

Hugging Face — Per-Module API

transformers • datasets • huggingface_hub • accelerate • diffusers • tokenizers • safetensors • peft

Distributions detected: accelerate, datasets, diffusers, huggingface_hub, peft, safetensors, tokenizers, transformers

Modules failed to import: 3 (listed at end)



Distributions & Modules (index)

accelerate — 19 modules

- accelerate
- accelerate.accelerator
- accelerate.big_modeling
- accelerate.checkpointing
- accelerate.commands
- accelerate.data_loader
- accelerate.hooks
- accelerate.inference
- accelerate.launchers
- accelerate.local_sgd
- accelerate.logging
- accelerate.memory_utils
- accelerate.optimizer
- accelerate.parallelism_config
- accelerate.scheduler
- accelerate.state
- accelerate.test_utils
- accelerate.tracking
- accelerate.utils

datasets — 32 modules

- datasets
- datasets.arrow_dataset
- datasets.arrow_reader
- datasets.arrow_writer
- datasets.builder
- datasets.combine
- datasets.commands
- datasets.config
- datasets.data_files
- datasets.dataset_dict
- datasets.distributed
- datasets.download
- datasets.exceptions
- datasets.features
- datasets.filesystems
- datasets.fingerprint
- datasets.formatting
- datasets.hub
- datasets.info
- datasets.inspect
- datasets.io
- datasets.iterable_dataset
- datasets.keyhash
- datasets.load
- datasets.naming
- datasets.packaged_modules
- datasets.parallel
- datasets.search
- datasets.splits
- datasets.streaming
- datasets.table
- datasets.utils

diffusers — 20 modules

- diffusers
- diffusers.callbacks
- diffusers.commands
- diffusers.configuration_utils

- `diffusers.dependency_versions_check`
- `diffusers.dependency_versions_table`
- `diffusers.experimental`
- `diffusers.guiders`
- `diffusers.hooks`
- `diffusers.image_processor`
- `diffusers.loaders`
- `diffusers.models`
- `diffusers.modular_pipelines`
- `diffusers.optimization`
- `diffusers.pipelines`
- `diffusers.quantizers`
- `diffusers.schedulers`
- `diffusers.training_utils`
- `diffusers.utils`
- `diffusers.video_processor`

`huggingface_hub` — 21 modules

- `huggingface_hub`
- `huggingface_hub.cli`
- `huggingface_hub.commands`
- `huggingface_hub.community`
- `huggingface_hub.constants`
- `huggingface_hub.dataclasses`
- `huggingface_hub.errors`
- `huggingface_hub.fastai_utils`
- `huggingface_hub.file_download`
- `huggingface_hub.hf_api`
- `huggingface_hub.hf_file_system`
- `huggingface_hub.hub_mixin`
- `huggingface_hub.inference`
- `huggingface_hub.inference_api`
- `huggingface_hub.keras_mixin`
- `huggingface_hub.lfs`
- `huggingface_hub.repocard`
- `huggingface_hub.repocard_data`
- `huggingface_hub.repository`
- `huggingface_hub.serialization`
- `huggingface_hub.utils`

`peft` — 12 modules

- `peft`
- `peft.auto`
- `peft.config`
- `peft.helpers`
- `peft.import_utils`
- `peft.mapping`
- `peft.mapping_func`
- `peft.mixed_model`
- `peft.optimizers`
- `peft.peft_model`
- `peft.tuners`
- `peft.utils`

`safetensors` — 7 modules

- `safetensors`
- `safetensors.flax`
- `safetensors.mlx`
- `safetensors.numpy`
- `safetensors.paddle`
- `safetensors.tensorflow`
- `safetensors.torch`

tokenizers — 10 modules

- tokenizers
- tokenizers.decoders
- tokenizers.implementations
- tokenizers.models
- tokenizers.normalizers
- tokenizers.pre_tokenizers
- tokenizers.processors
- tokenizers.tokenizers
- tokenizers.tools
- tokenizers.trainers

transformers — 77 modules

- transformers
- transformers.activations
- transformers.activations_tf
- transformers.audio_utils
- transformers.cache_utils
- transformers.commands
- transformers.configuration_utils
- transformers.convert_graph_to_onnx
- transformers.convert_pytorch_checkpoint_to_tf2
- transformers.convert_slow_tokenizer
- transformers.convert_slow_tokenizers_checkpoints_to_fast
- transformers.convert_tf_hub_seq_to_seq_bert_to_pytorch
- transformers.data
- transformers.debug_utils
- transformers.dependency_versions_check
- transformers.dependency_versions_table
- transformers.distributed
- transformers.dynamic_module_utils
- transformers.feature_extraction_sequence_utils
- transformers.feature_extraction_utils
- transformers.file_utils
- transformers.generation
- transformers.hf_argparser
- transformers.hyperparameter_search
- transformers.image_processing_base
- transformers.image_processing_utils
- transformers.image_processing_utils_fast
- transformers.image_transforms
- transformers.image_utils
- transformers.integrations
- transformers.keras_callbacks
- transformers.kernels
- transformers.loss
- transformers.masking_utils
- transformers.model_debugging_utils
- transformers.modelcard
- transformers.modeling_attn_mask_utils
- transformers.modeling_flash_attention_utils
- transformers.modeling_flax_outputs
- transformers.modeling_flax_pytorch_utils
- transformers.modeling_flax_utils
- transformers.modeling_gguf_pytorch_utils
- transformers.modeling_layers
- transformers.modeling_outputs
- transformers.modeling_rope_utils
- transformers.modeling_tf_outputs
- transformers.modeling_tf_pytorch_utils
- transformers.modeling_tf_utils
- transformers.modeling_utils

- `transformers.models`
- `transformers.onnx`
- `transformers.optimization`
- `transformers.optimization_tf`
- `transformers.pipelines`
- `transformers.processing_utils`
- `transformers.pytorch_utils`
- `transformers.quantizers`
- `transformers.safetensors_conversion`
- `transformers.sagemaker`
- `transformers.testing_utils`
- `transformers.tf_utils`
- `transformers.time_series_utils`
- `transformers.tokenization_mistral_common`
- `transformers.tokenization_utils`
- `transformers.tokenization_utils_base`
- `transformers.tokenization_utils_fast`
- `transformers.trainer`
- `transformers.trainer_callback`
- `transformers.trainer_pt_utils`
- `transformers.trainer_seq2seq`
- `transformers.trainer_utils`
- `transformers.training_args`
- `transformers.training_args_seq2seq`
- `transformers.training_args_tf`
- `transformers.utils`
- `transformers.video_processing_utils`
- `transformers.video_utils`

Distribution: accelerate

Total public modules: 19

accelerate

Classes

```
[
    Accelerator,
    AutocastKwargs,
    DataLoaderConfiguration,
    DDPCommunicationHookType,
    DeepSpeedPlugin,
    DistributedDataParallelKwargs,
    DistributedType,
    FullyShardedDataParallelPlugin,
    GradScalerKwargs,
    InitProcessGroupKwargs,
    ParallelismConfig,
    PartialState,
    ProfileKwargs
]
```

Functions

```
[
    cpu_offload,
    cpu_offload_with_hook,
    debug_launcher,
    disk_offload,
    dispatch_model,
    find_executable_batch_size,
    infer_auto_device_map,
    init_empty_weights,
    init_on_device,
    is_rich_available,
    load_checkpoint_and_dispatch,
    load_checkpoint_in_model,
    notebook_launcher,
    prepare_pippy,
    skip_first_batches,
    synchronize_rng_states
]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from accelerate import Accelerator
from accelerate import AutocastKwargs
from accelerate import DataLoaderConfiguration
from accelerate import DDPCommunicationHookType
from accelerate import DeepSpeedPlugin
from accelerate import DistributedDataParallelKwargs
from accelerate import DistributedType
from accelerate import FullyShardedDataParallelPlugin
from accelerate import GradScalerKwargs
from accelerate import InitProcessGroupKwargs
from accelerate import ParallelismConfig
from accelerate import PartialState
from accelerate import ProfileKwargs
```

Functions

```
from accelerate import cpu_offload
from accelerate import cpu_offload_with_hook
from accelerate import debug_launcher
```

```

from accelerate import disk_offload
from accelerate import dispatch_model
from accelerate import find_executable_batch_size
from accelerate import infer_auto_device_map
from accelerate import init_empty_weights
from accelerate import init_on_device
from accelerate import is_rich_available
from accelerate import load_checkpoint_and_dispatch
from accelerate import load_checkpoint_in_model
from accelerate import notebook_launcher
from accelerate import prepare_pippy
from accelerate import skip_first_batches
from accelerate import synchronize_rng_states

# Sentinels / Constants / Objects
(none)

```

accelerate.accelerator

Classes

```

[
    AcceleratedOptimizer,
    AcceleratedScheduler,
    Accelerator,
    AcceleratorState,
    Any,
    AORecipeKwargs,
    AutocastKwargs,
    DataLoaderConfiguration,
    DataLoaderDispatcher,
    DeepSpeedPlugin,
    DistributedDataParallelKwargs,
    DistributedType,
    DynamoBackend,
    FP8BackendType,
    FP8RecipeKwargs,
    FullyShardedDataParallelPlugin,
    GeneralTracker,
    GradientAccumulationPlugin,
    GradientState,
    GradScalerKwargs,
    InitProcessGroupKwargs,
    Join,
    KwargsHandler,
    LoggerType,
    LRScheduler,
    MegatronLMPlugin,
    MethodType,
    MSAMPRecipeKwargs,
    OrderedDict,
    ParallelismConfig,
    partial,
    PartialState,
    PrecisionType,
    ProfileKwargs,
    ProjectConfiguration,
    RNGType,
    TERecipeKwargs,
    TorchDynamoPlugin,
    TorchTensorParallelPlugin
]

```

Functions

```
[
    apply_fp8_autowrap,
    check_os_kernel,
    clean_state_dict_for_safetensors,
    compare_versions,
    compile_regions,
    compile_regions_deepspeed,
    contextmanager,
    convert_model,
    convert_model_to_fp8_ao,
    convert_outputs_to_fp32,
    ensure_weights_retrieved,
    extract_model_from_parallel,
    filter_trackers,
    fsdp2_apply_ac,
    fsdp2_canonicalize_names,
    fsdp2_prepare_model,
    fsdp2_switch_optimizer_parameters,
    gather,
    gather_object,
    get_fsdp2_grad_scaler,
    get_grad_scaler,
    get_logger,
    get_mixed_precision_context_manager,
    get_pretty_name,
    get_state_dict_offloaded_model,
    has_offloaded_params,
    is_bf16_available,
    is_bitsandbytes_multi_backend_available,
    is_compiled_module,
    is_deepspeed_available,
    is_ipex_available,
    is_lomo_available,
    is_megatron_lm_available,
    is_msamp_available,
    is_torch_version,
    is_torchao_available,
    is_transformer_engine_available,
    load_accelerator_state,
    load_custom_state,
    load_fsdp_model,
    load_fsdp_optimizer,
    model_has_dtensor,
    pad_across_processes,
    parse_choice_from_env,
    prepare_data_loader,
    recursively_apply,
    reduce,
    release_memory,
    save,
    save_accelerator_state,
    save_custom_state,
    save_fsdp_model,
    save_fsdp_optimizer,
    skip_first_batches,
    split_torch_state_dict_into_shards,
    wait_for_everyone
]
```

Sentinels / Constants / Objects

```
[
    annotations,
    Callable,
```



```

FSDP2_PYTORCH_VERSION,
FSDP_PYTORCH_VERSION,
is_mlu_available,
is_musa_available,
is_npu_available,
is_torch_xla_available,
is_xpu_available,
logger,
LOGGER_TYPE_TO_CLASS,
MODEL_NAME,
PROFILE_PATTERN_NAME,
SAFE_WEIGHTS_INDEX_NAME,
SAFE_WEIGHTS_NAME,
SAFE_WEIGHTS_PATTERN_NAME,
SCALER_NAME,
Union,
WEIGHTS_INDEX_NAME,
WEIGHTS_NAME,
WEIGHTS_PATTERN_NAME

```

```

]

```

Import statements

```

from accelerate.accelerator import AcceleratedOptimizer
from accelerate.accelerator import AcceleratedScheduler
from accelerate.accelerator import Accelerator
from accelerate.accelerator import AcceleratorState
from accelerate.accelerator import Any
from accelerate.accelerator import AORecipeKwargs
from accelerate.accelerator import AutocastKwargs
from accelerate.accelerator import DataLoaderConfiguration
from accelerate.accelerator import DataLoaderDispatcher
from accelerate.accelerator import DeepSpeedPlugin
from accelerate.accelerator import DistributedDataParallelKwargs
from accelerate.accelerator import DistributedType
from accelerate.accelerator import DynamoBackend
from accelerate.accelerator import FP8BackendType
from accelerate.accelerator import FP8RecipeKwargs
from accelerate.accelerator import FullyShardedDataParallelPlugin
from accelerate.accelerator import GeneralTracker
from accelerate.accelerator import GradientAccumulationPlugin
from accelerate.accelerator import GradientState
from accelerate.accelerator import GradScalerKwargs
from accelerate.accelerator import InitProcessGroupKwargs
from accelerate.accelerator import Join
from accelerate.accelerator import KwargsHandler
from accelerate.accelerator import LoggerType
from accelerate.accelerator import LRScheduler
from accelerate.accelerator import MegatronLMPlugin
from accelerate.accelerator import MethodType
from accelerate.accelerator import MSAMPRecipeKwargs
from accelerate.accelerator import OrderedDict
from accelerate.accelerator import ParallelismConfig
from accelerate.accelerator import partial
from accelerate.accelerator import PartialState
from accelerate.accelerator import PrecisionType
from accelerate.accelerator import ProfileKwargs
from accelerate.accelerator import ProjectConfiguration
from accelerate.accelerator import RNGType
from accelerate.accelerator import TEREcipeKwargs
from accelerate.accelerator import TorchDynamoPlugin
from accelerate.accelerator import TorchTensorParallelPlugin

```

```

# Functions

```

```

from accelerate.accelerator import apply_fp8_autowrap
from accelerate.accelerator import check_os_kernel
from accelerate.accelerator import clean_state_dict_for_safetensors
from accelerate.accelerator import compare_versions
from accelerate.accelerator import compile_regions
from accelerate.accelerator import compile_regions_deepspeed
from accelerate.accelerator import contextmanager
from accelerate.accelerator import convert_model
from accelerate.accelerator import convert_model_to_fp8_ao
from accelerate.accelerator import convert_outputs_to_fp32
from accelerate.accelerator import ensure_weights_retyped
from accelerate.accelerator import extract_model_from_parallel
from accelerate.accelerator import filter_trackers
from accelerate.accelerator import fsdp2_apply_ac
from accelerate.accelerator import fsdp2_canonicalize_names
from accelerate.accelerator import fsdp2_prepare_model
from accelerate.accelerator import fsdp2_switch_optimizer_parameters
from accelerate.accelerator import gather
from accelerate.accelerator import gather_object
from accelerate.accelerator import get_fsdp2_grad_scaler
from accelerate.accelerator import get_grad_scaler
from accelerate.accelerator import get_logger
from accelerate.accelerator import get_mixed_precision_context_manager
from accelerate.accelerator import get_pretty_name
from accelerate.accelerator import get_state_dict_offloaded_model
from accelerate.accelerator import has_offloaded_params
from accelerate.accelerator import is_bf16_available
from accelerate.accelerator import is_bitsandbytes_multi_backend_available
from accelerate.accelerator import is_compiled_module
from accelerate.accelerator import is_deepspeed_available
from accelerate.accelerator import is_ipex_available
from accelerate.accelerator import is_lomo_available
from accelerate.accelerator import is_megatron_lm_available
from accelerate.accelerator import is_msamp_available
from accelerate.accelerator import is_torch_version
from accelerate.accelerator import is_torchao_available
from accelerate.accelerator import is_transformer_engine_available
from accelerate.accelerator import load_accelerator_state
from accelerate.accelerator import load_custom_state
from accelerate.accelerator import load_fsdp_model
from accelerate.accelerator import load_fsdp_optimizer
from accelerate.accelerator import model_has_dtensor
from accelerate.accelerator import pad_across_processes
from accelerate.accelerator import parse_choice_from_env
from accelerate.accelerator import prepare_data_loader
from accelerate.accelerator import recursively_apply
from accelerate.accelerator import reduce
from accelerate.accelerator import release_memory
from accelerate.accelerator import save
from accelerate.accelerator import save_accelerator_state
from accelerate.accelerator import save_custom_state
from accelerate.accelerator import save_fsdp_model
from accelerate.accelerator import save_fsdp_optimizer
from accelerate.accelerator import skip_first_batches
from accelerate.accelerator import split_torch_state_dict_into_shards
from accelerate.accelerator import wait_for_everyone

# Sentinels / Constants / Objects
from accelerate.accelerator import annotations
from accelerate.accelerator import Callable
from accelerate.accelerator import FSDP2_PYTORCH_VERSION
from accelerate.accelerator import FSDP_PYTORCH_VERSION

```

```

from accelerate.accelerator import is_mlu_available
from accelerate.accelerator import is_musa_available
from accelerate.accelerator import is_npu_available
from accelerate.accelerator import is_torch_xla_available
from accelerate.accelerator import is_xpu_available
from accelerate.accelerator import logger
from accelerate.accelerator import LOGGER_TYPE_TO_CLASS
from accelerate.accelerator import MODEL_NAME
from accelerate.accelerator import PROFILE_PATTERN_NAME
from accelerate.accelerator import SAFE_WEIGHTS_INDEX_NAME
from accelerate.accelerator import SAFE_WEIGHTS_NAME
from accelerate.accelerator import SAFE_WEIGHTS_PATTERN_NAME
from accelerate.accelerator import SCALER_NAME
from accelerate.accelerator import Union
from accelerate.accelerator import WEIGHTS_INDEX_NAME
from accelerate.accelerator import WEIGHTS_NAME
from accelerate.accelerator import WEIGHTS_PATTERN_NAME

```

accelerate.big_modeling

Classes

```

[
    AlignDevicesHook,
    CpuOffload,
    LayerwiseCastingHook,
    OffloadedWeightsLoader,
    UserCpuOffloadHook
]

```

Functions

```

[
    add_hook_to_module,
    attach_align_device_hook,
    attach_align_device_hook_on_blocks,
    attach_layerwise_casting_hooks,
    check_cuda_p2p_ib_support,
    check_device_map,
    contextmanager,
    cpu_offload,
    cpu_offload_with_hook,
    disk_offload,
    dispatch_model,
    extract_submodules_state_dict,
    find_tied_parameters,
    get_balanced_memory,
    infer_auto_device_map,
    init_empty_weights,
    init_on_device,
    is_bnb_available,
    load_checkpoint_and_dispatch,
    load_checkpoint_in_model,
    offload_state_dict,
    parse_flag_from_env,
    recursive_getattr,
    retie_parameters,
    wraps
]

```

Sentinels / Constants / Objects

```

[
    is_mlu_available,
    is_musa_available,
    is_npu_available,
    is_sdaa_available,

```

```

    is_xpu_available,
    logger,
    Optional,
    SUPPORTED_PYTORCH_LAYERS_FOR_UPCASTING,
    Union
]

```

Import statements

```

from accelerate.big_modeling import AlignDevicesHook
from accelerate.big_modeling import CpuOffload
from accelerate.big_modeling import LayerwiseCastingHook
from accelerate.big_modeling import OffloadedWeightsLoader
from accelerate.big_modeling import UserCpuOffloadHook

```

Functions

```

from accelerate.big_modeling import add_hook_to_module
from accelerate.big_modeling import attach_align_device_hook
from accelerate.big_modeling import attach_align_device_hook_on_blocks
from accelerate.big_modeling import attach_layerwise_casting_hooks
from accelerate.big_modeling import check_cuda_p2p_ib_support
from accelerate.big_modeling import check_device_map
from accelerate.big_modeling import contextmanager
from accelerate.big_modeling import cpu_offload
from accelerate.big_modeling import cpu_offload_with_hook
from accelerate.big_modeling import disk_offload
from accelerate.big_modeling import dispatch_model
from accelerate.big_modeling import extract_submodules_state_dict
from accelerate.big_modeling import find_tied_parameters
from accelerate.big_modeling import get_balanced_memory
from accelerate.big_modeling import infer_auto_device_map
from accelerate.big_modeling import init_empty_weights
from accelerate.big_modeling import init_on_device
from accelerate.big_modeling import is_bnb_available
from accelerate.big_modeling import load_checkpoint_and_dispatch
from accelerate.big_modeling import load_checkpoint_in_model
from accelerate.big_modeling import offload_state_dict
from accelerate.big_modeling import parse_flag_from_env
from accelerate.big_modeling import recursive_getattr
from accelerate.big_modeling import retie_parameters
from accelerate.big_modeling import wraps

```

Sentinels / Constants / Objects

```

from accelerate.big_modeling import is_mlu_available
from accelerate.big_modeling import is_musa_available
from accelerate.big_modeling import is_npu_available
from accelerate.big_modeling import is_sdaa_available
from accelerate.big_modeling import is_xpu_available
from accelerate.big_modeling import logger
from accelerate.big_modeling import Optional
from accelerate.big_modeling import SUPPORTED_PYTORCH_LAYERS_FOR_UPCASTING
from accelerate.big_modeling import Union

```

accelerate.checkpointing

Classes

```

[
    GradScaler,
    PartialState,
    Path
]

```

Functions

```

[
    get_logger,

```

```

get_pretty_name,
is_cuda_available,
is_torch_version,
load,
load_accelerator_state,
load_custom_state,
load_model,
save,
save_accelerator_state,
save_custom_state

```

```
]
```

Sentinels / Constants / Objects

```

[
    is_hpu_available,
    is_mlu_available,
    is_musa_available,
    is_sdaa_available,
    is_torch_xla_available,
    is_xpu_available,
    logger,
    MODEL_NAME,
    OPTIMIZER_NAME,
    RNG_STATE_NAME,
    SAFE_MODEL_NAME,
    SAFE_WEIGHTS_NAME,
    SAMPLER_NAME,
    SCALER_NAME,
    SCHEDULER_NAME,
    WEIGHTS_NAME

```

```
]
```

Import statements

```

from accelerate.checkpointing import GradScaler
from accelerate.checkpointing import PartialState
from accelerate.checkpointing import Path

```

Functions

```

from accelerate.checkpointing import get_logger
from accelerate.checkpointing import get_pretty_name
from accelerate.checkpointing import is_cuda_available
from accelerate.checkpointing import is_torch_version
from accelerate.checkpointing import load
from accelerate.checkpointing import load_accelerator_state
from accelerate.checkpointing import load_custom_state
from accelerate.checkpointing import load_model
from accelerate.checkpointing import save
from accelerate.checkpointing import save_accelerator_state
from accelerate.checkpointing import save_custom_state

```

Sentinels / Constants / Objects

```

from accelerate.checkpointing import is_hpu_available
from accelerate.checkpointing import is_mlu_available
from accelerate.checkpointing import is_musa_available
from accelerate.checkpointing import is_sdaa_available
from accelerate.checkpointing import is_torch_xla_available
from accelerate.checkpointing import is_xpu_available
from accelerate.checkpointing import logger
from accelerate.checkpointing import MODEL_NAME
from accelerate.checkpointing import OPTIMIZER_NAME
from accelerate.checkpointing import RNG_STATE_NAME
from accelerate.checkpointing import SAFE_MODEL_NAME
from accelerate.checkpointing import SAFE_WEIGHTS_NAME
from accelerate.checkpointing import SAMPLER_NAME

```

```
from accelerate.checkpointing import SCALER_NAME
from accelerate.checkpointing import SCHEDULER_NAME
from accelerate.checkpointing import WEIGHTS_NAME
```

accelerate.commands

Classes

```
[]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
(none)
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

accelerate.data_loader

Classes

```
[
    BatchSampler,
    BatchSamplerShard,
    DataLoader,
    DataLoaderAdapter,
    DataLoaderDispatcher,
    DataLoaderShard,
    DataLoaderStateMixin,
    DistributedType,
    GradientState,
    IterableDataset,
    IterableDatasetShard,
    PartialState,
    RandomSampler,
    RNGType,
    SeedableRandomSampler,
    SkipBatchSampler,
    SkipDataLoader,
    suppress
]
```

Functions

```
[
    broadcast,
    broadcast_object_list,
    compare_versions,
    concatenate,
    find_batch_size,
    get_data_structure,
    get_logger,
    get_sampler,
    initialize_tensors,
    is_datasets_available,
    is_torch_version,
    is_torchdata_stateful_dataloader_available,
    prepare_data_loader,
    send_to_device,
    skip_first_batches,
    slice_tensors,
```

