

This folder contains generated sources for the lazy torchscript backend.

The main input file that drives which operators get codegen support for torchscript backend is `../../../../../aten/src/ATen/native/ts_native_functions.yaml`

The code generator lives at `tools/codegen/gen_lazy_tensor.py`.

It is called automatically by the torch autograd codegen (`tools/setup_helpers/generate_code.py`) as a part of the build process in OSS builds (CMake/Bazel) and Buck.

External backends (e.g. torch/xla) call `gen_lazy_tensor.py` directly, and feed it command line args indicating where the output files should go.

For more information on codegen, see these resources:

- * Info about lazy tensor codegen: `gen_lazy_tensor.py` docs
- * Lazy TorchScript backend native functions: `ts_native_functions.yaml`
- * Source of truth for native func definitions ATen `native_functions.yaml`
- * Info about native functions ATen `nativefunc`

README.md