### **cat-file**

displays various information about a git object

how is content referenced?

For a blob, by dir + file under /objects

What is the problem with blobs?

One needs to remember the blob’s hash in order to retrieve it’s contents.

What is a tree?

A mechanism for associating a name with a blob

A mechanism for associating multiple objects together

What does a tree represent?

A tree may represent several things.

A directory

A group of files

How does a tree represent a file?

As a named pointer to a blob

How does a tree represent a dir?

As a named pointer to another tree

How is a tree created in git?

Speaking in plumbing terms

You need to stage the work in the index file

--cacheinfo

file isn’t in your directory, rather in the database

How do you create a tree in git?

To create a single file…