```
    synchronize_rng_states
```

```
]
```

```
Sentinels / Constants / Objects
```

```
[
```

```
    additional_kwargs,
```

```
    Callable,
```

```
    is_torch_xla_available,
```

```
    logger,
```

```
    Optional,
```

```
    Union,
```

```
    v
```

```
]
```

```
Import statements
```

```
from accelerate.data_loader import BatchSampler
```

```
from accelerate.data_loader import BatchSamplerShard
```

```
from accelerate.data_loader import DataLoader
```

```
from accelerate.data_loader import DataLoaderAdapter
```

```
from accelerate.data_loader import DataLoaderDispatcher
```

```
from accelerate.data_loader import DataLoaderShard
```

```
from accelerate.data_loader import DataLoaderStateMixin
```

```
from accelerate.data_loader import DistributedType
```

```
from accelerate.data_loader import GradientState
```

```
from accelerate.data_loader import IterableDataset
```

```
from accelerate.data_loader import IterableDatasetShard
```

```
from accelerate.data_loader import PartialState
```

```
from accelerate.data_loader import RandomSampler
```

```
from accelerate.data_loader import RNGType
```

```
from accelerate.data_loader import SeedableRandomSampler
```

```
from accelerate.data_loader import SkipBatchSampler
```

```
from accelerate.data_loader import SkipDataLoader
```

```
from accelerate.data_loader import suppress
```

```
# Functions
```

```
from accelerate.data_loader import broadcast
```

```
from accelerate.data_loader import broadcast_object_list
```

```
from accelerate.data_loader import compare_versions
```

```
from accelerate.data_loader import concatenate
```

```
from accelerate.data_loader import find_batch_size
```

```
from accelerate.data_loader import get_data_structure
```

```
from accelerate.data_loader import get_logger
```

```
from accelerate.data_loader import get_sampler
```

```
from accelerate.data_loader import initialize_tensors
```

```
from accelerate.data_loader import is_datasets_available
```

```
from accelerate.data_loader import is_torch_version
```

```
from accelerate.data_loader import is_torchdata_stateful_data_loader_available
```

```
from accelerate.data_loader import prepare_data_loader
```

```
from accelerate.data_loader import send_to_device
```

```
from accelerate.data_loader import skip_first_batches
```

```
from accelerate.data_loader import slice_tensors
```

```
from accelerate.data_loader import synchronize_rng_states
```

```
# Sentinels / Constants / Objects
```

```
from accelerate.data_loader import additional_kwargs
```

```
from accelerate.data_loader import Callable
```

```
from accelerate.data_loader import is_torch_xla_available
```

```
from accelerate.data_loader import logger
```

```
from accelerate.data_loader import Optional
```

```
from accelerate.data_loader import Union
```

```
from accelerate.data_loader import v
```

[accelerate.hooks](#)

Classes

```
[
    AlignDevicesHook,
    CpuOffload,
    LayerwiseCastingHook,
    Mapping,
    ModelHook,
    PartialState,
    PrefixedDataset,
    SequentialHook,
    UserCpuOffloadHook
]
```

Functions

```
[
    add_hook_to_module,
    attach_align_device_hook,
    attach_align_device_hook_on_blocks,
    attach_execution_device_hook,
    clear_device_cache,
    find_device,
    get_non_persistent_buffers,
    named_module_tensors,
    recursive_getattr,
    remove_hook_from_module,
    remove_hook_from_submodules,
    send_to_device,
    set_module_tensor_to_device
]
```

Sentinels / Constants / Objects

```
[
    is_mlu_available,
    is_musa_available,
    is_npu_available,
    Optional,
    Union
]
```

Import statements

```
from accelerate.hooks import AlignDevicesHook
from accelerate.hooks import CpuOffload
from accelerate.hooks import LayerwiseCastingHook
from accelerate.hooks import Mapping
from accelerate.hooks import ModelHook
from accelerate.hooks import PartialState
from accelerate.hooks import PrefixedDataset
from accelerate.hooks import SequentialHook
from accelerate.hooks import UserCpuOffloadHook
```

Functions

```
from accelerate.hooks import add_hook_to_module
from accelerate.hooks import attach_align_device_hook
from accelerate.hooks import attach_align_device_hook_on_blocks
from accelerate.hooks import attach_execution_device_hook
from accelerate.hooks import clear_device_cache
from accelerate.hooks import find_device
from accelerate.hooks import get_non_persistent_buffers
from accelerate.hooks import named_module_tensors
from accelerate.hooks import recursive_getattr
from accelerate.hooks import remove_hook_from_module
from accelerate.hooks import remove_hook_from_submodules
from accelerate.hooks import send_to_device
from accelerate.hooks import set_module_tensor_to_device
```

Sentinels / Constants / Objects


```

from accelerate.hooks import is_mlu_available
from accelerate.hooks import is_musa_available
from accelerate.hooks import is_npu_available
from accelerate.hooks import Optional
from accelerate.hooks import Union

```

accelerate.inference

Classes

```

[
    Any,
    MethodType,
    PartialState
]

```

Functions

```

[
    build_pipeline,
    calculate_maximum_sizes,
    convert_bytes,
    copy_tensor_to_devices,
    find_pippy_batch_size,
    generate_device_map,
    ignorant_find_batch_size,
    infer_auto_device_map,
    is_pippy_available,
    pad_input_tensors,
    pippy_forward,
    prepare_pippy,
    send_to_device
]

```

Sentinels / Constants / Objects

```

[
    Optional,
    Union
]

```

Import statements

```

from accelerate.inference import Any
from accelerate.inference import MethodType
from accelerate.inference import PartialState

# Functions
from accelerate.inference import build_pipeline
from accelerate.inference import calculate_maximum_sizes
from accelerate.inference import convert_bytes
from accelerate.inference import copy_tensor_to_devices
from accelerate.inference import find_pippy_batch_size
from accelerate.inference import generate_device_map
from accelerate.inference import ignorant_find_batch_size
from accelerate.inference import infer_auto_device_map
from accelerate.inference import is_pippy_available
from accelerate.inference import pad_input_tensors
from accelerate.inference import pippy_forward
from accelerate.inference import prepare_pippy
from accelerate.inference import send_to_device

# Sentinels / Constants / Objects
from accelerate.inference import Optional
from accelerate.inference import Union

```

accelerate.launchers

Classes

```
[
    AcceleratorState,
    PartialState,
    PrecisionType,
    PrepareForLaunch
]
Functions
[
    are_libraries_initialized,
    check_cuda_p2p_ib_support,
    debug_launcher,
    get_gpu_info,
    is_mps_available,
    is_torch_version,
    notebook_launcher,
    patch_environment,
    test_launch
]
Sentinels / Constants / Objects
[
    ELASTIC_LOG_LINE_PREFIX_TEMPLATE_PYTORCH_VERSION
]
```

Import statements

```
from accelerate.launchers import AcceleratorState
from accelerate.launchers import PartialState
from accelerate.launchers import PrecisionType
from accelerate.launchers import PrepareForLaunch

# Functions
from accelerate.launchers import are_libraries_initialized
from accelerate.launchers import check_cuda_p2p_ib_support
from accelerate.launchers import debug_launcher
from accelerate.launchers import get_gpu_info
from accelerate.launchers import is_mps_available
from accelerate.launchers import is_torch_version
from accelerate.launchers import notebook_launcher
from accelerate.launchers import patch_environment
from accelerate.launchers import test_launch

# Sentinels / Constants / Objects
from accelerate.launchers import ELASTIC_LOG_LINE_PREFIX_TEMPLATE_PYTORCH_VERSION
```

[accelerate.local_sgd](#)

Classes

```
[
    Accelerator,
    DistributedType,
    LocalSGD
]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```
from accelerate.local_sgd import Accelerator
from accelerate.local_sgd import DistributedType
from accelerate.local_sgd import LocalSGD
```

Functions

```
(none)
```

Sentinels / Constants / Objects

(none)

accelerate.logging

Classes

```
[
    MultiProcessAdapter,
    PartialState
]
```

Functions

```
[
    get_logger
]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from accelerate.logging import MultiProcessAdapter
from accelerate.logging import PartialState
```

Functions

```
from accelerate.logging import get_logger
```

Sentinels / Constants / Objects

(none)

accelerate.memory_utils

Classes

```
[]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

(none)

Functions

(none)

Sentinels / Constants / Objects

(none)

accelerate.optimizer

Classes

```
[
    AcceleratedOptimizer,
    AcceleratorState,
    DistributedType,
    GradientState
]
```

Functions

```
[
    honor_type,
    is_lomo_available,
    move_to_device,
    patch_optimizer_step
]
```

Sentinels / Constants / Objects

```
[
    is_torch_xla_available
]
```

Import statements

```
from accelerate.optimizer import AcceleratedOptimizer
from accelerate.optimizer import AcceleratorState
from accelerate.optimizer import DistributedType
from accelerate.optimizer import GradientState

# Functions
from accelerate.optimizer import honor_type
from accelerate.optimizer import is_lomo_available
from accelerate.optimizer import move_to_device
from accelerate.optimizer import patch_optimizer_step

# Sentinels / Constants / Objects
from accelerate.optimizer import is_torch_xla_available
```

accelerate.parallelism_config

Classes

```
[
    ParallelismConfig,
    TorchContextParallelConfig,
    TorchTensorParallelConfig
]
```

Functions

```
[
    dataclass,
    is_torch_version
]
```

Sentinels / Constants / Objects

```
[
    Optional,
    TYPE_CHECKING,
    Union
]
```

Import statements

```
from accelerate.parallelism_config import ParallelismConfig
from accelerate.parallelism_config import TorchContextParallelConfig
from accelerate.parallelism_config import TorchTensorParallelConfig

# Functions
from accelerate.parallelism_config import dataclass
from accelerate.parallelism_config import is_torch_version

# Sentinels / Constants / Objects
from accelerate.parallelism_config import Optional
from accelerate.parallelism_config import TYPE_CHECKING
from accelerate.parallelism_config import Union
```

accelerate.scheduler

Classes

```
[
    AcceleratedScheduler,
    AcceleratorState,
    GradientState
]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```
from accelerate.scheduler import AcceleratedScheduler
```

```

from accelerate.scheduler import AcceleratorState
from accelerate.scheduler import GradientState

# Functions
(none)

# Sentinels / Constants / Objects
(none)

```

accelerate.state

Classes

```

[
    AcceleratorState,
    Any,
    DistributedType,
    DynamoBackend,
    GradientAccumulationPlugin,
    GradientState,
    partial,
    PartialState,
    SageMakerDistributedType,
    SharedDict,
    ThreadLocalSharedDict
]

```

Functions

```

[
    check_cuda_p2p_ib_support,
    contextmanager,
    deepspeed_required,
    do_nothing,
    get_cpu_distributed_information,
    get_int_from_env,
    is_ccl_available,
    is_datasets_available,
    is_deepspeed_available,
    is_fp8_available,
    is_habana_gaudi1,
    is_initialized,
    is_ipex_available,
    is_mps_available,
    is_xccl_available,
    parse_choice_from_env,
    parse_flag_from_env
]

```

Sentinels / Constants / Objects

```

[
    annotations,
    Callable,
    check_cuda_fp8_capability,
    is_hpu_available,
    is_mlu_available,
    is_musa_available,
    is_npu_available,
    is_sdaa_available,
    is_torch_xla_available,
    is_xpu_available,
    logger,
    set_numa_affinity
]

```

Import statements

```

from accelerate.state import AcceleratorState

```

```

from accelerate.state import Any
from accelerate.state import DistributedType
from accelerate.state import DynamoBackend
from accelerate.state import GradientAccumulationPlugin
from accelerate.state import GradientState
from accelerate.state import partial
from accelerate.state import PartialState
from accelerate.state import SageMakerDistributedType
from accelerate.state import SharedDict
from accelerate.state import ThreadLocalSharedDict

# Functions
from accelerate.state import check_cuda_p2p_ib_support
from accelerate.state import contextmanager
from accelerate.state import deepspeed_required
from accelerate.state import do_nothing
from accelerate.state import get_cpu_distributed_information
from accelerate.state import get_int_from_env
from accelerate.state import is_ccl_available
from accelerate.state import is_datasets_available
from accelerate.state import is_deepspeed_available
from accelerate.state import is_fp8_available
from accelerate.state import is_habana_gaudi1
from accelerate.state import is_initialized
from accelerate.state import is_ipex_available
from accelerate.state import is_mps_available
from accelerate.state import is_xccl_available
from accelerate.state import parse_choice_from_env
from accelerate.state import parse_flag_from_env

# Sentinels / Constants / Objects
from accelerate.state import annotations
from accelerate.state import Callable
from accelerate.state import check_cuda_fp8_capability
from accelerate.state import is_hpu_available
from accelerate.state import is_mlu_available
from accelerate.state import is_musa_available
from accelerate.state import is_npu_available
from accelerate.state import is_sdaa_available
from accelerate.state import is_torch_xla_available
from accelerate.state import is_xpu_available
from accelerate.state import logger
from accelerate.state import set_numa_affinity

```

accelerate.test_utils

Classes

```

[
    RegressionDataset,
    RegressionModel,
    RegressionModel4XPU
]

```

Functions

```

[
    are_the_same_tensors,
    assert_exception,
    capture_call_output,
    execute_subprocess_async,
    get_launch_command,
    get_torch_dist_unique_port,
    memory_allocated_func,
    path_in_accelerate_package,

```

```

pytest_xdist_worker_id,
require_bnb,
require_cpu,
require_cuda,
require_cuda_or_hpu,
require_cuda_or_xpu,
require_fp16,
require_fp8,
require_huggingface_suite,
require_mlu,
require_mps,
require_multi_device,
require_multi_gpu,
require_multi_gpu_or_xpu,
require_multi_xpu,
require_musa,
require_non_cpu,
require_non_hpu,
require_non_torch_xla,
require_non_xpu,
require_npu,
require_pippy,
require_sdaa,
require_single_device,
require_single_gpu,
require_single_xpu,
require_torch_min_version,
require_torchao,
require_torchvision,
require_tpu,
require_transformer_engine,
require_xpu,
run_first,
skip,
slow

```

```
]
```

Sentinels / Constants / Objects

```

[
    DEFAULT_LAUNCH_COMMAND,
    device_count,
    torch_device
]

```

Import statements

```

from accelerate.test_utils import RegressionDataset
from accelerate.test_utils import RegressionModel
from accelerate.test_utils import RegressionModel4XPU

```

Functions

```

from accelerate.test_utils import are_the_same_tensors
from accelerate.test_utils import assert_exception
from accelerate.test_utils import capture_call_output
from accelerate.test_utils import execute_subprocess_async
from accelerate.test_utils import get_launch_command
from accelerate.test_utils import get_torch_dist_unique_port
from accelerate.test_utils import memory_allocated_func
from accelerate.test_utils import path_in_accelerate_package
from accelerate.test_utils import pytest_xdist_worker_id
from accelerate.test_utils import require_bnb
from accelerate.test_utils import require_cpu
from accelerate.test_utils import require_cuda
from accelerate.test_utils import require_cuda_or_hpu
from accelerate.test_utils import require_cuda_or_xpu

```

```

from accelerate.test_utils import require_fp16
from accelerate.test_utils import require_fp8
from accelerate.test_utils import require_huggingface_suite
from accelerate.test_utils import require_mlu
from accelerate.test_utils import require_mps
from accelerate.test_utils import require_multi_device
from accelerate.test_utils import require_multi_gpu
from accelerate.test_utils import require_multi_gpu_or_xpu
from accelerate.test_utils import require_multi_xpu
from accelerate.test_utils import require_musa
from accelerate.test_utils import require_non_cpu
from accelerate.test_utils import require_non_hpu
from accelerate.test_utils import require_non_torch_xla
from accelerate.test_utils import require_non_xpu
from accelerate.test_utils import require_npu
from accelerate.test_utils import require_pippy
from accelerate.test_utils import require_sdaa
from accelerate.test_utils import require_single_device
from accelerate.test_utils import require_single_gpu
from accelerate.test_utils import require_single_xpu
from accelerate.test_utils import require_torch_min_version
from accelerate.test_utils import require_torchao
from accelerate.test_utils import require_torchvision
from accelerate.test_utils import require_tpu
from accelerate.test_utils import require_transformer_engine
from accelerate.test_utils import require_xpu
from accelerate.test_utils import run_first
from accelerate.test_utils import skip
from accelerate.test_utils import slow

# Sentinels / Constants / Objects
from accelerate.test_utils import DEFAULT_LAUNCH_COMMAND
from accelerate.test_utils import device_count
from accelerate.test_utils import torch_device

```

accelerate.tracking

Classes

```

[
    AimTracker,
    Any,
    ClearMLTracker,
    CometMLTracker,
    DVCLiveTracker,
    GeneralTracker,
    LoggerType,
    MLflowTracker,
    PartialState,
    SwanLabTracker,
    TensorBoardTracker,
    TrackioTracker,
    WandBTracker
]

```

Functions

```

[
    compare_versions,
    filter_trackers,
    get_available_trackers,
    get_logger,
    is_aim_available,
    is_clearml_available,
    is_comet_ml_available,

```



```

is_dvclive_available,
is_mlflow_available,
is_swanlab_available,
is_tensorboard_available,
is_trackio_available,
is_wandb_available,
listify,
on_main_process,
wraps
]

```

Sentinels / Constants / Objects

```

[
    logger,
    LOGGER_TYPE_TO_CLASS,
    Optional,
    Union
]

```

Import statements

```

from accelerate.tracking import AimTracker
from accelerate.tracking import Any
from accelerate.tracking import ClearMLTracker
from accelerate.tracking import CometMLTracker
from accelerate.tracking import DVCLiveTracker
from accelerate.tracking import GeneralTracker
from accelerate.tracking import LoggerType
from accelerate.tracking import MLflowTracker
from accelerate.tracking import PartialState
from accelerate.tracking import SwanLabTracker
from accelerate.tracking import TensorBoardTracker
from accelerate.tracking import TrackioTracker
from accelerate.tracking import WandBTracker

```

Functions

```

from accelerate.tracking import compare_versions
from accelerate.tracking import filter_trackers
from accelerate.tracking import get_available_trackers
from accelerate.tracking import get_logger
from accelerate.tracking import is_aim_available
from accelerate.tracking import is_clearml_available
from accelerate.tracking import is_comet_ml_available
from accelerate.tracking import is_dvclive_available
from accelerate.tracking import is_mlflow_available
from accelerate.tracking import is_swanlab_available
from accelerate.tracking import is_tensorboard_available
from accelerate.tracking import is_trackio_available
from accelerate.tracking import is_wandb_available
from accelerate.tracking import listify
from accelerate.tracking import on_main_process
from accelerate.tracking import wraps

```

Sentinels / Constants / Objects

```

from accelerate.tracking import logger
from accelerate.tracking import LOGGER_TYPE_TO_CLASS
from accelerate.tracking import Optional
from accelerate.tracking import Union

```

accelerate.utils

Classes

```

[
    AbstractTrainStep,
    AORecipeKwargs,

```

```

AutocastKwargs,
BertTrainStep,
BnbQuantizationConfig,
CannotPadNestedTensorWarning,
ComputeEnvironment,
CustomDtype,
DataLoaderConfiguration,
DDPCommunicationHookType,
DeepSpeedPlugin,
DistributedDataParallelKwargs,
DistributedType,
DynamoBackend,
FP8RecipeKwargs,
FullyShardedDataParallelPlugin,
GPTTrainStep,
GradientAccumulationPlugin,
GradScalerKwargs,
InitProcessGroupKwargs,
KwargsHandler,
LoggerType,
MegatronLMDummyDataLoader,
MegatronLMDummyScheduler,
MegatronLMPlugin,
MSAMPRecipeKwargs,
OffloadedWeightsLoader,
ParallelismConfig,
PrecisionType,
PrefixedDataset,
PrepareForLaunch,
ProfileKwargs,
ProjectConfiguration,
RNGType,
SageMakerDistributedType,
T5TrainStep,
TensorInformation,
TERecipeKwargs,
TorchContextParallelConfig,
TorchDynamoPlugin,
TorchTensorParallelConfig,
TorchTensorParallelPlugin
]

```

Functions

```

[
    add_model_config_to_megatron_parser,
    align_module_device,
    apply_fp8_autowrap,
    are_libraries_initialized,
    avg_losses_across_data_parallel_group,
    broadcast,
    broadcast_object_list,
    calculate_maximum_sizes,
    check_cuda_p2p_ib_support,
    check_device_map,
    check_os_kernel,
    check_tied_parameters_in_config,
    check_tied_parameters_on_same_device,
    clean_state_dict_for_safetensors,
    clear_environment,
    compare_versions,
    compile_regions,
    compile_regions_deepspeed,
    compute_module_sizes,

```

concatenate,
contextual_fp8_autocast,
convert_bytes,
convert_dict_to_env_variables,
convert_file_size_to_int,
convert_model,
convert_model_to_fp8_ao,
convert_outputs_to_fp32,
convert_to_fp32,
copy_tensor_to_devices,
deepspeed_required,
disable_fsdp_ram_efficient_loading,
dtype_byte_size,
enable_fsdp_ram_efficient_loading,
ensure_weights_retrieved,
extract_model_from_parallel,
extract_submodules_state_dict,
filter_first_and_last_linear_layers,
find_batch_size,
find_device,
find_executable_batch_size,
find_tied_parameters,
fsdp2_apply_ac,
fsdp2_canonicalize_names,
fsdp2_load_full_state_dict,
fsdp2_prepare_model,
fsdp2_switch_optimizer_parameters,
gather,
gather_object,
GatheredParameters,
get_balanced_memory,
get_ccl_version,
get_cpu_distributed_information,
get_data_structure,
get_fsdp2_grad_scaler,
get_gpu_info,
get_grad_scaler,
get_int_from_env,
get_max_layer_size,
get_max_memory,
get_mixed_precision_context_manager,
get_module_children_bottom_up,
get_pretty_name,
has_4bit_bnb_layers,
has_ao_layers,
has_compiled_regions,
has_offloaded_params,
has_transformer_engine_layers,
honor_type,
id_tensor_storage,
ignorant_find_batch_size,
infer_auto_device_map,
initialize_tensors,
install_xla,
is_4bit_bnb_available,
is_8bit_bnb_available,
is_aim_available,
is_bf16_available,
is_bitsandbytes_multi_backend_available,
is_bnb_available,
is_boto3_available,
is_ccl_available,

is_clearml_available,
is_comet_ml_available,
is_compiled_module,
is_cuda_available,
is_datasets_available,
is_deepspeed_available,
is_dvclive_available,
is_fp16_available,
is_fp8_available,
is_habana_gaudi1,
is_import_timer_available,
is_ipex_available,
is_lomo_available,
is_matplotlib_available,
is_megatron_lm_available,
is_mlflow_available,
is_mps_available,
is_msamp_available,
is_namedtuple,
is_pandas_available,
is_peft_available,
is_peft_model,
is_pippy_available,
is_port_in_use,
is_pynvml_available,
is_pytest_available,
is_rich_available,
is_sagemaker_available,
is_schedulefree_available,
is_swanlab_available,
is_tensor_information,
is_tensorboard_available,
is_timm_available,
is_torch_tensor,
is_torch_version,
is_torchao_available,
is_torchdata_available,
is_torchdata_stateful_dataloader_available,
is_torchvision_available,
is_trackio_available,
is_transformer_engine_available,
is_transformers_available,
is_triton_available,
is_wandb_available,
is_weights_only_available,
is_xccl_available,
listify,
load,
load_and_quantize_model,
load_checkpoint_in_model,
load_fsdp_model,
load_fsdp_optimizer,
load_offloaded_weight,
load_offloaded_weights,
load_state_dict,
merge_dicts,
merge_fsdp_weights,
model_has_dtensor,
named_module_tensors,
offload_state_dict,
offload_weight,
pad_across_processes,

```

pad_input_tensors,
parse_choice_from_env,
parse_flag_from_env,
patch_environment,
prepare_deepspeed_cmd_env,
prepare_multi_gpu_env,
prepare_sagemaker_args_inputs,
prepare_simple_launcher_cmd_env,
prepare_tpu,
purge_accelerate_environment,
recursive_getattr,
recursively_apply,
reduce,
release_memory,
retie_parameters,
save,
save_fsdp_model,
save_fsdp_optimizer,
save_offload_index,
send_to_device,
set_module_tensor_to_device,
set_seed,
slice_tensors,
str_to_bool,
synchronize_rng_state,
synchronize_rng_states,
torchao_required,
tqdm,
wait_for_everyone,
write_basic_config

```

]

Sentinels / Constants / Objects

[

```

check_cuda_fp8_capability,
is_hpu_available,
is_mlu_available,
is_musa_available,
is_npu_available,
is_sdaa_available,
is_torch_xla_available,
is_xpu_available,
MITA_PROFILING_AVAILABLE_PYTORCH_VERSION,
MODEL_NAME,
OPTIMIZER_NAME,
PROFILE_PATTERN_NAME,
RNG_STATE_NAME,
SAFE_MODEL_NAME,
SAFE_WEIGHTS_INDEX_NAME,
SAFE_WEIGHTS_NAME,
SAFE_WEIGHTS_PATTERN_NAME,
SAMPLER_NAME,
SCALER_NAME,
SCHEDULER_NAME,
set_numa_affinity,
TORCH_DISTRIBUTED_OPERATION_TYPES,
TORCH_LAUNCH_PARAMS,
WEIGHTS_INDEX_NAME,
WEIGHTS_NAME,
WEIGHTS_PATTERN_NAME,
XPU_PROFILING_AVAILABLE_PYTORCH_VERSION

```

]

