file extensions and types, see [here](#).

## JSON

JSON data can be saved and loaded with pyntree.

Filetype parameter: `json`

Supported file extensions:

- .json

## YAML

YAML data can also be saved and loaded with pyntree.

Filetype parameter: `yaml`

Supported file extensions:

- .yaml
- .yml

# Plain text

Saving python objects to a plaintext file will likely cause loading issues since pyntree will use `eval()` to load the data. This means that if it tries to create an object from a class it hasn't imported, the loading will fail. Additionally, the reliance on the `eval()` function means that you should only load trusted plaintext files, as loading untrusted ones could present a security risk.

You can also save the data as a string representation of the dictionary.

Filetype parameter: `txt`

Supported file extensions:

- `.txt`

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