Import statements

```

from accelerate.utils import AbstractTrainStep
from accelerate.utils import AORecipeKwargs
from accelerate.utils import AutocastKwargs
from accelerate.utils import BertTrainStep
from accelerate.utils import BnbQuantizationConfig
from accelerate.utils import CannotPadNestedTensorWarning
from accelerate.utils import ComputeEnvironment
from accelerate.utils import CustomDtype
from accelerate.utils import DataLoaderConfiguration
from accelerate.utils import DDPCommunicationHookType
from accelerate.utils import DeepSpeedPlugin
from accelerate.utils import DistributedDataParallelKwargs
from accelerate.utils import DistributedType
from accelerate.utils import DynamoBackend
from accelerate.utils import FP8RecipeKwargs
from accelerate.utils import FullyShardedDataParallelPlugin
from accelerate.utils import GPTTrainStep
from accelerate.utils import GradientAccumulationPlugin
from accelerate.utils import GradScalerKwargs
from accelerate.utils import InitProcessGroupKwargs
from accelerate.utils import KwargsHandler
from accelerate.utils import LoggerType
from accelerate.utils import MegatronLMDummyDataLoader
from accelerate.utils import MegatronLMDummyScheduler
from accelerate.utils import MegatronLMPlugin
from accelerate.utils import MSAMPRecipeKwargs
from accelerate.utils import OffloadedWeightsLoader
from accelerate.utils import ParallelismConfig
from accelerate.utils import PrecisionType
from accelerate.utils import PrefixedDataset
from accelerate.utils import PrepareForLaunch
from accelerate.utils import ProfileKwargs
from accelerate.utils import ProjectConfiguration
from accelerate.utils import RNGType
from accelerate.utils import SageMakerDistributedType
from accelerate.utils import T5TrainStep
from accelerate.utils import TensorInformation
from accelerate.utils import TERecipeKwargs
from accelerate.utils import TorchContextParallelConfig
from accelerate.utils import TorchDynamoPlugin
from accelerate.utils import TorchTensorParallelConfig
from accelerate.utils import TorchTensorParallelPlugin

# Functions
from accelerate.utils import add_model_config_to_megatron_parser
from accelerate.utils import align_module_device
from accelerate.utils import apply_fp8_autowrap
from accelerate.utils import are_libraries_initialized
from accelerate.utils import avg_losses_across_data_parallel_group
from accelerate.utils import broadcast
from accelerate.utils import broadcast_object_list
from accelerate.utils import calculate_maximum_sizes
from accelerate.utils import check_cuda_p2p_ib_support
from accelerate.utils import check_device_map
from accelerate.utils import check_os_kernel
from accelerate.utils import check_tied_parameters_in_config
from accelerate.utils import check_tied_parameters_on_same_device
from accelerate.utils import clean_state_dict_for_safetensors
from accelerate.utils import clear_environment
from accelerate.utils import compare_versions
from accelerate.utils import compile_regions
from accelerate.utils import compile_regions_deepspeed

```

```
from accelerate.utils import compute_module_sizes
from accelerate.utils import concatenate
from accelerate.utils import contextual_fp8_autocast
from accelerate.utils import convert_bytes
from accelerate.utils import convert_dict_to_env_variables
from accelerate.utils import convert_file_size_to_int
from accelerate.utils import convert_model
from accelerate.utils import convert_model_to_fp8_aot
from accelerate.utils import convert_outputs_to_fp32
from accelerate.utils import convert_to_fp32
from accelerate.utils import copy_tensor_to_devices
from accelerate.utils import deepspeed_required
from accelerate.utils import disable_fsdp_ram_efficient_loading
from accelerate.utils import dtype_byte_size
from accelerate.utils import enable_fsdp_ram_efficient_loading
from accelerate.utils import ensure_weights_tied
from accelerate.utils import extract_model_from_parallel
from accelerate.utils import extract_submodules_state_dict
from accelerate.utils import filter_first_and_last_linear_layers
from accelerate.utils import find_batch_size
from accelerate.utils import find_device
from accelerate.utils import find_executable_batch_size
from accelerate.utils import find_tied_parameters
from accelerate.utils import fsdp2_apply_ac
from accelerate.utils import fsdp2_canonicalize_names
from accelerate.utils import fsdp2_load_full_state_dict
from accelerate.utils import fsdp2_prepare_model
from accelerate.utils import fsdp2_switch_optimizer_parameters
from accelerate.utils import gather
from accelerate.utils import gather_object
from accelerate.utils import GatheredParameters
from accelerate.utils import get_balanced_memory
from accelerate.utils import get_ccl_version
from accelerate.utils import get_cpu_distributed_information
from accelerate.utils import get_data_structure
from accelerate.utils import get_fsdp2_grad_scaler
from accelerate.utils import get_gpu_info
from accelerate.utils import get_grad_scaler
from accelerate.utils import get_int_from_env
from accelerate.utils import get_max_layer_size
from accelerate.utils import get_max_memory
from accelerate.utils import get_mixed_precision_context_manager
from accelerate.utils import get_module_children_bottom_up
from accelerate.utils import get_pretty_name
from accelerate.utils import has_4bit_bnb_layers
from accelerate.utils import has_aot_layers
from accelerate.utils import has_compiled_regions
from accelerate.utils import has_offloaded_params
from accelerate.utils import has_transformer_engine_layers
from accelerate.utils import honor_type
from accelerate.utils import id_tensor_storage
from accelerate.utils import ignorant_find_batch_size
from accelerate.utils import infer_auto_device_map
from accelerate.utils import initialize_tensors
from accelerate.utils import install_xla
from accelerate.utils import is_4bit_bnb_available
from accelerate.utils import is_8bit_bnb_available
from accelerate.utils import is_aim_available
from accelerate.utils import is_bf16_available
from accelerate.utils import is_bitsandbytes_multi_backend_available
from accelerate.utils import is_bnb_available
from accelerate.utils import is_boto3_available
```

```
from accelerate.utils import is_ccl_available
from accelerate.utils import is_clearml_available
from accelerate.utils import is_comet_ml_available
from accelerate.utils import is_compiled_module
from accelerate.utils import is_cuda_available
from accelerate.utils import is_datasets_available
from accelerate.utils import is_deepspeed_available
from accelerate.utils import is_dvclive_available
from accelerate.utils import is_fp16_available
from accelerate.utils import is_fp8_available
from accelerate.utils import is_habana_gaudi1
from accelerate.utils import is_import_timer_available
from accelerate.utils import is_ipex_available
from accelerate.utils import is_lomo_available
from accelerate.utils import is_matplotlib_available
from accelerate.utils import is_megatron_lm_available
from accelerate.utils import is_mlflow_available
from accelerate.utils import is_mps_available
from accelerate.utils import is_msamp_available
from accelerate.utils import is_namedtuple
from accelerate.utils import is_pandas_available
from accelerate.utils import is_peft_available
from accelerate.utils import is_peft_model
from accelerate.utils import is_pipipy_available
from accelerate.utils import is_port_in_use
from accelerate.utils import is_pynvml_available
from accelerate.utils import is_pytest_available
from accelerate.utils import is_rich_available
from accelerate.utils import is_sagemaker_available
from accelerate.utils import is_schedulefree_available
from accelerate.utils import is_swanlab_available
from accelerate.utils import is_tensor_information
from accelerate.utils import is_tensorboard_available
from accelerate.utils import is_timm_available
from accelerate.utils import is_torch_tensor
from accelerate.utils import is_torch_version
from accelerate.utils import is_torchao_available
from accelerate.utils import is_torchdata_available
from accelerate.utils import is_torchdata_stateful_data_loader_available
from accelerate.utils import is_torchvision_available
from accelerate.utils import is_trackio_available
from accelerate.utils import is_transformer_engine_available
from accelerate.utils import is_transformers_available
from accelerate.utils import is_triton_available
from accelerate.utils import is_wandb_available
from accelerate.utils import is_weights_only_available
from accelerate.utils import is_xccl_available
from accelerate.utils import listify
from accelerate.utils import load
from accelerate.utils import load_and_quantize_model
from accelerate.utils import load_checkpoint_in_model
from accelerate.utils import load_fsdp_model
from accelerate.utils import load_fsdp_optimizer
from accelerate.utils import load_offloaded_weight
from accelerate.utils import load_offloaded_weights
from accelerate.utils import load_state_dict
from accelerate.utils import merge_dicts
from accelerate.utils import merge_fsdp_weights
from accelerate.utils import model_has_dtensor
from accelerate.utils import named_module_tensors
from accelerate.utils import offload_state_dict
from accelerate.utils import offload_weight
```



```

from accelerate.utils import pad_across_processes
from accelerate.utils import pad_input_tensors
from accelerate.utils import parse_choice_from_env
from accelerate.utils import parse_flag_from_env
from accelerate.utils import patch_environment
from accelerate.utils import prepare_deepspeed_cmd_env
from accelerate.utils import prepare_multi_gpu_env
from accelerate.utils import prepare_sagemaker_args_inputs
from accelerate.utils import prepare_simple_launcher_cmd_env
from accelerate.utils import prepare_tpu
from accelerate.utils import purge_accelerate_environment
from accelerate.utils import recursive_getattr
from accelerate.utils import recursively_apply
from accelerate.utils import reduce
from accelerate.utils import release_memory
from accelerate.utils import retie_parameters
from accelerate.utils import save
from accelerate.utils import save_fsdp_model
from accelerate.utils import save_fsdp_optimizer
from accelerate.utils import save_offload_index
from accelerate.utils import send_to_device
from accelerate.utils import set_module_tensor_to_device
from accelerate.utils import set_seed
from accelerate.utils import slice_tensors
from accelerate.utils import str_to_bool
from accelerate.utils import synchronize_rng_state
from accelerate.utils import synchronize_rng_states
from accelerate.utils import torchao_required
from accelerate.utils import tqdm
from accelerate.utils import wait_for_everyone
from accelerate.utils import write_basic_config

# Sentinels / Constants / Objects
from accelerate.utils import check_cuda_fp8_capability
from accelerate.utils import is_hpu_available
from accelerate.utils import is_mlu_available
from accelerate.utils import is_musa_available
from accelerate.utils import is_npu_available
from accelerate.utils import is_sdaa_available
from accelerate.utils import is_torch_xla_available
from accelerate.utils import is_xpu_available
from accelerate.utils import MITA_PROFILING_AVAILABLE_PYTORCH_VERSION
from accelerate.utils import MODEL_NAME
from accelerate.utils import OPTIMIZER_NAME
from accelerate.utils import PROFILE_PATTERN_NAME
from accelerate.utils import RNG_STATE_NAME
from accelerate.utils import SAFE_MODEL_NAME
from accelerate.utils import SAFE_WEIGHTS_INDEX_NAME
from accelerate.utils import SAFE_WEIGHTS_NAME
from accelerate.utils import SAFE_WEIGHTS_PATTERN_NAME
from accelerate.utils import SAMPLER_NAME
from accelerate.utils import SCALER_NAME
from accelerate.utils import SCHEDULER_NAME
from accelerate.utils import set_numa_affinity
from accelerate.utils import TORCH_DISTRIBUTED_OPERATION_TYPES
from accelerate.utils import TORCH_LAUNCH_PARAMS
from accelerate.utils import WEIGHTS_INDEX_NAME
from accelerate.utils import WEIGHTS_NAME
from accelerate.utils import WEIGHTS_PATTERN_NAME
from accelerate.utils import XPU_PROFILING_AVAILABLE_PYTORCH_VERSION

```

Distribution: datasets

Total public modules: 32

datasets

Classes

```
[
    Array2D,
    Array3D,
    Array4D,
    Array5D,
    ArrowBasedBuilder,
    Audio,
    BuilderConfig,
    ClassLabel,
    Column,
    Dataset,
    DatasetBuilder,
    DatasetDict,
    DatasetInfo,
    DownloadConfig,
    DownloadManager,
    DownloadMode,
    Features,
    GeneratorBasedBuilder,
    Image,
    IterableColumn,
    IterableDataset,
    IterableDatasetDict,
    LargeList,
    List,
    NamedSplit,
    NamedSplitAll,
    Pdf,
    percent,
    ReadInstruction,
    Sequence,
    Split,
    SplitBase,
    SplitDict,
    SplitGenerator,
    SplitInfo,
    StreamingDownloadManager,
    SubSplitInfo,
    tqdm,
    Translation,
    TranslationVariableLanguages,
    Value,
    VerificationMode,
    Version,
    Video
]
```

Functions

```
[
    are_progressBars_disabled,
    concatenate_datasets,
    disable_caching,
    disable_progress_bar,
    disable_progressBars,
    enable_caching,
    enable_progress_bar,
]
```

```
enable_progressBars,  
experimental,  
get_dataset_config_info,  
get_dataset_config_names,  
get_dataset_default_config_name,  
get_dataset_infos,  
get_dataset_split_names,  
interleave_datasets,  
is_caching_enabled,  
is_progress_bar_enabled,  
load_dataset,  
load_dataset_builder,  
load_from_disk
```

```
]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from datasets import Array2D  
from datasets import Array3D  
from datasets import Array4D  
from datasets import Array5D  
from datasets import ArrowBasedBuilder  
from datasets import Audio  
from datasets import BuilderConfig  
from datasets import ClassLabel  
from datasets import Column  
from datasets import Dataset  
from datasets import DatasetBuilder  
from datasets import DatasetDict  
from datasets import DatasetInfo  
from datasets import DownloadConfig  
from datasets import DownloadManager  
from datasets import DownloadMode  
from datasets import Features  
from datasets import GeneratorBasedBuilder  
from datasets import Image  
from datasets import IterableColumn  
from datasets import IterableDataset  
from datasets import IterableDatasetDict  
from datasets import LargeList  
from datasets import List  
from datasets import NamedSplit  
from datasets import NamedSplitAll  
from datasets import Pdf  
from datasets import percent  
from datasets import ReadInstruction  
from datasets import Sequence  
from datasets import Split  
from datasets import SplitBase  
from datasets import SplitDict  
from datasets import SplitGenerator  
from datasets import SplitInfo  
from datasets import StreamingDownloadManager  
from datasets import SubSplitInfo  
from datasets import tqdm  
from datasets import Translation  
from datasets import TranslationVariableLanguages  
from datasets import Value  
from datasets import VerificationMode  
from datasets import Version  
from datasets import Video  
# Functions
```

```

from datasets import are_progressBars_disabled
from datasets import concatenate_datasets
from datasets import disable_caching
from datasets import disable_progress_bar
from datasets import disable_progressBars
from datasets import enable_caching
from datasets import enable_progress_bar
from datasets import enable_progressBars
from datasets import experimental
from datasets import get_dataset_config_info
from datasets import get_dataset_config_names
from datasets import get_dataset_default_config_name
from datasets import get_dataset_infos
from datasets import get_dataset_split_names
from datasets import interleave_datasets
from datasets import is_caching_enabled
from datasets import is_progress_bar_enabled
from datasets import load_dataset
from datasets import load_dataset_builder
from datasets import load_from_disk

# Sentinels / Constants / Objects
(none)

```

datasets.arrow_dataset

Classes

```

[
    Any,
    ArrowReader,
    ArrowWriter,
    Audio,
    BinaryIO,
    BytesIO,
    ClassLabel,
    Column,
    CommitInfo,
    CommitOperationAdd,
    CommitOperationDelete,
    Counter,
    Dataset,
    DatasetCard,
    DatasetCardData,
    DatasetInfo,
    DatasetInfoMixin,
    DatasetInfosDict,
    DatasetTransformationNotAllowedError,
    defaultdict,
    Features,
    hf_tqdm,
    HfApi,
    Image,
    IndexableMixin,
    InMemoryTable,
    Iterable,
    Iterator,
    LazyDict,
    List,
    Mapping,
    MemoryMappedTable,
    MetadataConfigs,
    NamedSplit,

```

```
NonExistentDatasetError,  
OptimizedTypedSequence,  
partial,  
Path,  
RepoFile,  
Sequence_,  
Split,  
SplitDict,  
SplitInfo,  
Table,  
TensorflowDatasetMixin,  
Value,  
Video  
]
```

Functions

```
[  
    asdict,  
    async_get_indices_from_mask_function,  
    cast_array_to_feature,  
    ceil,  
    concat_tables,  
    convert_file_size_to_int,  
    dataset_to_tf,  
    deepcopy,  
    embed_table_storage,  
    estimate_dataset_size,  
    fingerprint_transform,  
    floor,  
    format_kwargs_for_fingerprint,  
    format_table,  
    format_transform_for_fingerprint,  
    generate_fingerprint,  
    generate_from_arrow_type,  
    generate_random_fingerprint,  
    get_format_type_from_alias,  
    get_formatter,  
    get_indices_from_mask_function,  
    get_temporary_cache_files_directory,  
    glob_pattern_to_regex,  
    iflatmap_unordered,  
    is_caching_enabled,  
    is_remote_filesystem,  
    is_small_dataset,  
    list_table_cache_files,  
    maybe_register_dataset_for_temp_dir_deletion,  
    minimal_tf_collate_fn,  
    multiprocessing_dataset_to_tf,  
    overload,  
    pandas_types_mapper,  
    Pool,  
    query_table,  
    require_decoding,  
    sample,  
    sanitize_patterns,  
    stratified_shuffle_split_generate_indices,  
    string_to_dict,  
    table_cast,  
    table_iter,  
    table_visitor,  
    thread_map,  
    transmit_format,  
    update_fingerprint,  
]
```

```
update_metadata_with_features,
url_to_fs,
validate_fingerprint,
wraps,
xgetsize
]
```

Sentinels / Constants / Objects

```
[
    Callable,
    FeatureType,
    ListLike,
    Literal,
    logger,
    Optional,
    PathLike,
    PUSH_TO_HUB_WITHOUT_METADATA_CONFIGS_SPLIT_PATTERN_SHARDED,
    TYPE_CHECKING,
    Union
]
```

Import statements

```
from datasets.arrow_dataset import Any
from datasets.arrow_dataset import ArrowReader
from datasets.arrow_dataset import ArrowWriter
from datasets.arrow_dataset import Audio
from datasets.arrow_dataset import BinaryIO
from datasets.arrow_dataset import BytesIO
from datasets.arrow_dataset import ClassLabel
from datasets.arrow_dataset import Column
from datasets.arrow_dataset import CommitInfo
from datasets.arrow_dataset import CommitOperationAdd
from datasets.arrow_dataset import CommitOperationDelete
from datasets.arrow_dataset import Counter
from datasets.arrow_dataset import Dataset
from datasets.arrow_dataset import DatasetCard
from datasets.arrow_dataset import DatasetCardData
from datasets.arrow_dataset import DatasetInfo
from datasets.arrow_dataset import DatasetInfoMixin
from datasets.arrow_dataset import DatasetInfosDict
from datasets.arrow_dataset import DatasetTransformationNotAllowedError
from datasets.arrow_dataset import defaultdict
from datasets.arrow_dataset import Features
from datasets.arrow_dataset import hf_tqdm
from datasets.arrow_dataset import HfApi
from datasets.arrow_dataset import Image
from datasets.arrow_dataset import IndexableMixin
from datasets.arrow_dataset import InMemoryTable
from datasets.arrow_dataset import Iterable
from datasets.arrow_dataset import Iterator
from datasets.arrow_dataset import LazyDict
from datasets.arrow_dataset import List
from datasets.arrow_dataset import Mapping
from datasets.arrow_dataset import MemoryMappedTable
from datasets.arrow_dataset import MetadataConfigs
from datasets.arrow_dataset import NamedSplit
from datasets.arrow_dataset import NonExistentDatasetError
from datasets.arrow_dataset import OptimizedTypedSequence
from datasets.arrow_dataset import partial
from datasets.arrow_dataset import Path
from datasets.arrow_dataset import RepoFile
from datasets.arrow_dataset import Sequence_
from datasets.arrow_dataset import Split
from datasets.arrow_dataset import SplitDict
```

```

from datasets.arrow_dataset import SplitInfo
from datasets.arrow_dataset import Table
from datasets.arrow_dataset import TensorflowDatasetMixin
from datasets.arrow_dataset import Value
from datasets.arrow_dataset import Video

# Functions
from datasets.arrow_dataset import asdict
from datasets.arrow_dataset import async_get_indices_from_mask_function
from datasets.arrow_dataset import cast_array_to_feature
from datasets.arrow_dataset import ceil
from datasets.arrow_dataset import concat_tables
from datasets.arrow_dataset import convert_file_size_to_int
from datasets.arrow_dataset import dataset_to_tf
from datasets.arrow_dataset import deepcopy
from datasets.arrow_dataset import embed_table_storage
from datasets.arrow_dataset import estimate_dataset_size
from datasets.arrow_dataset import fingerprint_transform
from datasets.arrow_dataset import floor
from datasets.arrow_dataset import format_kwargs_for_fingerprint
from datasets.arrow_dataset import format_table
from datasets.arrow_dataset import format_transform_for_fingerprint
from datasets.arrow_dataset import generate_fingerprint
from datasets.arrow_dataset import generate_from_arrow_type
from datasets.arrow_dataset import generate_random_fingerprint
from datasets.arrow_dataset import get_format_type_from_alias
from datasets.arrow_dataset import get_formatter
from datasets.arrow_dataset import get_indices_from_mask_function
from datasets.arrow_dataset import get_temporary_cache_files_directory
from datasets.arrow_dataset import glob_pattern_to_regex
from datasets.arrow_dataset import iflatmap_unordered
from datasets.arrow_dataset import is_caching_enabled
from datasets.arrow_dataset import is_remote_filesystem
from datasets.arrow_dataset import is_small_dataset
from datasets.arrow_dataset import list_table_cache_files
from datasets.arrow_dataset import maybe_register_dataset_for_temp_dir_deletion
from datasets.arrow_dataset import minimal_tf_collate_fn
from datasets.arrow_dataset import multiprocessing_dataset_to_tf
from datasets.arrow_dataset import overload
from datasets.arrow_dataset import pandas_types_mapper
from datasets.arrow_dataset import Pool
from datasets.arrow_dataset import query_table
from datasets.arrow_dataset import require_decoding
from datasets.arrow_dataset import sample
from datasets.arrow_dataset import sanitize_patterns
from datasets.arrow_dataset import stratified_shuffle_split_generate_indices
from datasets.arrow_dataset import string_to_dict
from datasets.arrow_dataset import table_cast
from datasets.arrow_dataset import table_iter
from datasets.arrow_dataset import table_visitor
from datasets.arrow_dataset import thread_map
from datasets.arrow_dataset import transmit_format
from datasets.arrow_dataset import update_fingerprint
from datasets.arrow_dataset import update_metadata_with_features
from datasets.arrow_dataset import url_to_fs
from datasets.arrow_dataset import validate_fingerprint
from datasets.arrow_dataset import wraps
from datasets.arrow_dataset import xgetsize

# Sentinels / Constants / Objects
from datasets.arrow_dataset import Callable
from datasets.arrow_dataset import FeatureType

```

```

from datasets.arrow_dataset import ListLike
from datasets.arrow_dataset import Literal
from datasets.arrow_dataset import logger
from datasets.arrow_dataset import Optional
from datasets.arrow_dataset import PathLike
from datasets.arrow_dataset import PUSH_TO_HUB_WITHOUT_METADATA_CONFIGS_SPLIT_PATTERN_SHARDED
from datasets.arrow_dataset import TYPE_CHECKING
from datasets.arrow_dataset import Union

```

datasets.arrow_reader

Classes

```

[
    ArrowReader,
    BaseReader,
    DatasetNotOnHfGcsError,
    DownloadConfig,
    FileInstructions,
    hf_tqdm,
    InMemoryTable,
    MemoryMappedTable,
    MissingFilesOnHfGcsError,
    ParquetReader,
    partial,
    ReadInstruction,
    Table
]

```

Functions

```

[
    concat_tables,
    dataclass,
    filenames_for_dataset_split,
    make_file_instructions,
    thread_map
]

```

Sentinels / Constants / Objects

```

[
    HF_GCP_BASE_URL,
    logger,
    Optional,
    TYPE_CHECKING,
    Union
]

```

Import statements

```

from datasets.arrow_reader import ArrowReader
from datasets.arrow_reader import BaseReader
from datasets.arrow_reader import DatasetNotOnHfGcsError
from datasets.arrow_reader import DownloadConfig
from datasets.arrow_reader import FileInstructions
from datasets.arrow_reader import hf_tqdm
from datasets.arrow_reader import InMemoryTable
from datasets.arrow_reader import MemoryMappedTable
from datasets.arrow_reader import MissingFilesOnHfGcsError
from datasets.arrow_reader import ParquetReader
from datasets.arrow_reader import partial
from datasets.arrow_reader import ReadInstruction
from datasets.arrow_reader import Table

```

Functions

```

from datasets.arrow_reader import concat_tables
from datasets.arrow_reader import dataclass
from datasets.arrow_reader import filenames_for_dataset_split

```



```

from datasets.arrow_reader import make_file_instructions
from datasets.arrow_reader import thread_map

# Sentinels / Constants / Objects
from datasets.arrow_reader import HF_GCP_BASE_URL
from datasets.arrow_reader import logger
from datasets.arrow_reader import Optional
from datasets.arrow_reader import TYPE_CHECKING
from datasets.arrow_reader import Union

```

datasets.arrow_writer

Classes

```

[
    Any,
    ArrowWriter,
    Audio,
    DatasetInfo,
    DuplicatedKeysError,
    Features,
    Image,
    Iterable,
    KeyHasher,
    List,
    OptimizedTypedSequence,
    ParquetWriter,
    Pdf,
    SchemaInferenceError,
    type_,
    TypedSequence,
    Value,
    Video
]

```

Functions

```

[
    array_cast,
    asdict,
    cast_array_to_feature,
    cast_to_python_objects,
    embed_table_storage,
    first_non_null_non_empty_value,
    generate_from_arrow_type,
    get_nested_type,
    get_writer_batch_size,
    is_remote_filesystem,
    list_of_np_array_to_pyarrow_listarray,
    numpy_to_pyarrow_listarray,
    table_cast,
    to_pyarrow_listarray,
    url_to_fs
]

```

Sentinels / Constants / Objects

```

[
    FeatureType,
    logger,
    Optional,
    Union
]

```

Import statements

```

from datasets.arrow_writer import Any
from datasets.arrow_writer import ArrowWriter
from datasets.arrow_writer import Audio

```

```

from datasets.arrow_writer import DatasetInfo
from datasets.arrow_writer import DuplicatedKeysError
from datasets.arrow_writer import Features
from datasets.arrow_writer import Image
from datasets.arrow_writer import Iterable
from datasets.arrow_writer import KeyHasher
from datasets.arrow_writer import List
from datasets.arrow_writer import OptimizedTypedSequence
from datasets.arrow_writer import ParquetWriter
from datasets.arrow_writer import Pdf
from datasets.arrow_writer import SchemaInferenceError
from datasets.arrow_writer import type_
from datasets.arrow_writer import TypedSequence
from datasets.arrow_writer import Value
from datasets.arrow_writer import Video

# Functions
from datasets.arrow_writer import array_cast
from datasets.arrow_writer import asdict
from datasets.arrow_writer import cast_array_to_feature
from datasets.arrow_writer import cast_to_python_objects
from datasets.arrow_writer import embed_table_storage
from datasets.arrow_writer import first_non_null_non_empty_value
from datasets.arrow_writer import generate_from_arrow_type
from datasets.arrow_writer import get_nested_type
from datasets.arrow_writer import get_writer_batch_size
from datasets.arrow_writer import is_remote_filesystem
from datasets.arrow_writer import list_of_np_array_to_pyarrow_listarray
from datasets.arrow_writer import numpy_to_pyarrow_listarray
from datasets.arrow_writer import table_cast
from datasets.arrow_writer import to_pyarrow_listarray
from datasets.arrow_writer import url_to_fs

# Sentinels / Constants / Objects
from datasets.arrow_writer import FeatureType
from datasets.arrow_writer import logger
from datasets.arrow_writer import Optional
from datasets.arrow_writer import Union

```

datasets.builder

Classes

```

[
    ArrowBasedBuilder,
    ArrowExamplesIterable,
    ArrowReader,
    ArrowWriter,
    BuilderConfig,
    CastError,
    classproperty,
    DataFilesDict,
    DataFilesPatternsDict,
    Dataset,
    DatasetBuilder,
    DatasetDict,
    DatasetGenerationCastError,
    DatasetGenerationError,
    DatasetInfo,
    DownloadConfig,
    DownloadManager,
    DownloadMode,
    DuplicatedKeysError,

```

```
ExamplesIterable,  
Features,  
FileFormatError,  
FileLock,  
GeneratorBasedBuilder,  
Hasher,  
hf_tqdm,  
InvalidConfigName,  
Iterable,  
IterableDataset,  
IterableDatasetDict,  
ManualDownloadError,  
Mapping,  
ParquetWriter,  
partial,  
Path,  
PostProcessedInfo,  
ReadInstruction,  
SchemaInferenceError,  
Split,  
SplitDict,  
SplitGenerator,  
SplitInfo,  
StreamingDownloadManager,  
tracked_list,  
VerificationMode
```

```
]
```

Functions

```
[  
    camelcase_to_snakecase,  
    convert_file_size_to_int,  
    dataclass,  
    extend_dataset_builder_for_streaming,  
    get_size_checksum_dict,  
    has_sufficient_disk_space,  
    iflatmap_unordered,  
    is_remote_filesystem,  
    is_remote_url,  
    map_nested,  
    memoize,  
    patch,  
    Pool,  
    rename,  
    sanitize_patterns,  
    size_str,  
    temporary_assignment,  
    thread_map,  
    url_to_fs,  
    verify_checksums,  
    verify_splits,  
    xjoin
```

```
]
```

Sentinels / Constants / Objects

```
[  
    INVALID_WINDOWS_CHARACTERS_IN_PATH,  
    logger,  
    Optional,  
    TYPE_CHECKING,  
    Union
```

```
]
```

Import statements

```
from datasets.builder import ArrowBasedBuilder
```

```

from datasets.builder import ArrowExamplesIterable
from datasets.builder import ArrowReader
from datasets.builder import ArrowWriter
from datasets.builder import BuilderConfig
from datasets.builder import CastError
from datasets.builder import classproperty
from datasets.builder import DataFilesDict
from datasets.builder import DataFilesPatternsDict
from datasets.builder import Dataset
from datasets.builder import DatasetBuilder
from datasets.builder import DatasetDict
from datasets.builder import DatasetGenerationCastError
from datasets.builder import DatasetGenerationError
from datasets.builder import DatasetInfo
from datasets.builder import DownloadConfig
from datasets.builder import DownloadManager
from datasets.builder import DownloadMode
from datasets.builder import DuplicatedKeysError
from datasets.builder import ExamplesIterable
from datasets.builder import Features
from datasets.builder import FileFormatError
from datasets.builder import FileLock
from datasets.builder import GeneratorBasedBuilder
from datasets.builder import Hasher
from datasets.builder import hf_tqdm
from datasets.builder import InvalidConfigName
from datasets.builder import Iterable
from datasets.builder import IterableDataset
from datasets.builder import IterableDatasetDict
from datasets.builder import ManualDownloadError
from datasets.builder import Mapping
from datasets.builder import ParquetWriter
from datasets.builder import partial
from datasets.builder import Path
from datasets.builder import PostProcessedInfo
from datasets.builder import ReadInstruction
from datasets.builder import SchemaInferenceError
from datasets.builder import Split
from datasets.builder import SplitDict
from datasets.builder import SplitGenerator
from datasets.builder import SplitInfo
from datasets.builder import StreamingDownloadManager
from datasets.builder import tracked_list
from datasets.builder import VerificationMode

# Functions
from datasets.builder import camelcase_to_snakecase
from datasets.builder import convert_file_size_to_int
from datasets.builder import dataclass
from datasets.builder import extend_dataset_builder_for_streaming
from datasets.builder import get_size_checksum_dict
from datasets.builder import has_sufficient_disk_space
from datasets.builder import iflatmap_unordered
from datasets.builder import is_remote_filesystem
from datasets.builder import is_remote_url
from datasets.builder import map_nested
from datasets.builder import memoize
from datasets.builder import patch
from datasets.builder import Pool
from datasets.builder import rename
from datasets.builder import sanitize_patterns
from datasets.builder import size_str

```

```

from datasets.builder import temporary_assignment
from datasets.builder import thread_map
from datasets.builder import url_to_fs
from datasets.builder import verify_checksums
from datasets.builder import verify_splits
from datasets.builder import xjoin

# Sentinels / Constants / Objects
from datasets.builder import INVALID_WINDOWS_CHARACTERS_IN_PATH
from datasets.builder import logger
from datasets.builder import Optional
from datasets.builder import TYPE_CHECKING
from datasets.builder import Union

```

datasets.combine

Classes

```

[
    Dataset,
    DatasetDict,
    DatasetInfo,
    IterableDataset,
    IterableDatasetDict,
    NamedSplit,
    TypeVar
]

```

Functions

```

[
    concatenate_datasets,
    interleave_datasets
]

```

Sentinels / Constants / Objects

```

[
    DatasetType,
    Literal,
    logger,
    Optional
]

```

Import statements

```

from datasets.combine import Dataset
from datasets.combine import DatasetDict
from datasets.combine import DatasetInfo
from datasets.combine import IterableDataset
from datasets.combine import IterableDatasetDict
from datasets.combine import NamedSplit
from datasets.combine import TypeVar

# Functions
from datasets.combine import concatenate_datasets
from datasets.combine import interleave_datasets

# Sentinels / Constants / Objects
from datasets.combine import DatasetType
from datasets.combine import Literal
from datasets.combine import logger
from datasets.combine import Optional

```

datasets.commands

Classes

```

[
    ABC,

```

```

    ArgumentParser,
    BaseDatasetsCLICommand
]
Functions
[
    abstractmethod
]
Sentinels / Constants / Objects
[]
Import statements
from datasets.commands import ABC
from datasets.commands import ArgumentParser
from datasets.commands import BaseDatasetsCLICommand

# Functions
from datasets.commands import abstractmethod

# Sentinels / Constants / Objects
(none)

```

datasets.config

```

Classes
[
    Path
]
Functions
[]
Sentinels / Constants / Objects
[
    ARCHIVED_DATA_FILES_MAX_NUMBER_FOR_MODULE_INFERENCE,
    ARROW_READER_BATCH_SIZE_IN_DATASET_ITER,
    CLOUDFRONT_DATASETS_DISTRIB_PREFIX,
    DATA_FILES_MAX_NUMBER_FOR_MODULE_INFERENCE,
    DATASET_ARROW_FILENAME,
    DATASET_INDICES_FILENAME,
    DATASET_INFO_FILENAME,
    DATASET_STATE_JSON_FILENAME,
    DATASETDICT_INFOS_FILENAME,
    DATASETDICT_JSON_FILENAME,
    DEFAULT_DOWNLOADED_DATASETS_PATH,
    DEFAULT_EXTRACTED_DATASETS_PATH,
    DEFAULT_HF_CACHE_HOME,
    DEFAULT_HF_DATASETS_CACHE,
    DEFAULT_HF_MODULES_CACHE,
    DEFAULT_IN_MEMORY_MAX_SIZE,
    DEFAULT_MAX_BATCH_SIZE,
    DEFAULT_XDG_CACHE_HOME,
    DILL_VERSION,
    DOWNLOADED_DATASETS_DIR,
    DOWNLOADED_DATASETS_PATH,
    DUCKDB_AVAILABLE,
    DUCKDB_VERSION,
    ENV_VARS_FALSE_AND_AUTO_VALUES,
    ENV_VARS_FALSE_VALUES,
    ENV_VARS_TRUE_AND_AUTO_VALUES,
    ENV_VARS_TRUE_VALUES,
    EXTRACTED_DATASETS_DIR,
    EXTRACTED_DATASETS_PATH,
    FSSPEC_VERSION,
    GLOBBED_DATA_FILES_MAX_NUMBER_FOR_MODULE_INFERENCE,
    HF_CACHE_HOME,

```

HF_DATASETS_CACHE,
HF_DATASETS_DISABLE_PROGRESS_BARS,
HF_DATASETS_MULTITHREADING_MAX_WORKERS,
HF_DATASETS_OFFLINE,
HF_ENDPOINT,
HF_HUB_OFFLINE,
HF_HUB_VERSION,
HF_MODULES_CACHE,
HF_UPDATE_DOWNLOAD_COUNTS,
HUB_DATASETS_HFFS_URL,
HUB_DATASETS_URL,
HUB_DEFAULT_VERSION,
IN_MEMORY_MAX_SIZE,
IS_MP3_SUPPORTED,
IS_OPUS_SUPPORTED,
JAX_AVAILABLE,
JAX_VERSION,
LICENSE_FILENAME,
logger,
LZ4_AVAILABLE,
MAX_DATASET_CONFIG_ID_READABLE_LENGTH,
MAX_NUM_RUNNING_ASYNC_MAP_FUNCTIONS_IN_PARALLEL,
MAX_SHARD_SIZE,
MAX_TABLE_NBYTES_FOR_PICKLING,
METADATA_CONFIGS_FIELD,
MODULE_NAME_FOR_DYNAMIC_MODULES,
Optional,
package,
PANDAS_VERSION,
PARQUET_ROW_GROUP_SIZE_FOR_AUDIO_DATASETS,
PARQUET_ROW_GROUP_SIZE_FOR_BINARY_DATASETS,
PARQUET_ROW_GROUP_SIZE_FOR_IMAGE_DATASETS,
PARQUET_ROW_GROUP_SIZE_FOR_VIDEO_DATASETS,
PBAR_REFRESH_TIME_INTERVAL,
PDFPLUMBER_AVAILABLE,
PIL_AVAILABLE,
POLARS_AVAILABLE,
POLARS_VERSION,
PY7ZR_AVAILABLE,
PY_VERSION,
PYARROW_VERSION,
RARFILE_AVAILABLE,
REPO_DATASETS_URL,
REPOCARD_FILENAME,
REPOYAML_FILENAME,
S3_DATASETS_BUCKET_PREFIX,
SQLALCHEMY_AVAILABLE,
STREAMING_READ_MAX_RETRIES,
STREAMING_READ_RETRY_INTERVAL,
TEMP_CACHE_DIR_PREFIX,
TF_AVAILABLE,
TF_VERSION,
TORCH_AVAILABLE,
TORCH_VERSION,
TORCHCODEC_AVAILABLE,
TORCHVISION_AVAILABLE,
UPLOADS_MAX_NUMBER_PER_COMMIT,
USE_JAX,
USE_PARQUET_EXPORT,
USE_TF,
USE_TORCH,
XDG_CACHE_HOME,

```

ZSTANDARD_AVAILABLE
]
Import statements
from datasets.config import Path

# Functions
(none)

# Sentinels / Constants / Objects
from datasets.config import ARCHIVED_DATA_FILES_MAX_NUMBER_FOR_MODULE_INFERENCE
from datasets.config import ARROW_READER_BATCH_SIZE_IN_DATASET_ITER
from datasets.config import CLOUDFRONT_DATASETS_DISTRIB_PREFIX
from datasets.config import DATA_FILES_MAX_NUMBER_FOR_MODULE_INFERENCE
from datasets.config import DATASET_ARROW_FILENAME
from datasets.config import DATASET_INDICES_FILENAME
from datasets.config import DATASET_INFO_FILENAME
from datasets.config import DATASET_STATE_JSON_FILENAME
from datasets.config import DATASETDICT_INFOS_FILENAME
from datasets.config import DATASETDICT_JSON_FILENAME
from datasets.config import DEFAULT_DOWNLOADED_DATASETS_PATH
from datasets.config import DEFAULT_EXTRACTED_DATASETS_PATH
from datasets.config import DEFAULT_HF_CACHE_HOME
from datasets.config import DEFAULT_HF_DATASETS_CACHE
from datasets.config import DEFAULT_HF_MODULES_CACHE
from datasets.config import DEFAULT_IN_MEMORY_MAX_SIZE
from datasets.config import DEFAULT_MAX_BATCH_SIZE
from datasets.config import DEFAULT_XDG_CACHE_HOME
from datasets.config import DILL_VERSION
from datasets.config import DOWNLOADED_DATASETS_DIR
from datasets.config import DOWNLOADED_DATASETS_PATH
from datasets.config import DUCKDB_AVAILABLE
from datasets.config import DUCKDB_VERSION
from datasets.config import ENV_VARS_FALSE_AND_AUTO_VALUES
from datasets.config import ENV_VARS_FALSE_VALUES
from datasets.config import ENV_VARS_TRUE_AND_AUTO_VALUES
from datasets.config import ENV_VARS_TRUE_VALUES
from datasets.config import EXTRACTED_DATASETS_DIR
from datasets.config import EXTRACTED_DATASETS_PATH
from datasets.config import FSSPEC_VERSION
from datasets.config import GLOBBED_DATA_FILES_MAX_NUMBER_FOR_MODULE_INFERENCE
from datasets.config import HF_CACHE_HOME
from datasets.config import HF_DATASETS_CACHE
from datasets.config import HF_DATASETS_DISABLE_PROGRESS_BARS
from datasets.config import HF_DATASETS_MULTITHREADING_MAX_WORKERS
from datasets.config import HF_DATASETS_OFFLINE
from datasets.config import HF_ENDPOINT
from datasets.config import HF_HUB_OFFLINE
from datasets.config import HF_HUB_VERSION
from datasets.config import HF_MODULES_CACHE
from datasets.config import HF_UPDATE_DOWNLOAD_COUNTS
from datasets.config import HUB_DATASETS_HFFS_URL
from datasets.config import HUB_DATASETS_URL
from datasets.config import HUB_DEFAULT_VERSION
from datasets.config import IN_MEMORY_MAX_SIZE
from datasets.config import IS_MP3_SUPPORTED
from datasets.config import IS_OPUS_SUPPORTED
from datasets.config import JAX_AVAILABLE
from datasets.config import JAX_VERSION
from datasets.config import LICENSE_FILENAME
from datasets.config import logger
from datasets.config import LZ4_AVAILABLE
from datasets.config import MAX_DATASET_CONFIG_ID_READABLE_LENGTH

```



```

from datasets.config import MAX_NUM_RUNNING_ASYNC_MAP_FUNCTIONS_IN_PARALLEL
from datasets.config import MAX_SHARD_SIZE
from datasets.config import MAX_TABLE_NBYTES_FOR_PICKLING
from datasets.config import METADATA_CONFIGS_FIELD
from datasets.config import MODULE_NAME_FOR_DYNAMIC_MODULES
from datasets.config import Optional
from datasets.config import package
from datasets.config import PANDAS_VERSION
from datasets.config import PARQUET_ROW_GROUP_SIZE_FOR_AUDIO_DATASETS
from datasets.config import PARQUET_ROW_GROUP_SIZE_FOR_BINARY_DATASETS
from datasets.config import PARQUET_ROW_GROUP_SIZE_FOR_IMAGE_DATASETS
from datasets.config import PARQUET_ROW_GROUP_SIZE_FOR_VIDEO_DATASETS
from datasets.config import PBAR_REFRESH_TIME_INTERVAL
from datasets.config import PDFPLUMBER_AVAILABLE
from datasets.config import PIL_AVAILABLE
from datasets.config import POLARS_AVAILABLE
from datasets.config import POLARS_VERSION
from datasets.config import PY7ZR_AVAILABLE
from datasets.config import PY_VERSION
from datasets.config import PYARROW_VERSION
from datasets.config import RARFILE_AVAILABLE
from datasets.config import REPO_DATASETS_URL
from datasets.config import REPOCARD_FILENAME
from datasets.config import REPOYAML_FILENAME
from datasets.config import S3_DATASETS_BUCKET_PREFIX
from datasets.config import SQLALCHEMY_AVAILABLE
from datasets.config import STREAMING_READ_MAX_RETRIES
from datasets.config import STREAMING_READ_RETRY_INTERVAL
from datasets.config import TEMP_CACHE_DIR_PREFIX
from datasets.config import TF_AVAILABLE
from datasets.config import TF_VERSION
from datasets.config import TORCH_AVAILABLE
from datasets.config import TORCH_VERSION
from datasets.config import TORCHCODEC_AVAILABLE
from datasets.config import TORCHVISION_AVAILABLE
from datasets.config import UPLOADS_MAX_NUMBER_PER_COMMIT
from datasets.config import USE_JAX
from datasets.config import USE_PARQUET_EXPORT
from datasets.config import USE_TF
from datasets.config import USE_TORCH
from datasets.config import XDG_CACHE_HOME
from datasets.config import ZSTANDARD_AVAILABLE

```

datasets.data_files

Classes

```

[
    DataFilesDict,
    DataFilesList,
    DataFilesPatternsDict,
    DataFilesPatternsList,
    DownloadConfig,
    EmptyDatasetError,
    hf_tqdm,
    HfFilesystem,
    partial,
    Path,
    PurePath,
    Split,
    Url
]

```

Functions

```
[
    contains_wildcards,
    get_data_patterns,
    has_magic,
    is_local_path,
    is_relative_path,
    resolve_pattern,
    sanitize_patterns,
    string_to_dict,
    thread_map,
    url_to_fs,
    xbasename,
    xjoin
]
```

Sentinels / Constants / Objects

```
[
    ALL_DEFAULT_PATTERNS,
    ALL_SPLIT_PATTERNS,
    Callable,
    DEFAULT_PATTERNS_ALL,
    DEFAULT_PATTERNS_SPLIT_IN_DIR_NAME,
    DEFAULT_PATTERNS_SPLIT_IN_FILENAME,
    DEFAULT_SPLITS,
    FILES_TO_IGNORE,
    KEYWORDS_IN_DIR_NAME_BASE_PATTERNS,
    KEYWORDS_IN_FILENAME_BASE_PATTERNS,
    logger,
    NON_WORDS_CHARS,
    Optional,
    SANITIZED_DEFAULT_SPLIT,
    SingleOriginMetadata,
    SPLIT_KEYWORDS,
    SPLIT_PATTERN_SHARDED,
    Union,
    WILDCARD_CHARACTERS
]
```

Import statements

```
from datasets.data_files import DataFilesDict
from datasets.data_files import DataFilesList
from datasets.data_files import DataFilesPatternsDict
from datasets.data_files import DataFilesPatternsList
from datasets.data_files import DownloadConfig
from datasets.data_files import EmptyDatasetError
from datasets.data_files import hf_tqdm
from datasets.data_files import HfFileSystem
from datasets.data_files import partial
from datasets.data_files import Path
from datasets.data_files import PurePath
from datasets.data_files import Split
from datasets.data_files import Url
```

Functions

```
from datasets.data_files import contains_wildcards
from datasets.data_files import get_data_patterns
from datasets.data_files import has_magic
from datasets.data_files import is_local_path
from datasets.data_files import is_relative_path
from datasets.data_files import resolve_pattern
from datasets.data_files import sanitize_patterns
from datasets.data_files import string_to_dict
from datasets.data_files import thread_map
from datasets.data_files import url_to_fs
```

```

from datasets.data_files import xbasename
from datasets.data_files import xjoin

# Sentinels / Constants / Objects
from datasets.data_files import ALL_DEFAULT_PATTERNS
from datasets.data_files import ALL_SPLIT_PATTERNS
from datasets.data_files import Callable
from datasets.data_files import DEFAULT_PATTERNS_ALL
from datasets.data_files import DEFAULT_PATTERNS_SPLIT_IN_DIR_NAME
from datasets.data_files import DEFAULT_PATTERNS_SPLIT_IN_FILENAME
from datasets.data_files import DEFAULT_SPLITS
from datasets.data_files import FILES_TO_IGNORE
from datasets.data_files import KEYWORDS_IN_DIR_NAME_BASE_PATTERNS
from datasets.data_files import KEYWORDS_IN_FILENAME_BASE_PATTERNS
from datasets.data_files import logger
from datasets.data_files import NON_WORDS_CHARS
from datasets.data_files import Optional
from datasets.data_files import SANITIZED_DEFAULT_SPLIT
from datasets.data_files import SingleOriginMetadata
from datasets.data_files import SPLIT_KEYWORDS
from datasets.data_files import SPLIT_PATTERN_SHARDED
from datasets.data_files import Union
from datasets.data_files import WILDCARD_CHARACTERS

```

datasets.dataset_dict

Classes

```

[
    bind,
    CommitInfo,
    CommitOperationAdd,
    CommitOperationDelete,
    Dataset,
    DatasetCard,
    DatasetCardData,
    DatasetDict,
    DatasetInfo,
    DatasetInfosDict,
    Features,
    HfApi,
    IterableDataset,
    IterableDatasetDict,
    MetadataConfigs,
    NamedSplit,
    partial,
    Path,
    RepoFile,
    Sequence,
    Split,
    SplitDict,
    SplitInfo,
    Table
]

```

Functions

```

[
    asdict,
    glob_pattern_to_regex,
    is_documented_by,
    string_to_dict,
    url_to_fs
]

```

Sentinels / Constants / Objects

```
[
    Callable,
    FeatureType,
    logger,
    Optional,
    PathLike,
    PUSH_TO_HUB_WITHOUT_METADATA_CONFIGS_SPLIT_PATTERN_SHARDED,
    Union
]
```

Import statements

```
from datasets.dataset_dict import bind
from datasets.dataset_dict import CommitInfo
from datasets.dataset_dict import CommitOperationAdd
from datasets.dataset_dict import CommitOperationDelete
from datasets.dataset_dict import Dataset
from datasets.dataset_dict import DatasetCard
from datasets.dataset_dict import DatasetCardData
from datasets.dataset_dict import DatasetDict
from datasets.dataset_dict import DatasetInfo
from datasets.dataset_dict import DatasetInfosDict
from datasets.dataset_dict import Features
from datasets.dataset_dict import HfApi
from datasets.dataset_dict import IterableDataset
from datasets.dataset_dict import IterableDatasetDict
from datasets.dataset_dict import MetadataConfigs
from datasets.dataset_dict import NamedSplit
from datasets.dataset_dict import partial
from datasets.dataset_dict import Path
from datasets.dataset_dict import RepoFile
from datasets.dataset_dict import Sequence
from datasets.dataset_dict import Split
from datasets.dataset_dict import SplitDict
from datasets.dataset_dict import SplitInfo
from datasets.dataset_dict import Table
```

Functions

```
from datasets.dataset_dict import asdict
from datasets.dataset_dict import glob_pattern_to_regex
from datasets.dataset_dict import is_documented_by
from datasets.dataset_dict import string_to_dict
from datasets.dataset_dict import url_to_fs
```

Sentinels / Constants / Objects

```
from datasets.dataset_dict import Callable
from datasets.dataset_dict import FeatureType
from datasets.dataset_dict import logger
from datasets.dataset_dict import Optional
from datasets.dataset_dict import PathLike
from datasets.dataset_dict import PUSH_TO_HUB_WITHOUT_METADATA_CONFIGS_SPLIT_PATTERN_SHARDED
from datasets.dataset_dict import Union
```

datasets.distributed

Classes

```
[
    Dataset,
    IterableDataset,
    TypeVar
]
```

Functions

```
[
    split_dataset_by_node
```

```

]
Sentinels / Constants / Objects
[
    DatasetType
]
Import statements
from datasets.distributed import Dataset
from datasets.distributed import IterableDataset
from datasets.distributed import TypeVar

# Functions
from datasets.distributed import split_dataset_by_node

# Sentinels / Constants / Objects
from datasets.distributed import DatasetType

```

datasets.download

Classes

```

[
    DownloadConfig,
    DownloadManager,
    DownloadMode,
    StreamingDownloadManager
]

```

Functions

```

[]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from datasets.download import DownloadConfig
from datasets.download import DownloadManager
from datasets.download import DownloadMode
from datasets.download import StreamingDownloadManager

```

```

# Functions
(none)

```

```

# Sentinels / Constants / Objects
(none)

```

datasets.exceptions

Classes

```

[
    Any,
    CastError,
    ChecksumVerificationError,
    DataFilesNotFoundError,
    DatasetBuildError,
    DatasetGenerationCastError,
    DatasetGenerationError,
    DatasetNotFoundError,
    DatasetsError,
    DefunctDatasetError,
    ExpectedMoreDownloadedFilesError,
    ExpectedMoreSplitsError,
    FileFormatError,
    FileNotFoundDatasetsError,
    HfFileSystem,
    ManualDownloadError,
    NonMatchingChecksumError,

```

```

NonMatchingSplitsSizesError,
SplitsVerificationError,
tracked_list,
tracked_str,
TrackedIterableFromGenerator,
UnexpectedDownloadedFileError,
UnexpectedSplitsError

```

```
]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[
```

```

    Optional,
    Union

```

```
]
```

Import statements

```

from datasets.exceptions import Any
from datasets.exceptions import CastError
from datasets.exceptions import ChecksumVerificationError
from datasets.exceptions import DataFilesNotFoundError
from datasets.exceptions import DatasetBuildError
from datasets.exceptions import DatasetGenerationCastError
from datasets.exceptions import DatasetGenerationError
from datasets.exceptions import DatasetNotFoundError
from datasets.exceptions import DatasetsError
from datasets.exceptions import DefunctDatasetError
from datasets.exceptions import ExpectedMoreDownloadedFilesError
from datasets.exceptions import ExpectedMoreSplitsError
from datasets.exceptions import FileFormatError
from datasets.exceptions import FileNotFoundDatasetsError
from datasets.exceptions import HfFileSystem
from datasets.exceptions import ManualDownloadError
from datasets.exceptions import NonMatchingChecksumError
from datasets.exceptions import NonMatchingSplitsSizesError
from datasets.exceptions import SplitsVerificationError
from datasets.exceptions import tracked_list
from datasets.exceptions import tracked_str
from datasets.exceptions import TrackedIterableFromGenerator
from datasets.exceptions import UnexpectedDownloadedFileError
from datasets.exceptions import UnexpectedSplitsError

```

```
# Functions
```

```
(none)
```

```
# Sentinels / Constants / Objects
```

```
from datasets.exceptions import Optional
```

```
from datasets.exceptions import Union
```

datasets.features

Classes

```
[
```

```

    Array2D,
    Array3D,
    Array4D,
    Array5D,
    Audio,
    ClassLabel,
    Features,
    Image,
    LargeList,
    List,

```

```

    Pdf,
    Sequence,
    Translation,
    TranslationVariableLanguages,
    Value,
    Video
]
Functions
[]
Sentinels / Constants / Objects
[]
Import statements
from datasets.features import Array2D
from datasets.features import Array3D
from datasets.features import Array4D
from datasets.features import Array5D
from datasets.features import Audio
from datasets.features import ClassLabel
from datasets.features import Features
from datasets.features import Image
from datasets.features import LargeList
from datasets.features import List
from datasets.features import Pdf
from datasets.features import Sequence
from datasets.features import Translation
from datasets.features import TranslationVariableLanguages
from datasets.features import Value
from datasets.features import Video

# Functions
(none)

# Sentinels / Constants / Objects
(none)

```

datasets.filesystems

```

Classes
[
    fs_class,
    LocalFileSystem
]
Functions
[
    is_remote_filesystem,
    rename
]
Sentinels / Constants / Objects
[
    COMPRESSION_FILESYSTEMS,
    List
]
Import statements
from datasets.filesystems import fs_class
from datasets.filesystems import LocalFileSystem

# Functions
from datasets.filesystems import is_remote_filesystem
from datasets.filesystems import rename

# Sentinels / Constants / Objects
from datasets.filesystems import COMPRESSION_FILESYSTEMS

```

```
from datasets.filesystems import List
```

datasets.fingerprint

Classes

```
[
    Any,
    Hasher,
    Path
]
```

Functions

```
[
    disable_caching,
    dumps,
    enable_caching,
    fingerprint_transform,
    format_kwargs_for_fingerprint,
    format_transform_for_fingerprint,
    generate_fingerprint,
    generate_random_fingerprint,
    get_datasets_with_cache_file_in_temp_dir,
    get_logger,
    get_temporary_cache_files_directory,
    is_caching_enabled,
    maybe_register_dataset_for_temp_dir_deletion,
    update_fingerprint,
    validate_fingerprint,
    wraps
]
```

Sentinels / Constants / Objects

```
[
    Callable,
    fingerprint_rng,
    fingerprint_warnings,
    INVALID_WINDOWS_CHARACTERS_IN_PATH,
    logger,
    Optional,
    TYPE_CHECKING,
    Union
]
```

Import statements

```
from datasets.fingerprint import Any
from datasets.fingerprint import Hasher
from datasets.fingerprint import Path
```

Functions

```
from datasets.fingerprint import disable_caching
from datasets.fingerprint import dumps
from datasets.fingerprint import enable_caching
from datasets.fingerprint import fingerprint_transform
from datasets.fingerprint import format_kwargs_for_fingerprint
from datasets.fingerprint import format_transform_for_fingerprint
from datasets.fingerprint import generate_fingerprint
from datasets.fingerprint import generate_random_fingerprint
from datasets.fingerprint import get_datasets_with_cache_file_in_temp_dir
from datasets.fingerprint import get_logger
from datasets.fingerprint import get_temporary_cache_files_directory
from datasets.fingerprint import is_caching_enabled
from datasets.fingerprint import maybe_register_dataset_for_temp_dir_deletion
from datasets.fingerprint import update_fingerprint
from datasets.fingerprint import validate_fingerprint
from datasets.fingerprint import wraps
```



```

# Sentinels / Constants / Objects
from datasets.fingerprint import Callable
from datasets.fingerprint import fingerprint_rng
from datasets.fingerprint import fingerprint_warnings
from datasets.fingerprint import INVALID_WINDOWS_CHARACTERS_IN_PATH
from datasets.fingerprint import logger
from datasets.fingerprint import Optional
from datasets.fingerprint import TYPE_CHECKING
from datasets.fingerprint import Union

```

datasets.formatting

Classes

```

[
    ArrowFormatter,
    CustomFormatter,
    Formatter,
    JaxFormatter,
    NumpyFormatter,
    PandasFormatter,
    PolarsFormatter,
    PythonFormatter,
    TableFormatter,
    TensorFormatter,
    TFFormatter,
    TorchFormatter
]

```

Functions

```

[
    format_table,
    get_format_type_from_alias,
    get_formatter,
    query_table
]

```

Sentinels / Constants / Objects

```

[
    Dict,
    List,
    logger,
    Optional,
    Type
]

```

Import statements

```

from datasets.formatting import ArrowFormatter
from datasets.formatting import CustomFormatter
from datasets.formatting import Formatter
from datasets.formatting import JaxFormatter
from datasets.formatting import NumpyFormatter
from datasets.formatting import PandasFormatter
from datasets.formatting import PolarsFormatter
from datasets.formatting import PythonFormatter
from datasets.formatting import TableFormatter
from datasets.formatting import TensorFormatter
from datasets.formatting import TFFormatter
from datasets.formatting import TorchFormatter

```

Functions

```

from datasets.formatting import format_table
from datasets.formatting import get_format_type_from_alias
from datasets.formatting import get_formatter
from datasets.formatting import query_table

```

Sentinels / Constants / Objects

```

from datasets.formatting import Dict
from datasets.formatting import List
from datasets.formatting import logger
from datasets.formatting import Optional
from datasets.formatting import Type

```

datasets.hub

Classes

```

[
    chain,
    CommitInfo,
    CommitOperationAdd,
    CommitOperationDelete,
    DatasetCard,
    DatasetCardData,
    DatasetInfosDict,
    HfApi,
    HfFileSystem,
    MetadataConfigs
]

```

Functions

```

[
    delete_from_hub,
    load_dataset_builder
]

```

Sentinels / Constants / Objects

```

[
    Optional,
    Union
]

```

Import statements

```

from datasets.hub import chain
from datasets.hub import CommitInfo
from datasets.hub import CommitOperationAdd
from datasets.hub import CommitOperationDelete
from datasets.hub import DatasetCard
from datasets.hub import DatasetCardData
from datasets.hub import DatasetInfosDict
from datasets.hub import HfApi
from datasets.hub import HfFileSystem
from datasets.hub import MetadataConfigs

```

Functions

```

from datasets.hub import delete_from_hub
from datasets.hub import load_dataset_builder

```

Sentinels / Constants / Objects

```

from datasets.hub import Optional
from datasets.hub import Union

```

datasets.info

Classes

```

[
    DatasetCard,
    DatasetCardData,
    DatasetInfo,
    DatasetInfosDict,
    DownloadChecksumsEntryData,
    Features,
    MissingCachedSizesConfigError,

```

```
NonMatchingCachedSizesError,  
Path,  
PostProcessedInfo,  
SplitDict,  
SupervisedKeysData,  
Version  
]
```

Functions

```
[  
    asdict,  
    dataclass,  
    get_logger,  
    unique_values,  
    url_to_fs  
]
```

Sentinels / Constants / Objects

```
[  
    ClassVar,  
    logger,  
    Optional,  
    Union  
]
```

Import statements

```
from datasets.info import DatasetCard  
from datasets.info import DatasetCardData  
from datasets.info import DatasetInfo  
from datasets.info import DatasetInfosDict  
from datasets.info import DownloadChecksumsEntryData  
from datasets.info import Features  
from datasets.info import MissingCachedSizesConfigError  
from datasets.info import NonMatchingCachedSizesError  
from datasets.info import Path  
from datasets.info import PostProcessedInfo  
from datasets.info import SplitDict  
from datasets.info import SupervisedKeysData  
from datasets.info import Version
```

Functions

```
from datasets.info import asdict  
from datasets.info import dataclass  
from datasets.info import get_logger  
from datasets.info import unique_values  
from datasets.info import url_to_fs
```

Sentinels / Constants / Objects

```
from datasets.info import ClassVar  
from datasets.info import logger  
from datasets.info import Optional  
from datasets.info import Union
```

datasets.inspect

Classes

```
[  
    DatasetInfo,  
    DownloadConfig,  
    DownloadMode,  
    Mapping,  
    Sequence,  
    SplitsNotFoundError,  
    StreamingDownloadManager,  
    Version  
]
```

```
]
Functions
[
    dataset_module_factory,
    get_dataset_builder_class,
    get_dataset_config_info,
    get_dataset_config_names,
    get_dataset_default_config_name,
    get_dataset_infos,
    get_dataset_split_names,
    get_logger,
    load_dataset_builder
]
```

Sentinels / Constants / Objects

```
[
    logger,
    Optional,
    Union
]
```

Import statements

```
from datasets.inspect import DatasetInfo
from datasets.inspect import DownloadConfig
from datasets.inspect import DownloadMode
from datasets.inspect import Mapping
from datasets.inspect import Sequence
from datasets.inspect import SplitsNotFoundError
from datasets.inspect import StreamingDownloadManager
from datasets.inspect import Version

# Functions
from datasets.inspect import dataset_module_factory
from datasets.inspect import get_dataset_builder_class
from datasets.inspect import get_dataset_config_info
from datasets.inspect import get_dataset_config_names
from datasets.inspect import get_dataset_default_config_name
from datasets.inspect import get_dataset_infos
from datasets.inspect import get_dataset_split_names
from datasets.inspect import get_logger
from datasets.inspect import load_dataset_builder

# Sentinels / Constants / Objects
from datasets.inspect import logger
from datasets.inspect import Optional
from datasets.inspect import Union
```

datasets.io

Classes

```
[]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
(none)
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

datasets.iterable_dataset

Classes

```
[
    Any,
    ArrowExamplesIterable,
    ArrowFormatter,
    BinaryIO,
    BufferShuffledExamplesIterable,
    BytesIO,
    CommitInfo,
    CommitOperationAdd,
    CommitOperationDelete,
    Counter,
    cycle,
    CyclingMultiSourcesExamplesIterable,
    Dataset,
    DatasetCard,
    DatasetCardData,
    DatasetInfo,
    DatasetInfoMixin,
    DatasetInfosDict,
    DistributedConfig,
    ExamplesIterable,
    Features,
    FilteredExamplesIterable,
    FormattedExamplesIterable,
    FormattingConfig,
    hf_tqdm,
    HfApi,
    HorizontallyConcatenatedMultiSourcesExamplesIterable,
    islice,
    Iterable,
    IterableColumn,
    IterableDataset,
    Iterator,
    List,
    MappedExamplesIterable,
    MetadataConfigs,
    NamedSplit,
    partial,
    Path,
    PythonFormatter,
    RandomlyCyclingMultiSourcesExamplesIterable,
    RebatchedArrowExamplesIterable,
    RepeatExamplesIterable,
    RepoFile,
    SelectColumnsIterable,
    ShuffledDataSourcesArrowExamplesIterable,
    ShuffledDataSourcesExamplesIterable,
    ShufflingConfig,
    SkipExamplesIterable,
    Split,
    SplitDict,
    SplitInfo,
    StepExamplesIterable,
    TableFormatter,
    TakeExamplesIterable,
    TensorFormatter,
    Value,
    VerticallyConcatenatedMultiSourcesExamplesIterable
]
```

Functions

```
[
    add_column_fn,
    add_mask,
    asdict,
    async_add_mask,
    cast_table_to_features,
    cast_to_python_objects,
    dataclass,
    deepcopy,
    embed_table_storage,
    get_format_type_from_alias,
    get_formatter,
    get_logger,
    glob_pattern_to_regex,
    identity_func,
    iflatmap_unordered,
    Pool,
    read_schema_from_file,
    require_decoding,
    sanitize_patterns,
    string_to_dict,
    table_cast
]
```

Sentinels / Constants / Objects

```
[
    Callable,
    FeatureType,
    Key,
    Literal,
    logger,
    Optional,
    PathLike,
    PUSH_TO_HUB_WITHOUT_METADATA_CONFIGS_SPLIT_PATTERN_SHARDED,
    TYPE_CHECKING,
    Union
]
```

Import statements

```
from datasets.iterable_dataset import Any
from datasets.iterable_dataset import ArrowExamplesIterable
from datasets.iterable_dataset import ArrowFormatter
from datasets.iterable_dataset import BinaryIO
from datasets.iterable_dataset import BufferShuffledExamplesIterable
from datasets.iterable_dataset import BytesIO
from datasets.iterable_dataset import CommitInfo
from datasets.iterable_dataset import CommitOperationAdd
from datasets.iterable_dataset import CommitOperationDelete
from datasets.iterable_dataset import Counter
from datasets.iterable_dataset import cycle
from datasets.iterable_dataset import CyclingMultiSourcesExamplesIterable
from datasets.iterable_dataset import Dataset
from datasets.iterable_dataset import DatasetCard
from datasets.iterable_dataset import DatasetCardData
from datasets.iterable_dataset import DatasetInfo
from datasets.iterable_dataset import DatasetInfoMixin
from datasets.iterable_dataset import DatasetInfosDict
from datasets.iterable_dataset import DistributedConfig
from datasets.iterable_dataset import ExamplesIterable
from datasets.iterable_dataset import Features
from datasets.iterable_dataset import FilteredExamplesIterable
from datasets.iterable_dataset import FormattedExamplesIterable
from datasets.iterable_dataset import FormattingConfig
```

```

from datasets.iterable_dataset import hf_tqdm
from datasets.iterable_dataset import HfApi
from datasets.iterable_dataset import HorizontallyConcatenatedMultiSourcesExamplesIterable
from datasets.iterable_dataset import islice
from datasets.iterable_dataset import Iterable
from datasets.iterable_dataset import IterableColumn
from datasets.iterable_dataset import IterableDataset
from datasets.iterable_dataset import Iterator
from datasets.iterable_dataset import List
from datasets.iterable_dataset import MappedExamplesIterable
from datasets.iterable_dataset import MetadataConfigs
from datasets.iterable_dataset import NamedSplit
from datasets.iterable_dataset import partial
from datasets.iterable_dataset import Path
from datasets.iterable_dataset import PythonFormatter
from datasets.iterable_dataset import RandomlyCyclingMultiSourcesExamplesIterable
from datasets.iterable_dataset import RebatchedArrowExamplesIterable
from datasets.iterable_dataset import RepeatExamplesIterable
from datasets.iterable_dataset import RepoFile
from datasets.iterable_dataset import SelectColumnsIterable
from datasets.iterable_dataset import ShuffledDataSourcesArrowExamplesIterable
from datasets.iterable_dataset import ShuffledDataSourcesExamplesIterable
from datasets.iterable_dataset import ShufflingConfig
from datasets.iterable_dataset import SkipExamplesIterable
from datasets.iterable_dataset import Split
from datasets.iterable_dataset import SplitDict
from datasets.iterable_dataset import SplitInfo
from datasets.iterable_dataset import StepExamplesIterable
from datasets.iterable_dataset import TableFormatter
from datasets.iterable_dataset import TakeExamplesIterable
from datasets.iterable_dataset import TensorFormatter
from datasets.iterable_dataset import Value
from datasets.iterable_dataset import VerticallyConcatenatedMultiSourcesExamplesIterable

```

Functions

```

from datasets.iterable_dataset import add_column_fn
from datasets.iterable_dataset import add_mask
from datasets.iterable_dataset import asdict
from datasets.iterable_dataset import async_add_mask
from datasets.iterable_dataset import cast_table_to_features
from datasets.iterable_dataset import cast_to_python_objects
from datasets.iterable_dataset import dataclass
from datasets.iterable_dataset import deepcopy
from datasets.iterable_dataset import embed_table_storage
from datasets.iterable_dataset import get_format_type_from_alias
from datasets.iterable_dataset import get_formatter
from datasets.iterable_dataset import get_logger
from datasets.iterable_dataset import glob_pattern_to_regex
from datasets.iterable_dataset import identity_func
from datasets.iterable_dataset import iflatmap_unordered
from datasets.iterable_dataset import Pool
from datasets.iterable_dataset import read_schema_from_file
from datasets.iterable_dataset import require_decoding
from datasets.iterable_dataset import sanitize_patterns
from datasets.iterable_dataset import string_to_dict
from datasets.iterable_dataset import table_cast

```

Sentinels / Constants / Objects

```

from datasets.iterable_dataset import Callable
from datasets.iterable_dataset import FeatureType
from datasets.iterable_dataset import Key
from datasets.iterable_dataset import Literal

```

```

from datasets.iterable_dataset import logger
from datasets.iterable_dataset import Optional
from datasets.iterable_dataset import PathLike
from datasets.iterable_dataset import PUSH_TO_HUB_WITHOUT_METADATA_CONFIGS_SPLIT_PATTERN_SHARDED
from datasets.iterable_dataset import TYPE_CHECKING
from datasets.iterable_dataset import Union

```

datasets.keyhash

Classes

```

[
    DuplicatedKeysError,
    InvalidKeyError,
    KeyHasher
]

```

Functions

```

[]

```

Sentinels / Constants / Objects

```

[
    Union
]

```

Import statements

```

from datasets.keyhash import DuplicatedKeysError
from datasets.keyhash import InvalidKeyError
from datasets.keyhash import KeyHasher

```

```

# Functions
(none)

```

```

# Sentinels / Constants / Objects
from datasets.keyhash import Union

```

datasets.load

Classes

```

[
    Any,
    BuilderConfig,
    BuilderConfigsParameters,
    CachedDatasetModuleFactory,
    Counter,
    DataFilesDict,
    DataFilesList,
    DataFilesNotFoundError,
    DataFilesPatternsDict,
    Dataset,
    DatasetBuilder,
    DatasetCard,
    DatasetCardData,
    DatasetDict,
    DatasetInfo,
    DatasetInfosDict,
    DatasetModule,
    DatasetNotFoundError,
    DownloadConfig,
    DownloadMode,
    EmptyDatasetError,
    EntryNotFoundError,
    Features,
    FolderBasedBuilder,
    GatedRepoError,
    Hasher,

```



```

HfApi,
HubDatasetModuleFactory,
HubDatasetModuleFactoryWithParquetExport,
IterableDataset,
IterableDatasetDict,
LocalDatasetModuleFactory,
LocalEntryNotFoundError,
Mapping,
MetadataConfigs,
OfflineModeIsEnabled,
PackagedDatasetModuleFactory,
Path,
RepositoryNotFoundError,
RevisionNotFoundError,
Sequence,
Split,
StreamingDownloadManager,
VerificationMode,
Version
]
Functions
[
    cached_path,
    camelcase_to_snakecase,
    configure_builder_class,
    create_builder_configs_from_metadata_configs,
    dataclass,
    dataset_module_factory,
    field,
    get_data_patterns,
    get_dataset_builder_class,
    get_datasets_user_agent,
    get_logger,
    get_session,
    import_main_class,
    increase_load_count,
    infer_module_for_data_files,
    infer_module_for_data_files_list,
    infer_module_for_data_files_list_in_archives,
    is_relative_path,
    is_small_dataset,
    load_dataset,
    load_dataset_builder,
    load_from_disk,
    relative_to_absolute_path,
    sanitize_patterns,
    snakecase_to_camelcase,
    url_to_fs,
    xbasename,
    xglob,
    xjoin
]
Sentinels / Constants / Objects
[
    ALL_ALLOWED_EXTENSIONS,
    hf_dataset_url,
    logger,
    Optional,
    PathLike,
    Union
]
Import statements

```

```

from datasets.load import Any
from datasets.load import BuilderConfig
from datasets.load import BuilderConfigsParameters
from datasets.load import CachedDatasetModuleFactory
from datasets.load import Counter
from datasets.load import DataFilesDict
from datasets.load import DataFilesList
from datasets.load import DataFilesNotFoundError
from datasets.load import DataFilesPatternsDict
from datasets.load import Dataset
from datasets.load import DatasetBuilder
from datasets.load import DatasetCard
from datasets.load import DatasetCardData
from datasets.load import DatasetDict
from datasets.load import DatasetInfo
from datasets.load import DatasetInfosDict
from datasets.load import DatasetModule
from datasets.load import DatasetNotFoundError
from datasets.load import DownloadConfig
from datasets.load import DownloadMode
from datasets.load import EmptyDatasetError
from datasets.load import EntryNotFoundError
from datasets.load import Features
from datasets.load import FolderBasedBuilder
from datasets.load import GatedRepoError
from datasets.load import Hasher
from datasets.load import HfApi
from datasets.load import HubDatasetModuleFactory
from datasets.load import HubDatasetModuleFactoryWithParquetExport
from datasets.load import IterableDataset
from datasets.load import IterableDatasetDict
from datasets.load import LocalDatasetModuleFactory
from datasets.load import LocalEntryNotFoundError
from datasets.load import Mapping
from datasets.load import MetadataConfigs
from datasets.load import OfflineModeIsEnabled
from datasets.load import PackagedDatasetModuleFactory
from datasets.load import Path
from datasets.load import RepositoryNotFoundError
from datasets.load import RevisionNotFoundError
from datasets.load import Sequence
from datasets.load import Split
from datasets.load import StreamingDownloadManager
from datasets.load import VerificationMode
from datasets.load import Version

# Functions
from datasets.load import cached_path
from datasets.load import camelcase_to_snakecase
from datasets.load import configure_builder_class
from datasets.load import create_builder_configs_from_metadata_configs
from datasets.load import dataclass
from datasets.load import dataset_module_factory
from datasets.load import field
from datasets.load import get_data_patterns
from datasets.load import get_dataset_builder_class
from datasets.load import get_datasets_user_agent
from datasets.load import get_logger
from datasets.load import get_session
from datasets.load import import_main_class
from datasets.load import increase_load_count
from datasets.load import infer_module_for_data_files

```

```

from datasets.load import infer_module_for_data_files_list
from datasets.load import infer_module_for_data_files_list_in_archives
from datasets.load import is_relative_path
from datasets.load import is_small_dataset
from datasets.load import load_dataset
from datasets.load import load_dataset_builder
from datasets.load import load_from_disk
from datasets.load import relative_to_absolute_path
from datasets.load import sanitize_patterns
from datasets.load import snakecase_to_camelcase
from datasets.load import url_to_fs
from datasets.load import xbasename
from datasets.load import xglob
from datasets.load import xjoin

# Sentinels / Constants / Objects
from datasets.load import ALL_ALLOWED_EXTENSIONS
from datasets.load import hf_dataset_url
from datasets.load import logger
from datasets.load import Optional
from datasets.load import PathLike
from datasets.load import Union

```

datasets.naming

Classes

```
[ ]
```

Functions

```
[
```

```

    camelcase_to_snakecase,
    filename_prefix_for_name,
    filename_prefix_for_split,
    filenames_for_dataset_split,
    filepattern_for_dataset_split,
    snakecase_to_camelcase

```

```
]
```

Sentinels / Constants / Objects

```
[
```

```
    INVALID_WINDOWS_CHARACTERS_IN_PATH
```

```
]
```

Import statements

```
(none)
```

Functions

```

from datasets.naming import camelcase_to_snakecase
from datasets.naming import filename_prefix_for_name
from datasets.naming import filename_prefix_for_split
from datasets.naming import filenames_for_dataset_split
from datasets.naming import filepattern_for_dataset_split
from datasets.naming import snakecase_to_camelcase

```

Sentinels / Constants / Objects

```
from datasets.naming import INVALID_WINDOWS_CHARACTERS_IN_PATH
```

datasets.packaged_modules

Classes

```
[ ]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[
```

```

    Dict,
    List,
    Tuple
]
Import statements
(none)

# Functions
(none)

# Sentinels / Constants / Objects
from datasets.packaged_modules import Dict
from datasets.packaged_modules import List
from datasets.packaged_modules import Tuple

```

datasets.parallel

Classes

```

[
    ParallelBackendConfig
]

```

Functions

```

[
    parallel_backend,
    parallel_map
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from datasets.parallel import ParallelBackendConfig

# Functions
from datasets.parallel import parallel_backend
from datasets.parallel import parallel_map

# Sentinels / Constants / Objects
(none)

```

datasets.search

Classes

```

[
    BaseIndex,
    BatchedNearestExamplesResults,
    BatchedSearchResults,
    ElasticSearchIndex,
    FaissIndex,
    hf_tqdm,
    IndexableMixin,
    List,
    MissingIndex,
    NearestExamplesResults,
    PurePath,
    SearchResults
]

```

Functions

```

[
    NamedTuple
]

```

Sentinels / Constants / Objects

```

[
    logger,

```

```

    Optional,
    TYPE_CHECKING,
    Union
]
Import statements
from datasets.search import BaseIndex
from datasets.search import BatchedNearestExamplesResults
from datasets.search import BatchedSearchResults
from datasets.search import ElasticSearchIndex
from datasets.search import FaissIndex
from datasets.search import hf_tqdm
from datasets.search import IndexableMixin
from datasets.search import List
from datasets.search import MissingIndex
from datasets.search import NearestExamplesResults
from datasets.search import PurePath
from datasets.search import SearchResults

# Functions
from datasets.search import NamedTuple

# Sentinels / Constants / Objects
from datasets.search import logger
from datasets.search import Optional
from datasets.search import TYPE_CHECKING
from datasets.search import Union

```

datasets.splits

Classes

```

[
    FileInstructions,
    NamedSplit,
    NamedSplitAll,
    NonMutableDict,
    percent,
    PercentSlice,
    PercentSliceMeta,
    SlicedSplitInfo,
    Split,
    SplitBase,
    SplitDict,
    SplitGenerator,
    SplitInfo,
    SplitReadInstruction,
    SubSplitInfo
]

```

Functions

```

[
    asdict,
    dataclass,
    make_file_instructions
]

```

Sentinels / Constants / Objects

```

[
    Optional,
    Union
]

```

Import statements

```

from datasets.splits import FileInstructions
from datasets.splits import NamedSplit
from datasets.splits import NamedSplitAll

```

```

from datasets.splits import NonMutableDict
from datasets.splits import percent
from datasets.splits import PercentSlice
from datasets.splits import PercentSliceMeta
from datasets.splits import SlicedSplitInfo
from datasets.splits import Split
from datasets.splits import SplitBase
from datasets.splits import SplitDict
from datasets.splits import SplitGenerator
from datasets.splits import SplitInfo
from datasets.splits import SplitReadInstruction
from datasets.splits import SubSplitInfo

# Functions
from datasets.splits import asdict
from datasets.splits import dataclass
from datasets.splits import make_file_instructions

# Sentinels / Constants / Objects
from datasets.splits import Optional
from datasets.splits import Union

```

datasets.streaming

Classes

```

[
    DownloadConfig,
    patch_submodule,
    xPath
]

```

Functions

```

[
    extend_dataset_builder_for_streaming,
    extend_module_for_streaming,
    get_logger,
    wraps,
    xbasename,
    xdirname,
    xet_parse,
    xexists,
    xgetsize,
    xglob,
    xgzip_open,
    xisdir,
    xisfile,
    xjoin,
    xlistdir,
    xnumpy_load,
    xopen,
    xpandas_read_csv,
    xpandas_read_excel,
    xpyarrow_parquet_read_table,
    xrelpath,
    xsio_loadmat,
    xsplit,
    xsplitext,
    xwalk,
    lxml_dom_minidom_parse
]

```

Sentinels / Constants / Objects

```

[
    logger,

```

```

    Optional,
    TYPE_CHECKING
]
Import statements
from datasets.streaming import DownloadConfig
from datasets.streaming import patch_submodule
from datasets.streaming import xPath

# Functions
from datasets.streaming import extend_dataset_builder_for_streaming
from datasets.streaming import extend_module_for_streaming
from datasets.streaming import get_logger
from datasets.streaming import wraps
from datasets.streaming import xbasename
from datasets.streaming import xdirname
from datasets.streaming import xet_parse
from datasets.streaming import xexists
from datasets.streaming import xgetsize
from datasets.streaming import xglob
from datasets.streaming import xgzip_open
from datasets.streaming import xisdir
from datasets.streaming import xisfile
from datasets.streaming import xjoin
from datasets.streaming import xlistdir
from datasets.streaming import xnumpy_load
from datasets.streaming import xopen
from datasets.streaming import xpandas_read_csv
from datasets.streaming import xpandas_read_excel
from datasets.streaming import xpyarrow_parquet_read_table
from datasets.streaming import xrelpath
from datasets.streaming import xsio_loadmat
from datasets.streaming import xsplit
from datasets.streaming import xsplitext
from datasets.streaming import xwalk
from datasets.streaming import xxml_dom_minidom_parse

# Sentinels / Constants / Objects
from datasets.streaming import logger
from datasets.streaming import Optional
from datasets.streaming import TYPE_CHECKING

```

datasets.table

Classes

```

[
    Any,
    CastError,
    ConcatenationTable,
    groupby,
    IndexedTableMixin,
    InMemoryTable,
    Iterator,
    MemoryMappedTable,
    partial,
    Table,
    TableBlock,
    TypeVar
]

```

Functions

```

[
    array_cast,
    cast_array_to_feature,

```

```

cast_table_to_features,
cast_table_to_schema,
concat_tables,
embed_array_storage,
embed_table_storage,
get_logger,
inject_arrow_table_documentation,
list_table_cache_files,
read_schema_from_file,
table_cast,
table_flatten,
table_iter,
table_visitor
]

```

Sentinels / Constants / Objects

```

[
    Callable,
    logger,
    Optional,
    Replay,
    TableBlockContainer,
    TYPE_CHECKING,
    Union
]

```

Import statements

```

from datasets.table import Any
from datasets.table import CastError
from datasets.table import ConcatenationTable
from datasets.table import groupby
from datasets.table import IndexedTableMixin
from datasets.table import InMemoryTable
from datasets.table import Iterator
from datasets.table import MemoryMappedTable
from datasets.table import partial
from datasets.table import Table
from datasets.table import TableBlock
from datasets.table import TypeVar

```

Functions

```

from datasets.table import array_cast
from datasets.table import cast_array_to_feature
from datasets.table import cast_table_to_features
from datasets.table import cast_table_to_schema
from datasets.table import concat_tables
from datasets.table import embed_array_storage
from datasets.table import embed_table_storage
from datasets.table import get_logger
from datasets.table import inject_arrow_table_documentation
from datasets.table import list_table_cache_files
from datasets.table import read_schema_from_file
from datasets.table import table_cast
from datasets.table import table_flatten
from datasets.table import table_iter
from datasets.table import table_visitor

```

Sentinels / Constants / Objects

```

from datasets.table import Callable
from datasets.table import logger
from datasets.table import Optional
from datasets.table import Replay
from datasets.table import TableBlockContainer
from datasets.table import TYPE_CHECKING

```



```
from datasets.table import Union
```

datasets.utils

Classes

```
[
    tqdm,
    VerificationMode,
    Version
]
```

Functions

```
[
    are_progressBars_disabled,
    disable_progress_bar,
    disable_progressBars,
    enable_progress_bar,
    enable_progressBars,
    experimental,
    is_progress_bar_enabled
]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from datasets.utils import tqdm
from datasets.utils import VerificationMode
from datasets.utils import Version

# Functions
from datasets.utils import are_progressBars_disabled
from datasets.utils import disable_progress_bar
from datasets.utils import disable_progressBars
from datasets.utils import enable_progress_bar
from datasets.utils import enable_progressBars
from datasets.utils import experimental
from datasets.utils import is_progress_bar_enabled

# Sentinels / Constants / Objects
(none)
```

Distribution: diffusers

Total public modules: 20

diffusers

Classes

[

AdaptiveProjectedGuidance,
AllegroPipeline,
AllegroTransformer3DModel,
AltDiffusionImg2ImgPipeline,
AltDiffusionPipeline,
AmusedImg2ImgPipeline,
AmusedInpaintPipeline,
AmusedPipeline,
AmusedScheduler,
AnimateDiffControlNetPipeline,
AnimateDiffPAGPipeline,
AnimateDiffPipeline,
AnimateDiffSDXLPipeline,
AnimateDiffSparseControlNetPipeline,
AnimateDiffVideoToVideoControlNetPipeline,
AnimateDiffVideoToVideoPipeline,
AsymmetricAutoencoderKL,
AttentionBackendName,
AudioDiffusionPipeline,
AudioLDM2Pipeline,
AudioLDM2ProjectionModel,
AudioLDM2UNet2DConditionModel,
AudioLMPipeline,
AudioPipelineOutput,
AuraFlowPipeline,
AuraFlowTransformer2DModel,
AutoencoderDC,
AutoencoderKL,
AutoencoderKLAllegro,
AutoencoderKLCogVideoX,
AutoencoderKLCosmos,
AutoencoderKLGyrfaxVideo,
AutoencoderKLLTXVideo,
AutoencoderKLMagvit,
AutoencoderKLMochi,
AutoencoderKLQwenImage,
AutoencoderKLTemporalDecoder,
AutoencoderKLWan,
AutoencoderOobleck,
AutoencoderTiny,
AutoGuidance,
AutoModel,
AutoPipelineForImage2Image,
AutoPipelineForInpainting,
AutoPipelineForText2Image,
BitsAndBytesConfig,
BlipDiffusionControlNetPipeline,
BlipDiffusionPipeline,
CacheMixin,
ChromaImg2ImgPipeline,
ChromaPipeline,
ChromaTransformer2DModel,
ClassifierFreeGuidance,
ClassifierFreeZeroStarGuidance,

CLIPImageProjection,
CMStochasticIterativeScheduler,
CogVideoXDDIMScheduler,
CogVideoXDPMScheduler,
CogVideoXFunControlPipeline,
CogVideoXImageToVideoPipeline,
CogVideoXPipeline,
CogVideoXTransformer3DModel,
CogVideoXVideoToVideoPipeline,
CogView3PlusPipeline,
CogView3PlusTransformer2DModel,
CogView4ControlPipeline,
CogView4Pipeline,
CogView4Transformer2DModel,
ComponentsManager,
ComponentSpec,
ConfigMixin,
ConsisIDPipeline,
ConsisIDPipeline,
ConsisIDTransformer3DModel,
ConsistencyDecoderVAE,
ConsistencyModelPipeline,
ControlNetModel,
ControlNetUnionModel,
ControlNetXSAdapter,
CosineDPMSolverMultistepScheduler,
Cosmos2TextToImagePipeline,
Cosmos2VideoToWorldPipeline,
CosmosTextToWorldPipeline,
CosmosTransformer3DModel,
CosmosVideoToWorldPipeline,
CycleDiffusionPipeline,
DanceDiffusionPipeline,
DDIMInverseScheduler,
DDIMParallelScheduler,
DDIMPipeline,
DDIMScheduler,
DDPMPParallelScheduler,
DDPMPipeline,
DDPMScheduler,
DDPMWuerstchenScheduler,
DEISMultistepScheduler,
DiffusersQuantizer,
DiffusionPipeline,
DiTPipeline,
DiTTransformer2DModel,
DPMSolverMultistepInverseScheduler,
DPMSolverMultistepScheduler,
DPMSolverSDEScheduler,
DPMSolverSinglestepScheduler,
DummyObject,
DummyObject,
DummyObject,
DummyObject,
DummyObject,
DummyObject,
EasyAnimateControlPipeline,
EasyAnimateInpaintPipeline,
EasyAnimatePipeline,
EasyAnimateTransformer3DModel,
EDMDPMSolverMultistepScheduler,
EDMEulerScheduler,

EMAModel,
EulerAncestralDiscreteScheduler,
EulerDiscreteScheduler,
FasterCacheConfig,
FirstBlockCacheConfig,
FlaxAutoencoderKL,
FlaxControlNetModel,
FlaxDDIMScheduler,
FlaxDDPMScheduler,
FlaxDiffusionPipeline,
FlaxDPMSolverMultistepScheduler,
FlaxEulerDiscreteScheduler,
FlaxKarrasVeScheduler,
FlaxLMSDiscreteScheduler,
FlaxModelMixin,
FlaxPNDMScheduler,
FlaxSchedulerMixin,
FlaxScoreSdeVeScheduler,
FlaxStableDiffusionControlNetPipeline,
FlaxStableDiffusionImg2ImgPipeline,
FlaxStableDiffusionInpaintPipeline,
FlaxStableDiffusionPipeline,
FlaxStableDiffusionXLPipeline,
FlaxUNet2DConditionModel,
FlowMatchEulerDiscreteScheduler,
FlowMatchHeunDiscreteScheduler,
FlowMatchLCMScheduler,
FluxAutoBlocks,
FluxControlImg2ImgPipeline,
FluxControlInpaintPipeline,
FluxControlNetImg2ImgPipeline,
FluxControlNetInpaintPipeline,
FluxControlNetModel,
FluxControlNetPipeline,
FluxControlPipeline,
FluxFillPipeline,
FluxImg2ImgPipeline,
FluxInpaintPipeline,
FluxKontextInpaintPipeline,
FluxKontextPipeline,
FluxModularPipeline,
FluxMultiControlNetModel,
FluxPipeline,
FluxPriorReduxPipeline,
FluxTransformer2DModel,
FrequencyDecoupledGuidance,
FromOriginalModelMixin,
GGUFQuantizationConfig,
HeunDiscreteScheduler,
HiDreamImagePipeline,
HiDreamImageTransformer2DModel,
HookRegistry,
HunyuanDiT2DControlNetModel,
HunyuanDiT2DModel,
HunyuanDiT2DMultiControlNetModel,
HunyuanDiTControlNetPipeline,
HunyuanDiTPAGPipeline,
HunyuanDiTPipeline,
HunyuanSkyreelsImageToVideoPipeline,
HunyuanVideoFramepackPipeline,
HunyuanVideoFramepackTransformer3DModel,
HunyuanVideoImageToVideoPipeline,

HunyuanVideoPipeline,
HunyuanVideoTransformer3DModel,
I2VGenXLPipeline,
I2VGenXLUNet,
IFImg2ImgPipeline,
IFImg2ImgSuperResolutionPipeline,
IFInpaintingPipeline,
IFInpaintingSuperResolutionPipeline,
IFPipeline,
IFSuperResolutionPipeline,
ImagePipelineOutput,
ImageTextPipelineOutput,
IPNDMScheduler,
Kandinsky3Img2ImgPipeline,
Kandinsky3Pipeline,
Kandinsky3UNet,
KandinskyCombinedPipeline,
KandinskyImg2ImgCombinedPipeline,
KandinskyImg2ImgPipeline,
KandinskyInpaintCombinedPipeline,
KandinskyInpaintPipeline,
KandinskyPipeline,
KandinskyPriorPipeline,
KandinskyV22CombinedPipeline,
KandinskyV22ControlnetImg2ImgPipeline,
KandinskyV22ControlnetPipeline,
KandinskyV22Img2ImgCombinedPipeline,
KandinskyV22Img2ImgPipeline,
KandinskyV22InpaintCombinedPipeline,
KandinskyV22InpaintPipeline,
KandinskyV22Pipeline,
KandinskyV22PriorEmb2EmbPipeline,
KandinskyV22PriorPipeline,
KarrasVePipeline,
KarrasVeScheduler,
KDPM2AncestralDiscreteScheduler,
KDPM2DiscreteScheduler,
KoloursImg2ImgPipeline,
KoloursPAGPipeline,
KoloursPipeline,
LatentConsistencyModelImg2ImgPipeline,
LatentConsistencyModelPipeline,
LattePipeline,
LatteTransformer3DModel,
LayerSkipConfig,
LCMScheduler,
LDMPipeline,
LDMSuperResolutionPipeline,
LDMTextToImagePipeline,
LEditsPPPPipelineStableDiffusion,
LEditsPPPPipelineStableDiffusionXL,
LMSDiscreteScheduler,
LTXConditionPipeline,
LTXImageToVideoPipeline,
LTXLatentUpsamplePipeline,
LTXPipeline,
LTXVideoTransformer3DModel,
Lumina2Pipeline,
Lumina2Text2ImgPipeline,
Lumina2Transformer2DModel,
LuminaNextDiT2DModel,
LuminaPipeline,

LuminaText2ImgPipeline,
MarigoldDepthPipeline,
MarigoldIntrinsicsPipeline,
MarigoldNormalsPipeline,
Mel,
MidiProcessor,
MochiPipeline,
MochiTransformer3DModel,
ModelMixin,
ModularPipeline,
ModularPipelineBlocks,
MotionAdapter,
MultiAdapter,
MultiControlNetModel,
MusicLDMPipeline,
OmniGenPipeline,
OmniGenTransformer2DModel,
OnnxRuntimeModel,
OnnxStableDiffusionImg2ImgPipeline,
OnnxStableDiffusionInpaintPipeline,
OnnxStableDiffusionInpaintPipelineLegacy,
OnnxStableDiffusionPipeline,
OnnxStableDiffusionUpscalePipeline,
OptionalDependencyNotAvailable,
PaintByExamplePipeline,
PerturbedAttentionGuidance,
PIAPipeline,
PipelineQuantizationConfig,
PixArtAlphaPipeline,
PixArtSigmaPAGPipeline,
PixArtSigmaPipeline,
PixArtTransformer2DModel,
PNDMPipeline,
PNDMScheduler,
PriorTransformer,
PyramidAttentionBroadcastConfig,
QuantoConfig,
QwenImageEditPipeline,
QwenImageImg2ImgPipeline,
QwenImageInpaintPipeline,
QwenImagePipeline,
QwenImageTransformer2DModel,
ReduxImageEncoder,
RePaintPipeline,
RePaintScheduler,
SanaControlNetModel,
SanaControlNetPipeline,
SanaPAGPipeline,
SanaPipeline,
SanaSprintImg2ImgPipeline,
SanaSprintPipeline,
SanaTransformer2DModel,
SASolverScheduler,
SchedulerMixin,
SCMScheduler,
ScoreSdeVePipeline,
ScoreSdeVeScheduler,
SD3ControlNetModel,
SD3MultiControlNetModel,
SD3Transformer2DModel,
SemanticStableDiffusionPipeline,
ShapEImg2ImgPipeline,

ShapEPipeline,
SkipLayerGuidance,
SkyReelsV2ImageToVideoPipeline,
SkyReelsV2Pipeline,
SkyReelsV2Transformer3DModel,
SmoothedEnergyGuidance,
SmoothedEnergyGuidanceConfig,
SparseControlNetModel,
SpectrogramDiffusionPipeline,
StableAudioDiTModel,
StableAudioPipeline,
StableAudioProjectionModel,
StableCascadeCombinedPipeline,
StableCascadeDecoderPipeline,
StableCascadePriorPipeline,
StableCascadeUNet,
StableDiffusion3ControlNetInpaintingPipeline,
StableDiffusion3ControlNetPipeline,
StableDiffusion3Img2ImgPipeline,
StableDiffusion3InpaintPipeline,
StableDiffusion3PAGImg2ImgPipeline,
StableDiffusion3PAGImg2ImgPipeline,
StableDiffusion3PAGPipeline,
StableDiffusion3Pipeline,
StableDiffusionAdapterPipeline,
StableDiffusionAttendAndExcitePipeline,
StableDiffusionControlNetImg2ImgPipeline,
StableDiffusionControlNetInpaintPipeline,
StableDiffusionControlNetPAGInpaintPipeline,
StableDiffusionControlNetPAGPipeline,
StableDiffusionControlNetPipeline,
StableDiffusionControlNetXSPPipeline,
StableDiffusionDepth2ImgPipeline,
StableDiffusionDiffEditPipeline,
StableDiffusionGLIGENPipeline,
StableDiffusionGLIGENTextImagePipeline,
StableDiffusionImageVariationPipeline,
StableDiffusionImg2ImgPipeline,
StableDiffusionInpaintPipeline,
StableDiffusionInpaintPipelineLegacy,
StableDiffusionInstructPix2PixPipeline,
StableDiffusionKDiffusionPipeline,
StableDiffusionLatentUpscalePipeline,
StableDiffusionLDM3DPipeline,
StableDiffusionMixin,
StableDiffusionModelEditingPipeline,
StableDiffusionOnnxPipeline,
StableDiffusionPAGImg2ImgPipeline,
StableDiffusionPAGInpaintPipeline,
StableDiffusionPAGPipeline,
StableDiffusionPanoramaPipeline,
StableDiffusionParadigmsPipeline,
StableDiffusionPipeline,
StableDiffusionPipelineSafe,
StableDiffusionPix2PixZeroPipeline,
StableDiffusionSAGPipeline,
StableDiffusionUpscalePipeline,
StableDiffusionXLAdapterPipeline,
StableDiffusionXLAutoBlocks,
StableDiffusionXLControlNetImg2ImgPipeline,
StableDiffusionXLControlNetInpaintPipeline,
StableDiffusionXLControlNetPAGImg2ImgPipeline,

StableDiffusionXLControlNetPAGPipeline,
StableDiffusionXLControlNetPipeline,
StableDiffusionXLControlNetUnionImg2ImgPipeline,
StableDiffusionXLControlNetUnionInpaintPipeline,
StableDiffusionXLControlNetUnionPipeline,
StableDiffusionXLControlNetXSPipeline,
StableDiffusionXLImg2ImgPipeline,
StableDiffusionXLInpaintPipeline,
StableDiffusionXLInstructPix2PixPipeline,
StableDiffusionXLKDiffusionPipeline,
StableDiffusionXLModularPipeline,
StableDiffusionXLPAGImg2ImgPipeline,
StableDiffusionXLPAGInpaintPipeline,
StableDiffusionXLPAGPipeline,
StableDiffusionXLPipeline,
StableUnCLIPImg2ImgPipeline,
StableUnCLIPPipeline,
StableVideoDiffusionPipeline,
T2IAdapter,
T5FilmDecoder,
TangentialClassifierFreeGuidance,
TCDScheduler,
TextToVideoSDPipeline,
TextToVideoZeroPipeline,
TextToVideoZeroSDXLPipeline,
TorchAoConfig,
Transformer2DModel,
TransformerTemporalModel,
UnCLIPImageVariationPipeline,
UnCLIPPipeline,
UnCLIPScheduler,
UNet1DModel,
UNet2DConditionModel,
UNet2DModel,
UNet3DConditionModel,
UNetControlNetXSModel,
UNetMotionModel,
UNetSpatioTemporalConditionModel,
UniDiffuserModel,
UniDiffuserPipeline,
UniDiffuserTextDecoder,
UniPCMultistepScheduler,
UVit2DModel,
VersatileDiffusionDualGuidedPipeline,
VersatileDiffusionImageVariationPipeline,
VersatileDiffusionPipeline,
VersatileDiffusionTextToImagePipeline,
VideoToVideoSDPipeline,
VisualClozeGenerationPipeline,
VisualClozePipeline,
VQDiffusionPipeline,
VQDiffusionScheduler,
VQModel,
WanAutoBlocks,
WanImageToVideoPipeline,
WanModularPipeline,
WanPipeline,
WanTransformer3DModel,
WanVACEPipeline,
WanVACETransformer3DModel,
WanVideoToVideoPipeline,
WuerstchenCombinedPipeline,


```
WuerstchenDecoderPipeline,  
WuerstchenPriorPipeline
```

```
]
```

Functions

```
[
```

```
    apply_faster_cache,  
    apply_first_block_cache,  
    apply_layer_skip,  
    apply_pyramid_attention_broadcast,  
    attention_backend,  
    get_constant_schedule,  
    get_constant_schedule_with_warmup,  
    get_cosine_schedule_with_warmup,  
    get_cosine_with_hard_restarts_schedule_with_warmup,  
    get_linear_schedule_with_warmup,  
    get_polynomial_decay_schedule_with_warmup,  
    get_scheduler,  
    is_flax_available,  
    is_inflect_available,  
    is_invisible_watermark_available,  
    is_k_diffusion_available,  
    is_k_diffusion_version,  
    is_librosa_available,  
    is_note_seq_available,  
    is_onnx_available,  
    is_scipy_available,  
    is_torch_available,  
    is_torchsde_available,  
    is_transformers_available,  
    is_transformers_version,  
    is_unidecode_available,  
    requires_backends,  
    requires_backends,  
    requires_backends,  
    requires_backends,  
    requires_backends,  
    requires_backends
```

```
]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from diffusers import AdaptiveProjectedGuidance  
from diffusers import AllegroPipeline  
from diffusers import AllegroTransformer3DModel  
from diffusers import AltDiffusionImg2ImgPipeline  
from diffusers import AltDiffusionPipeline  
from diffusers import AmusedImg2ImgPipeline  
from diffusers import AmusedInpaintPipeline  
from diffusers import AmusedPipeline  
from diffusers import AmusedScheduler  
from diffusers import AnimateDiffControlNetPipeline  
from diffusers import AnimateDiffPAGPipeline  
from diffusers import AnimateDiffPipeline  
from diffusers import AnimateDiffSDXLPipeline  
from diffusers import AnimateDiffSparseControlNetPipeline  
from diffusers import AnimateDiffVideoToVideoControlNetPipeline  
from diffusers import AnimateDiffVideoToVideoPipeline  
from diffusers import AsymmetricAutoencoderKL  
from diffusers import AttentionBackendName  
from diffusers import AudioDiffusionPipeline  
from diffusers import AudioLDM2Pipeline  
from diffusers import AudioLDM2ProjectionModel
```

```
from diffusers import AudioLDM2UNet2DConditionModel
from diffusers import AudioLMPipeline
from diffusers import AudioPipelineOutput
from diffusers import AuraFlowPipeline
from diffusers import AuraFlowTransformer2DModel
from diffusers import AutoencoderDC
from diffusers import AutoencoderKL
from diffusers import AutoencoderKLAllegro
from diffusers import AutoencoderKLCogVideoX
from diffusers import AutoencoderKLCosmos
from diffusers import AutoencoderKLGyrfax
from diffusers import AutoencoderKLLTXVideo
from diffusers import AutoencoderKLMagvit
from diffusers import AutoencoderKLMochi
from diffusers import AutoencoderKLQwenImage
from diffusers import AutoencoderKLTemporalDecoder
from diffusers import AutoencoderKLWan
from diffusers import AutoencoderOobleck
from diffusers import AutoencoderTiny
from diffusers import AutoGuidance
from diffusers import AutoModel
from diffusers import AutoPipelineForImage2Image
from diffusers import AutoPipelineForInpainting
from diffusers import AutoPipelineForText2Image
from diffusers import BitsAndBytesConfig
from diffusers import BlipDiffusionControlNetPipeline
from diffusers import BlipDiffusionPipeline
from diffusers import CacheMixin
from diffusers import ChromaImg2ImgPipeline
from diffusers import ChromaPipeline
from diffusers import ChromaTransformer2DModel
from diffusers import ClassifierFreeGuidance
from diffusers import ClassifierFreeZeroStarGuidance
from diffusers import CLIPImageProjection
from diffusers import CMStochasticIterativeScheduler
from diffusers import CogVideoXDDIMScheduler
from diffusers import CogVideoXDPMSScheduler
from diffusers import CogVideoXFunControlPipeline
from diffusers import CogVideoXImageToVideoPipeline
from diffusers import CogVideoXPipeline
from diffusers import CogVideoXTransformer3DModel
from diffusers import CogVideoXVideoToVideoPipeline
from diffusers import CogView3PlusPipeline
from diffusers import CogView3PlusTransformer2DModel
from diffusers import CogView4ControlPipeline
from diffusers import CogView4Pipeline
from diffusers import CogView4Transformer2DModel
from diffusers import ComponentsManager
from diffusers import ComponentSpec
from diffusers import ConfigMixin
from diffusers import ConsisIDPipeline
from diffusers import ConsisIDPipeline
from diffusers import ConsisIDTransformer3DModel
from diffusers import ConsistencyDecoderVAE
from diffusers import ConsistencyModelPipeline
from diffusers import ControlNetModel
from diffusers import ControlNetUnionModel
from diffusers import ControlNetXSAdapter
from diffusers import CosineDPMSolverMultistepScheduler
from diffusers import Cosmos2TextToImagePipeline
from diffusers import Cosmos2VideoToWorldPipeline
from diffusers import CosmosTextToWorldPipeline
```

```
from diffusers import CosmosTransformer3DModel
from diffusers import CosmosVideoToWorldPipeline
from diffusers import CycleDiffusionPipeline
from diffusers import DanceDiffusionPipeline
from diffusers import DDIMInverseScheduler
from diffusers import DDIMParallelScheduler
from diffusers import DDIMPipeline
from diffusers import DDIMScheduler
from diffusers import DDPMPParallelScheduler
from diffusers import DDPMPipeline
from diffusers import DDPMScheduler
from diffusers import DDPMWuerstchenScheduler
from diffusers import DEISMultistepScheduler
from diffusers import DiffusersQuantizer
from diffusers import DiffusionPipeline
from diffusers import DiTPipeline
from diffusers import DiTTransformer2DModel
from diffusers import DPMSolverMultistepInverseScheduler
from diffusers import DPMSolverMultistepScheduler
from diffusers import DPMSolverSDEScheduler
from diffusers import DPMSolverSinglestepScheduler
from diffusers import DummyObject
from diffusers import DummyObject
from diffusers import DummyObject
from diffusers import DummyObject
from diffusers import DummyObject
from diffusers import DummyObject
from diffusers import EasyAnimateControlPipeline
from diffusers import EasyAnimateInpaintPipeline
from diffusers import EasyAnimatePipeline
from diffusers import EasyAnimateTransformer3DModel
from diffusers import EDMDPMSolverMultistepScheduler
from diffusers import EDMEulerScheduler
from diffusers import EMAModel
from diffusers import EulerAncestralDiscreteScheduler
from diffusers import EulerDiscreteScheduler
from diffusers import FasterCacheConfig
from diffusers import FirstBlockCacheConfig
from diffusers import FlaxAutoencoderKL
from diffusers import FlaxControlNetModel
from diffusers import FlaxDDIMScheduler
from diffusers import FlaxDDPMScheduler
from diffusers import FlaxDiffusionPipeline
from diffusers import FlaxDPMSolverMultistepScheduler
from diffusers import FlaxEulerDiscreteScheduler
from diffusers import FlaxKarrasVeScheduler
from diffusers import FlaxLMSDiscreteScheduler
from diffusers import FlaxModelMixin
from diffusers import FlaxPNDScheduler
from diffusers import FlaxSchedulerMixin
from diffusers import FlaxScoreSdeVeScheduler
from diffusers import FlaxStableDiffusionControlNetPipeline
from diffusers import FlaxStableDiffusionImg2ImgPipeline
from diffusers import FlaxStableDiffusionInpaintPipeline
from diffusers import FlaxStableDiffusionPipeline
from diffusers import FlaxStableDiffusionXLPipeline
from diffusers import FlaxUNet2DConditionModel
from diffusers import FlowMatchEulerDiscreteScheduler
from diffusers import FlowMatchHeunDiscreteScheduler
from diffusers import FlowMatchLCMScheduler
from diffusers import FluxAutoBlocks
from diffusers import FluxControlImg2ImgPipeline
```

```
from diffusers import FluxControlInpaintPipeline
from diffusers import FluxControlNetImg2ImgPipeline
from diffusers import FluxControlNetInpaintPipeline
from diffusers import FluxControlNetModel
from diffusers import FluxControlNetPipeline
from diffusers import FluxControlPipeline
from diffusers import FluxFillPipeline
from diffusers import FluxImg2ImgPipeline
from diffusers import FluxInpaintPipeline
from diffusers import FluxKontextInpaintPipeline
from diffusers import FluxKontextPipeline
from diffusers import FluxModularPipeline
from diffusers import FluxMultiControlNetModel
from diffusers import FluxPipeline
from diffusers import FluxPriorReduxPipeline
from diffusers import FluxTransformer2DModel
from diffusers import FrequencyDecoupledGuidance
from diffusers import FromOriginalModelMixin
from diffusers import GGUFQuantizationConfig
from diffusers import HeunDiscreteScheduler
from diffusers import HiDreamImagePipeline
from diffusers import HiDreamImageTransformer2DModel
from diffusers import HookRegistry
from diffusers import HunyuanDiT2DControlNetModel
from diffusers import HunyuanDiT2DModel
from diffusers import HunyuanDiT2DMultiControlNetModel
from diffusers import HunyuanDiTControlNetPipeline
from diffusers import HunyuanDiTPAGPipeline
from diffusers import HunyuanDiTPipeline
from diffusers import HunyuanSkyreelsImageToVideoPipeline
from diffusers import HunyuanVideoFramepackPipeline
from diffusers import HunyuanVideoFramepackTransformer3DModel
from diffusers import HunyuanVideoImageToVideoPipeline
from diffusers import HunyuanVideoPipeline
from diffusers import HunyuanVideoTransformer3DModel
from diffusers import I2VGenXLPipeline
from diffusers import I2VGenXLUNet
from diffusers import IFImg2ImgPipeline
from diffusers import IFImg2ImgSuperResolutionPipeline
from diffusers import IFInpaintingPipeline
from diffusers import IFInpaintingSuperResolutionPipeline
from diffusers import IFPipeline
from diffusers import IFSuperResolutionPipeline
from diffusers import ImagePipelineOutput
from diffusers import ImageTextPipelineOutput
from diffusers import IPNDMScheduler
from diffusers import Kandinsky3Img2ImgPipeline
from diffusers import Kandinsky3Pipeline
from diffusers import Kandinsky3UNet
from diffusers import KandinskyCombinedPipeline
from diffusers import KandinskyImg2ImgCombinedPipeline
from diffusers import KandinskyImg2ImgPipeline
from diffusers import KandinskyInpaintCombinedPipeline
from diffusers import KandinskyInpaintPipeline
from diffusers import KandinskyPipeline
from diffusers import KandinskyPriorPipeline
from diffusers import KandinskyV22CombinedPipeline
from diffusers import KandinskyV22ControlnetImg2ImgPipeline
from diffusers import KandinskyV22ControlnetPipeline
from diffusers import KandinskyV22Img2ImgCombinedPipeline
from diffusers import KandinskyV22Img2ImgPipeline
from diffusers import KandinskyV22InpaintCombinedPipeline
```

```
from diffusers import KandinskyV22InpaintPipeline
from diffusers import KandinskyV22Pipeline
from diffusers import KandinskyV22PriorEmb2EmbPipeline
from diffusers import KandinskyV22PriorPipeline
from diffusers import KarrasVePipeline
from diffusers import KarrasVeScheduler
from diffusers import KDPM2AncestralDiscreteScheduler
from diffusers import KDPM2DiscreteScheduler
from diffusers import KolorsImg2ImgPipeline
from diffusers import KolorsPAGPipeline
from diffusers import KolorsPipeline
from diffusers import LatentConsistencyModelImg2ImgPipeline
from diffusers import LatentConsistencyModelPipeline
from diffusers import LattePipeline
from diffusers import LatteTransformer3DModel
from diffusers import LayerSkipConfig
from diffusers import LCMScheduler
from diffusers import LDMPipeline
from diffusers import LDMSuperResolutionPipeline
from diffusers import LDMTextToImagePipeline
from diffusers import LEditsPPPipelineStableDiffusion
from diffusers import LEditsPPPipelineStableDiffusionXL
from diffusers import LMSDiscreteScheduler
from diffusers import LTXConditionPipeline
from diffusers import LTXImageToVideoPipeline
from diffusers import LTXLatentUpsamplePipeline
from diffusers import LTXPipeline
from diffusers import LTXVideoTransformer3DModel
from diffusers import Lumina2Pipeline
from diffusers import Lumina2Text2ImgPipeline
from diffusers import Lumina2Transformer2DModel
from diffusers import LuminaNextDiT2DModel
from diffusers import LuminaPipeline
from diffusers import LuminaText2ImgPipeline
from diffusers import MarigoldDepthPipeline
from diffusers import MarigoldIntrinsicsPipeline
from diffusers import MarigoldNormalsPipeline
from diffusers import Mel
from diffusers import MidiProcessor
from diffusers import MochiPipeline
from diffusers import MochiTransformer3DModel
from diffusers import ModelMixin
from diffusers import ModularPipeline
from diffusers import ModularPipelineBlocks
from diffusers import MotionAdapter
from diffusers import MultiAdapter
from diffusers import MultiControlNetModel
from diffusers import MusicLDMPipeline
from diffusers import OmniGenPipeline
from diffusers import OmniGenTransformer2DModel
from diffusers import OnnxRuntimeModel
from diffusers import OnnxStableDiffusionImg2ImgPipeline
from diffusers import OnnxStableDiffusionInpaintPipeline
from diffusers import OnnxStableDiffusionInpaintPipelineLegacy
from diffusers import OnnxStableDiffusionPipeline
from diffusers import OnnxStableDiffusionUpscalePipeline
from diffusers import OptionalDependencyNotAvailable
from diffusers import PaintByExamplePipeline
from diffusers import PerturbedAttentionGuidance
from diffusers import PIAPipeline
from diffusers import PipelineQuantizationConfig
from diffusers import PixArtAlphaPipeline
```

```
from diffusers import PixArtSigmaPAGPipeline
from diffusers import PixArtSigmaPipeline
from diffusers import PixArtTransformer2DModel
from diffusers import PNDMPipeline
from diffusers import PNDMScheduler
from diffusers import PriorTransformer
from diffusers import PyramidAttentionBroadcastConfig
from diffusers import QuantoConfig
from diffusers import QwenImageEditPipeline
from diffusers import QwenImageImg2ImgPipeline
from diffusers import QwenImageInpaintPipeline
from diffusers import QwenImagePipeline
from diffusers import QwenImageTransformer2DModel
from diffusers import ReduxImageEncoder
from diffusers import RePaintPipeline
from diffusers import RePaintScheduler
from diffusers import SanaControlNetModel
from diffusers import SanaControlNetPipeline
from diffusers import SanaPAGPipeline
from diffusers import SanaPipeline
from diffusers import SanaSprintImg2ImgPipeline
from diffusers import SanaSprintPipeline
from diffusers import SanaTransformer2DModel
from diffusers import SASolverScheduler
from diffusers import SchedulerMixin
from diffusers import SCMScheduler
from diffusers import ScoreSdeVePipeline
from diffusers import ScoreSdeVeScheduler
from diffusers import SD3ControlNetModel
from diffusers import SD3MultiControlNetModel
from diffusers import SD3Transformer2DModel
from diffusers import SemanticStableDiffusionPipeline
from diffusers import ShapEIImg2ImgPipeline
from diffusers import ShapEPipeline
from diffusers import SkipLayerGuidance
from diffusers import SkyReelsV2ImageToVideoPipeline
from diffusers import SkyReelsV2Pipeline
from diffusers import SkyReelsV2Transformer3DModel
from diffusers import SmoothedEnergyGuidance
from diffusers import SmoothedEnergyGuidanceConfig
from diffusers import SparseControlNetModel
from diffusers import SpectrogramDiffusionPipeline
from diffusers import StableAudioDiTModel
from diffusers import StableAudioPipeline
from diffusers import StableAudioProjectionModel
from diffusers import StableCascadeCombinedPipeline
from diffusers import StableCascadeDecoderPipeline
from diffusers import StableCascadePriorPipeline
from diffusers import StableCascadeUNet
from diffusers import StableDiffusion3ControlNetInpaintingPipeline
from diffusers import StableDiffusion3ControlNetPipeline
from diffusers import StableDiffusion3Img2ImgPipeline
from diffusers import StableDiffusion3InpaintPipeline
from diffusers import StableDiffusion3PAGImg2ImgPipeline
from diffusers import StableDiffusion3PAGImg2ImgPipeline
from diffusers import StableDiffusion3PAGPipeline
from diffusers import StableDiffusion3Pipeline
from diffusers import StableDiffusionAdapterPipeline
from diffusers import StableDiffusionAttendAndExcitePipeline
from diffusers import StableDiffusionControlNetImg2ImgPipeline
from diffusers import StableDiffusionControlNetInpaintPipeline
from diffusers import StableDiffusionControlNetPAGInpaintPipeline
```

```
from diffusers import StableDiffusionControlNetPAGPipeline
from diffusers import StableDiffusionControlNetPipeline
from diffusers import StableDiffusionControlNetXSPipeline
from diffusers import StableDiffusionDepth2ImgPipeline
from diffusers import StableDiffusionDiffEditPipeline
from diffusers import StableDiffusionGLIGENPipeline
from diffusers import StableDiffusionGLIGENTextImagePipeline
from diffusers import StableDiffusionImageVariationPipeline
from diffusers import StableDiffusionImg2ImgPipeline
from diffusers import StableDiffusionInpaintPipeline
from diffusers import StableDiffusionInpaintPipelineLegacy
from diffusers import StableDiffusionInstructPix2PixPipeline
from diffusers import StableDiffusionKDiffusionPipeline
from diffusers import StableDiffusionLatentUpscalePipeline
from diffusers import StableDiffusionLDM3DPipeline
from diffusers import StableDiffusionMixin
from diffusers import StableDiffusionModelEditingPipeline
from diffusers import StableDiffusionOnnxPipeline
from diffusers import StableDiffusionPAGImg2ImgPipeline
from diffusers import StableDiffusionPAGInpaintPipeline
from diffusers import StableDiffusionPAGPipeline
from diffusers import StableDiffusionPanoramaPipeline
from diffusers import StableDiffusionParadigmsPipeline
from diffusers import StableDiffusionPipeline
from diffusers import StableDiffusionPipelineSafe
from diffusers import StableDiffusionPix2PixZeroPipeline
from diffusers import StableDiffusionSAGPipeline
from diffusers import StableDiffusionUpscalePipeline
from diffusers import StableDiffusionXLAdapterPipeline
from diffusers import StableDiffusionXLAutoBlocks
from diffusers import StableDiffusionXLControlNetImg2ImgPipeline
from diffusers import StableDiffusionXLControlNetInpaintPipeline
from diffusers import StableDiffusionXLControlNetPAGImg2ImgPipeline
from diffusers import StableDiffusionXLControlNetPAGPipeline
from diffusers import StableDiffusionXLControlNetPipeline
from diffusers import StableDiffusionXLControlNetUnionImg2ImgPipeline
from diffusers import StableDiffusionXLControlNetUnionInpaintPipeline
from diffusers import StableDiffusionXLControlNetUnionPipeline
from diffusers import StableDiffusionXLControlNetXSPipeline
from diffusers import StableDiffusionXLImg2ImgPipeline
from diffusers import StableDiffusionXLInpaintPipeline
from diffusers import StableDiffusionXLInstructPix2PixPipeline
from diffusers import StableDiffusionXLKDiffusionPipeline
from diffusers import StableDiffusionXLModularPipeline
from diffusers import StableDiffusionXLPAGImg2ImgPipeline
from diffusers import StableDiffusionXLPAGInpaintPipeline
from diffusers import StableDiffusionXLPAGPipeline
from diffusers import StableDiffusionXLPipeline
from diffusers import StableUnCLIPImg2ImgPipeline
from diffusers import StableUnCLIPPipeline
from diffusers import StableVideoDiffusionPipeline
from diffusers import T2IAdapter
from diffusers import T5FilmDecoder
from diffusers import TangentialClassifierFreeGuidance
from diffusers import TCDScheduler
from diffusers import TextToVideoSDPipeline
from diffusers import TextToVideoZeroPipeline
from diffusers import TextToVideoZeroSDXLPipeline
from diffusers import TorchAoConfig
from diffusers import Transformer2DModel
from diffusers import TransformerTemporalModel
from diffusers import UnCLIPImageVariationPipeline
```

```

from diffusers import UnCLIPPipeline
from diffusers import UnCLIPScheduler
from diffusers import UNet1DModel
from diffusers import UNet2DConditionModel
from diffusers import UNet2DModel
from diffusers import UNet3DConditionModel
from diffusers import UNetControlNetXSModel
from diffusers import UNetMotionModel
from diffusers import UNetSpatioTemporalConditionModel
from diffusers import UniDiffuserModel
from diffusers import UniDiffuserPipeline
from diffusers import UniDiffuserTextDecoder
from diffusers import UniPCMultistepScheduler
from diffusers import UVit2DModel
from diffusers import VersatileDiffusionDualGuidedPipeline
from diffusers import VersatileDiffusionImageVariationPipeline
from diffusers import VersatileDiffusionPipeline
from diffusers import VersatileDiffusionTextToImagePipeline
from diffusers import VideoToVideoSDPipeline
from diffusers import VisualClozeGenerationPipeline
from diffusers import VisualClozePipeline
from diffusers import VQDiffusionPipeline
from diffusers import VQDiffusionScheduler
from diffusers import VQModel
from diffusers import WanAutoBlocks
from diffusers import WanImageToVideoPipeline
from diffusers import WanModularPipeline
from diffusers import WanPipeline
from diffusers import WanTransformer3DModel
from diffusers import WanVACEPipeline
from diffusers import WanVACETransformer3DModel
from diffusers import WanVideoToVideoPipeline
from diffusers import WuerstchenCombinedPipeline
from diffusers import WuerstchenDecoderPipeline
from diffusers import WuerstchenPriorPipeline

# Functions
from diffusers import apply_faster_cache
from diffusers import apply_first_block_cache
from diffusers import apply_layer_skip
from diffusers import apply_pyramid_attention_broadcast
from diffusers import attention_backend
from diffusers import get_constant_schedule
from diffusers import get_constant_schedule_with_warmup
from diffusers import get_cosine_schedule_with_warmup
from diffusers import get_cosine_with_hard_restarts_schedule_with_warmup
from diffusers import get_linear_schedule_with_warmup
from diffusers import get_polynomial_decay_schedule_with_warmup
from diffusers import get_scheduler
from diffusers import is_flax_available
from diffusers import is_inflect_available
from diffusers import is_invisible_watermark_available
from diffusers import is_k_diffusion_available
from diffusers import is_k_diffusion_version
from diffusers import is_librosa_available
from diffusers import is_note_seq_available
from diffusers import is_onnx_available
from diffusers import is_scipy_available
from diffusers import is_torch_available
from diffusers import is_torchsde_available
from diffusers import is_transformers_available
from diffusers import is_transformers_version

```



```

from diffusers import is_unidecode_available
from diffusers import requires_backends
from diffusers import requires_backends
from diffusers import requires_backends
from diffusers import requires_backends
from diffusers import requires_backends
from diffusers import requires_backends

```

```

# Sentinels / Constants / Objects
(none)

```

diffusers.callbacks

Classes

```

[
    Any,
    ConfigMixin,
    IPAdapterScaleCutoffCallback,
    MultiPipelineCallbacks,
    PipelineCallback,
    SD3CFGFCutoffCallback,
    SDCFGFCutoffCallback,
    SDXLCFGFCutoffCallback,
    SDXLControlnetCFGFCutoffCallback
]

```

Functions

```

[
    register_to_config
]

```

Sentinels / Constants / Objects

```

[
    CONFIG_NAME,
    Dict,
    List
]

```

Import statements

```

from diffusers.callbacks import Any
from diffusers.callbacks import ConfigMixin
from diffusers.callbacks import IPAdapterScaleCutoffCallback
from diffusers.callbacks import MultiPipelineCallbacks
from diffusers.callbacks import PipelineCallback
from diffusers.callbacks import SD3CFGFCutoffCallback
from diffusers.callbacks import SDCFGFCutoffCallback
from diffusers.callbacks import SDXLCFGFCutoffCallback
from diffusers.callbacks import SDXLControlnetCFGFCutoffCallback

```

```

# Functions
from diffusers.callbacks import register_to_config

```

```

# Sentinels / Constants / Objects
from diffusers.callbacks import CONFIG_NAME
from diffusers.callbacks import Dict
from diffusers.callbacks import List

```

diffusers.commands

Classes

```

[
    ABC,
    ArgumentParser,
    BaseDiffusersCLICommand
]

```

Functions

```
[
    abstractmethod
]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from diffusers.commands import ABC
from diffusers.commands import ArgumentParser
from diffusers.commands import BaseDiffusersCLICommand
```

```
# Functions
```

```
from diffusers.commands import abstractmethod
```

```
# Sentinels / Constants / Objects
```

```
(none)
```

[diffusers.configuration_utils](#)

Classes

```
[
    Any,
    ConfigMixin,
    DDUFEntry,
    DummyObject,
    EntryNotFoundError,
    FrozenDict,
    HTTPError,
    LegacyConfigMixin,
    OrderedDict,
    Path,
    RepositoryNotFoundError,
    RevisionNotFoundError
]
```

Functions

```
[
    create_repo,
    deprecate,
    extract_commit_hash,
    flax_register_to_config,
    hf_hub_download,
    http_user_agent,
    register_to_config,
    validate_hf_hub_args
]
```

Sentinels / Constants / Objects

```
[
    Dict,
    HUGGINGFACE_CO_RESOLVE_ENDPOINT,
    logger,
    Optional,
    Self,
    Tuple,
    Union
]
```

Import statements

```
from diffusers.configuration_utils import Any
from diffusers.configuration_utils import ConfigMixin
from diffusers.configuration_utils import DDUFEntry
from diffusers.configuration_utils import DummyObject
from diffusers.configuration_utils import EntryNotFoundError
from diffusers.configuration_utils import FrozenDict
```

```

from diffusers.configuration_utils import HTTPError
from diffusers.configuration_utils import LegacyConfigMixin
from diffusers.configuration_utils import OrderedDict
from diffusers.configuration_utils import Path
from diffusers.configuration_utils import RepositoryNotFoundError
from diffusers.configuration_utils import RevisionNotFoundError

# Functions
from diffusers.configuration_utils import create_repo
from diffusers.configuration_utils import deprecate
from diffusers.configuration_utils import extract_commit_hash
from diffusers.configuration_utils import flax_register_to_config
from diffusers.configuration_utils import hf_hub_download
from diffusers.configuration_utils import http_user_agent
from diffusers.configuration_utils import register_to_config
from diffusers.configuration_utils import validate_hf_hub_args

# Sentinels / Constants / Objects
from diffusers.configuration_utils import Dict
from diffusers.configuration_utils import HUGGINGFACE_CO_RESOLVE_ENDPOINT
from diffusers.configuration_utils import logger
from diffusers.configuration_utils import Optional
from diffusers.configuration_utils import Self
from diffusers.configuration_utils import Tuple
from diffusers.configuration_utils import Union

```

diffusers.dependency_versions_check

Classes

```
[ ]
```

Functions

```
[
    dep_version_check,
    require_version,
    require_version_core
]
```

Sentinels / Constants / Objects

```
[
    deps,
    pkg,
    pkgs_to_check_at_runtime
]
```

Import statements

```
(none)
```

Functions

```

from diffusers.dependency_versions_check import dep_version_check
from diffusers.dependency_versions_check import require_version
from diffusers.dependency_versions_check import require_version_core

```

Sentinels / Constants / Objects

```

from diffusers.dependency_versions_check import deps
from diffusers.dependency_versions_check import pkg
from diffusers.dependency_versions_check import pkgs_to_check_at_runtime

```

diffusers.dependency_versions_table

Classes

```
[ ]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[
    deps
]
Import statements
(none)

# Functions
(none)

# Sentinels / Constants / Objects
from diffusers.dependency_versions_table import deps
```

diffusers.experimental

Classes

```
[
    ValueGuidedRLPipeline
]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from diffusers.experimental import ValueGuidedRLPipeline
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

diffusers.guiders

Classes

```
[
    AdaptiveProjectedGuidance,
    AutoGuidance,
    ClassifierFreeGuidance,
    ClassifierFreeZeroStarGuidance,
    FrequencyDecoupledGuidance,
    PerturbedAttentionGuidance,
    SkipLayerGuidance,
    SmoothedEnergyGuidance,
    TangentialClassifierFreeGuidance
]
```

Functions

```
[
    is_torch_available
]
```

Sentinels / Constants / Objects

```
[
    GuiderType,
    Union
]
```

Import statements

```
from diffusers.guiders import AdaptiveProjectedGuidance
from diffusers.guiders import AutoGuidance
from diffusers.guiders import ClassifierFreeGuidance
from diffusers.guiders import ClassifierFreeZeroStarGuidance
from diffusers.guiders import FrequencyDecoupledGuidance
from diffusers.guiders import PerturbedAttentionGuidance
from diffusers.guiders import SkipLayerGuidance
```

```

from diffusers.guiders import SmoothedEnergyGuidance
from diffusers.guiders import TangentialClassifierFreeGuidance

# Functions
from diffusers.guiders import is_torch_available

# Sentinels / Constants / Objects
from diffusers.guiders import GuiderType
from diffusers.guiders import Union

```

diffusers.hooks

Classes

```

[
    FasterCacheConfig,
    FirstBlockCacheConfig,
    HookRegistry,
    LayerSkipConfig,
    ModelHook,
    PyramidAttentionBroadcastConfig,
    SmoothedEnergyGuidanceConfig
]

```

Functions

```

[
    apply_faster_cache,
    apply_first_block_cache,
    apply_group_offloading,
    apply_layer_skip,
    apply_layerwise_casting,
    apply_layerwise_casting_hook,
    apply_pyramid_attention_broadcast,
    is_torch_available
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from diffusers.hooks import FasterCacheConfig
from diffusers.hooks import FirstBlockCacheConfig
from diffusers.hooks import HookRegistry
from diffusers.hooks import LayerSkipConfig
from diffusers.hooks import ModelHook
from diffusers.hooks import PyramidAttentionBroadcastConfig
from diffusers.hooks import SmoothedEnergyGuidanceConfig

```

Functions

```

from diffusers.hooks import apply_faster_cache
from diffusers.hooks import apply_first_block_cache
from diffusers.hooks import apply_group_offloading
from diffusers.hooks import apply_layer_skip
from diffusers.hooks import apply_layerwise_casting
from diffusers.hooks import apply_layerwise_casting_hook
from diffusers.hooks import apply_pyramid_attention_broadcast
from diffusers.hooks import is_torch_available

```

Sentinels / Constants / Objects

```

(none)

```

diffusers.image_processor

Classes

```

[
    ConfigMixin,

```

```

    IPAdapterMaskProcessor,
    PixArtImageProcessor,
    VaeImageProcessor,
    VaeImageProcessorLDM3D
]
Functions
[
    deprecate,
    is_valid_image,
    is_valid_image_imagelist,
    register_to_config
]

```

Sentinels / Constants / Objects

```

[
    CONFIG_NAME,
    List,
    Optional,
    PIL_INTERPOLATION,
    PipelineDepthInput,
    PipelineImageInput,
    Tuple,
    Union
]

```

Import statements

```

from diffusers.image_processor import ConfigMixin
from diffusers.image_processor import IPAdapterMaskProcessor
from diffusers.image_processor import PixArtImageProcessor
from diffusers.image_processor import VaeImageProcessor
from diffusers.image_processor import VaeImageProcessorLDM3D

# Functions
from diffusers.image_processor import deprecate
from diffusers.image_processor import is_valid_image
from diffusers.image_processor import is_valid_image_imagelist
from diffusers.image_processor import register_to_config

# Sentinels / Constants / Objects
from diffusers.image_processor import CONFIG_NAME
from diffusers.image_processor import List
from diffusers.image_processor import Optional
from diffusers.image_processor import PIL_INTERPOLATION
from diffusers.image_processor import PipelineDepthInput
from diffusers.image_processor import PipelineImageInput
from diffusers.image_processor import Tuple
from diffusers.image_processor import Union

```

diffusers.loaders

Classes

```

[
    AmusedLoraLoaderMixin,
    AttnProcsLayers,
    AuraFlowLoraLoaderMixin,
    CogVideoXLoraLoaderMixin,
    CogView4LoraLoaderMixin,
    FluxIPAdapterMixin,
    FluxLoraLoaderMixin,
    FluxTransformer2DLoadersMixin,
    FromOriginalModelMixin,
    FromSingleFileMixin,
    HiDreamImageLoraLoaderMixin,
    HunyuanVideoLoraLoaderMixin,

```

```

IPAdapterMixin,
LoraLoaderMixin,
LTXVideoLoraLoaderMixin,
Lumina2LoraLoaderMixin,
Mochi1LoraLoaderMixin,
ModularIPAdapterMixin,
PeftAdapterMixin,
QwenImageLoraLoaderMixin,
SanaLoraLoaderMixin,
SD3IPAdapterMixin,
SD3LoraLoaderMixin,
SD3Transformer2DLoadersMixin,
SkyReelsV2LoraLoaderMixin,
StableDiffusionLoraLoaderMixin,
StableDiffusionXLLoraLoaderMixin,
TextualInversionLoaderMixin,
UNet2DConditionLoadersMixin,
WanLoraLoaderMixin
]

```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```

from diffusers.loaders import AmusedLoraLoaderMixin
from diffusers.loaders import AttnProcsLayers
from diffusers.loaders import AuraFlowLoraLoaderMixin
from diffusers.loaders import CogVideoXLoraLoaderMixin
from diffusers.loaders import CogView4LoraLoaderMixin
from diffusers.loaders import FluxIPAdapterMixin
from diffusers.loaders import FluxLoraLoaderMixin
from diffusers.loaders import FluxTransformer2DLoadersMixin
from diffusers.loaders import FromOriginalModelMixin
from diffusers.loaders import FromSingleFileMixin
from diffusers.loaders import HiDreamImageLoraLoaderMixin
from diffusers.loaders import HunyuanVideoLoraLoaderMixin
from diffusers.loaders import IPAdapterMixin
from diffusers.loaders import LoraLoaderMixin
from diffusers.loaders import LTXVideoLoraLoaderMixin
from diffusers.loaders import Lumina2LoraLoaderMixin
from diffusers.loaders import Mochi1LoraLoaderMixin
from diffusers.loaders import ModularIPAdapterMixin
from diffusers.loaders import PeftAdapterMixin
from diffusers.loaders import QwenImageLoraLoaderMixin
from diffusers.loaders import SanaLoraLoaderMixin
from diffusers.loaders import SD3IPAdapterMixin
from diffusers.loaders import SD3LoraLoaderMixin
from diffusers.loaders import SD3Transformer2DLoadersMixin
from diffusers.loaders import SkyReelsV2LoraLoaderMixin
from diffusers.loaders import StableDiffusionLoraLoaderMixin
from diffusers.loaders import StableDiffusionXLLoraLoaderMixin
from diffusers.loaders import TextualInversionLoaderMixin
from diffusers.loaders import UNet2DConditionLoadersMixin
from diffusers.loaders import WanLoraLoaderMixin

```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

diffusers.models

Classes

```
[
    AllegroTransformer3DModel,
    AsymmetricAutoencoderKL,
    AttentionBackendName,
    AuraFlowTransformer2DModel,
    AutoencoderDC,
    AutoencoderKL,
    AutoencoderKLAllegro,
    AutoencoderKLCogVideoX,
    AutoencoderKLCosmos,
    AutoencoderKLLHunYuanVideo,
    AutoencoderKLLTXVideo,
    AutoencoderKLMagvit,
    AutoencoderKLMochi,
    AutoencoderKLQwenImage,
    AutoencoderKLTemporalDecoder,
    AutoencoderKLWan,
    AutoencoderOobleck,
    AutoencoderTiny,
    AutoModel,
    CacheMixin,
    ChromaTransformer2DModel,
    CogVideoXTransformer3DModel,
    CogView3PlusTransformer2DModel,
    CogView4Transformer2DModel,
    ConsisIDTransformer3DModel,
    ConsistencyDecoderVAE,
    ControlNetModel,
    ControlNetUnionModel,
    ControlNetXSAdapter,
    CosmosTransformer3DModel,
    DiTTransformer2DModel,
    DualTransformer2DModel,
    EasyAnimateTransformer3DModel,
    FlaxAutoencoderKL,
    FlaxControlNetModel,
    FlaxUNet2DConditionModel,
    FluxControlNetModel,
    FluxMultiControlNetModel,
    FluxTransformer2DModel,
    HiDreamImageTransformer2DModel,
    HunyuanDiT2DControlNetModel,
    HunyuanDiT2DModel,
    HunyuanDiT2DMultiControlNetModel,
    HunyuanVideoFramepackTransformer3DModel,
    HunyuanVideoTransformer3DModel,
    I2VGenXLUNet,
    ImageProjection,
    Kandinsky3UNet,
    LatteTransformer3DModel,
    LTXVideoTransformer3DModel,
    Lumina2Transformer2DModel,
    LuminaNextDiT2DModel,
    MochiTransformer3DModel,
    ModelMixin,
    MotionAdapter,
    MultiAdapter,
    MultiControlNetModel,
    MultiControlNetUnionModel,
```



```

OmniGenTransformer2DModel,
PixArtTransformer2DModel,
PriorTransformer,
QwenImageTransformer2DModel,
SanaControlNetModel,
SanaTransformer2DModel,
SD3ControlNetModel,
SD3MultiControlNetModel,
SD3Transformer2DModel,
SkyReelsV2Transformer3DModel,
SparseControlNetModel,
StableAudioDiTModel,
StableCascadeUNet,
T2IAdapter,
T5FilmDecoder,
Transformer2DModel,
TransformerTemporalModel,
UNet1DModel,
UNet2DConditionModel,
UNet2DModel,
UNet3DConditionModel,
UNetControlNetXSModel,
UNetMotionModel,
UNetSpatioTemporalConditionModel,
UVit2DModel,
VQModel,
WanTransformer3DModel,
WanVACETransformer3DModel

```

```
]
```

Functions

```

[
    attention_backend
]

```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```

from diffusers.models import AllegroTransformer3DModel
from diffusers.models import AsymmetricAutoencoderKL
from diffusers.models import AttentionBackendName
from diffusers.models import AuraFlowTransformer2DModel
from diffusers.models import AutoencoderDC
from diffusers.models import AutoencoderKL
from diffusers.models import AutoencoderKLAllegro
from diffusers.models import AutoencoderKLCogVideoX
from diffusers.models import AutoencoderKLCosmos
from diffusers.models import AutoencoderKLLHunYuanVideo
from diffusers.models import AutoencoderKLLTXVideo
from diffusers.models import AutoencoderKLMagvit
from diffusers.models import AutoencoderKLMochi
from diffusers.models import AutoencoderKLQwenImage
from diffusers.models import AutoencoderKLTemporalDecoder
from diffusers.models import AutoencoderKLWan
from diffusers.models import AutoencoderOobleck
from diffusers.models import AutoencoderTiny
from diffusers.models import AutoModel
from diffusers.models import CacheMixin
from diffusers.models import ChromaTransformer2DModel
from diffusers.models import CogVideoXTransformer3DModel
from diffusers.models import CogView3PlusTransformer2DModel
from diffusers.models import CogView4Transformer2DModel
from diffusers.models import ConsisIDTransformer3DModel
from diffusers.models import ConsistencyDecoderVAE

```

```

from diffusers.models import ControlNetModel
from diffusers.models import ControlNetUnionModel
from diffusers.models import ControlNetXSAdapter
from diffusers.models import CosmosTransformer3DModel
from diffusers.models import DiTTransformer2DModel
from diffusers.models import DualTransformer2DModel
from diffusers.models import EasyAnimateTransformer3DModel
from diffusers.models import FlaxAutoencoderKL
from diffusers.models import FlaxControlNetModel
from diffusers.models import FlaxUNet2DConditionModel
from diffusers.models import FluxControlNetModel
from diffusers.models import FluxMultiControlNetModel
from diffusers.models import FluxTransformer2DModel
from diffusers.models import HiDreamImageTransformer2DModel
from diffusers.models import HunyuanDiT2DControlNetModel
from diffusers.models import HunyuanDiT2DModel
from diffusers.models import HunyuanDiT2DMultiControlNetModel
from diffusers.models import HunyuanVideoFramepackTransformer3DModel
from diffusers.models import HunyuanVideoTransformer3DModel
from diffusers.models import I2VGenXLUNet
from diffusers.models import ImageProjection
from diffusers.models import Kandinsky3UNet
from diffusers.models import LatteTransformer3DModel
from diffusers.models import LTXVideoTransformer3DModel
from diffusers.models import Lumina2Transformer2DModel
from diffusers.models import LuminaNextDiT2DModel
from diffusers.models import MochiTransformer3DModel
from diffusers.models import ModelMixin
from diffusers.models import MotionAdapter
from diffusers.models import MultiAdapter
from diffusers.models import MultiControlNetModel
from diffusers.models import MultiControlNetUnionModel
from diffusers.models import OmniGenTransformer2DModel
from diffusers.models import PixArtTransformer2DModel
from diffusers.models import PriorTransformer
from diffusers.models import QwenImageTransformer2DModel
from diffusers.models import SanaControlNetModel
from diffusers.models import SanaTransformer2DModel
from diffusers.models import SD3ControlNetModel
from diffusers.models import SD3MultiControlNetModel
from diffusers.models import SD3Transformer2DModel
from diffusers.models import SkyReelsV2Transformer3DModel
from diffusers.models import SparseControlNetModel
from diffusers.models import StableAudioDiTModel
from diffusers.models import StableCascadeUNet
from diffusers.models import T2IAdapter
from diffusers.models import T5FilmDecoder
from diffusers.models import Transformer2DModel
from diffusers.models import TransformerTemporalModel
from diffusers.models import UNet1DModel
from diffusers.models import UNet2DConditionModel
from diffusers.models import UNet2DModel
from diffusers.models import UNet3DConditionModel
from diffusers.models import UNetControlNetXSModel
from diffusers.models import UNetMotionModel
from diffusers.models import UNetSpatioTemporalConditionModel
from diffusers.models import UVit2DModel
from diffusers.models import VQModel
from diffusers.models import WanTransformer3DModel
from diffusers.models import WanVACETransformer3DModel

```

```
# Functions
```

```
from diffusers.models import attention_backend
```

```
# Sentinels / Constants / Objects  
(none)
```

diffusers.modular_pipelines

Classes

```
[  
    AutoPipelineBlocks,  
    BlockState,  
    ComponentsManager,  
    ComponentSpec,  
    ConfigSpec,  
    FluxAutoBlocks,  
    FluxModularPipeline,  
    InputParam,  
    InsertableDict,  
    LoopSequentialPipelineBlocks,  
    ModularPipeline,  
    ModularPipelineBlocks,  
    OutputParam,  
    PipelineState,  
    SequentialPipelineBlocks,  
    StableDiffusionXLAutoBlocks,  
    StableDiffusionXLModularPipeline,  
    WanAutoBlocks,  
    WanModularPipeline  
]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from diffusers.modular_pipelines import AutoPipelineBlocks  
from diffusers.modular_pipelines import BlockState  
from diffusers.modular_pipelines import ComponentsManager  
from diffusers.modular_pipelines import ComponentSpec  
from diffusers.modular_pipelines import ConfigSpec  
from diffusers.modular_pipelines import FluxAutoBlocks  
from diffusers.modular_pipelines import FluxModularPipeline  
from diffusers.modular_pipelines import InputParam  
from diffusers.modular_pipelines import InsertableDict  
from diffusers.modular_pipelines import LoopSequentialPipelineBlocks  
from diffusers.modular_pipelines import ModularPipeline  
from diffusers.modular_pipelines import ModularPipelineBlocks  
from diffusers.modular_pipelines import OutputParam  
from diffusers.modular_pipelines import PipelineState  
from diffusers.modular_pipelines import SequentialPipelineBlocks  
from diffusers.modular_pipelines import StableDiffusionXLAutoBlocks  
from diffusers.modular_pipelines import StableDiffusionXLModularPipeline  
from diffusers.modular_pipelines import WanAutoBlocks  
from diffusers.modular_pipelines import WanModularPipeline
```

```
# Functions  
(none)
```

```
# Sentinels / Constants / Objects  
(none)
```

diffusers.optimization

Classes

```
[
    Enum,
    LambdaLR,
    Optimizer,
    SchedulerType
]
```

Functions

```
[
    get_constant_schedule,
    get_constant_schedule_with_warmup,
    get_cosine_schedule_with_warmup,
    get_cosine_with_hard_restarts_schedule_with_warmup,
    get_linear_schedule_with_warmup,
    get_piecewise_constant_schedule,
    get_polynomial_decay_schedule_with_warmup,
    get_scheduler
]
```

Sentinels / Constants / Objects

```
[
    logger,
    Optional,
    TYPE_TO_SCHEDULER_FUNCTION,
    Union
]
```

Import statements

```
from diffusers.optimization import Enum
from diffusers.optimization import LambdaLR
from diffusers.optimization import Optimizer
from diffusers.optimization import SchedulerType
```

Functions

```
from diffusers.optimization import get_constant_schedule
from diffusers.optimization import get_constant_schedule_with_warmup
from diffusers.optimization import get_cosine_schedule_with_warmup
from diffusers.optimization import get_cosine_with_hard_restarts_schedule_with_warmup
from diffusers.optimization import get_linear_schedule_with_warmup
from diffusers.optimization import get_piecewise_constant_schedule
from diffusers.optimization import get_polynomial_decay_schedule_with_warmup
from diffusers.optimization import get_scheduler
```

Sentinels / Constants / Objects

```
from diffusers.optimization import logger
from diffusers.optimization import Optional
from diffusers.optimization import TYPE_TO_SCHEDULER_FUNCTION
from diffusers.optimization import Union
```

diffusers.pipelines

Classes

```
[
    AllegroPipeline,
    AltDiffusionImg2ImgPipeline,
    AltDiffusionPipeline,
    AmusedImg2ImgPipeline,
    AmusedInpaintPipeline,
    AmusedPipeline,
    AnimateDiffControlNetPipeline,
    AnimateDiffPAGPipeline,
    AnimateDiffPipeline,
    AnimateDiffSDXLPipeline,
    AnimateDiffSparseControlNetPipeline,

```

AnimateDiffVideoToVideoControlNetPipeline,
AnimateDiffVideoToVideoPipeline,
AudioDiffusionPipeline,
AudioLDM2Pipeline,
AudioLDM2ProjectionModel,
AudioLDM2UNet2DConditionModel,
AudioLDMPipeline,
AudioPipelineOutput,
AuraFlowPipeline,
AutoPipelineForImage2Image,
AutoPipelineForInpainting,
AutoPipelineForText2Image,
BlipDiffusionControlNetPipeline,
BlipDiffusionPipeline,
ChromaImg2ImgPipeline,
ChromaPipeline,
CLIPImageProjection,
CogVideoXFunControlPipeline,
CogVideoXImageToVideoPipeline,
CogVideoXPipeline,
CogVideoXVideoToVideoPipeline,
CogView3PlusPipeline,
CogView4ControlPipeline,
CogView4Pipeline,
ConsisIDPipeline,
ConsistencyModelPipeline,
Cosmos2TextToImagePipeline,
Cosmos2VideoToWorldPipeline,
CosmosTextToWorldPipeline,
CosmosVideoToWorldPipeline,
CycleDiffusionPipeline,
DanceDiffusionPipeline,
DDIMPipeline,
DDPMPipeline,
DiffusionPipeline,
DiTPipeline,
EasyAnimateControlPipeline,
EasyAnimateInpaintPipeline,
EasyAnimatePipeline,
FlaxDiffusionPipeline,
FlaxStableDiffusionControlNetPipeline,
FlaxStableDiffusionImg2ImgPipeline,
FlaxStableDiffusionInpaintPipeline,
FlaxStableDiffusionPipeline,
FlaxStableDiffusionXLPipeline,
FluxControlImg2ImgPipeline,
FluxControlInpaintPipeline,
FluxControlNetImg2ImgPipeline,
FluxControlNetInpaintPipeline,
FluxControlNetPipeline,
FluxControlPipeline,
FluxFillPipeline,
FluxImg2ImgPipeline,
FluxInpaintPipeline,
FluxKontextInpaintPipeline,
FluxKontextPipeline,
FluxPipeline,
FluxPriorReduxPipeline,
HiDreamImagePipeline,
HunyuanDiTControlNetPipeline,
HunyuanDiTPAGPipeline,
HunyuanDiTPipeline,

HunyuanSkyreelsImageToVideoPipeline,
HunyuanVideoFramepackPipeline,
HunyuanVideoImageToVideoPipeline,
HunyuanVideoPipeline,
I2VGenXLPipeline,
IFImg2ImgPipeline,
IFImg2ImgSuperResolutionPipeline,
IFInpaintingPipeline,
IFInpaintingSuperResolutionPipeline,
IFPipeline,
IFSuperResolutionPipeline,
ImagePipelineOutput,
ImageTextPipelineOutput,
Kandinsky3Img2ImgPipeline,
Kandinsky3Pipeline,
KandinskyCombinedPipeline,
KandinskyImg2ImgCombinedPipeline,
KandinskyImg2ImgPipeline,
KandinskyInpaintCombinedPipeline,
KandinskyInpaintPipeline,
KandinskyPipeline,
KandinskyPriorPipeline,
KandinskyV22CombinedPipeline,
KandinskyV22ControlnetImg2ImgPipeline,
KandinskyV22ControlnetPipeline,
KandinskyV22Img2ImgCombinedPipeline,
KandinskyV22Img2ImgPipeline,
KandinskyV22InpaintCombinedPipeline,
KandinskyV22InpaintPipeline,
KandinskyV22Pipeline,
KandinskyV22PriorEmb2EmbPipeline,
KandinskyV22PriorPipeline,
KarrasVePipeline,
KoloursImg2ImgPipeline,
KoloursPAGPipeline,
KoloursPipeline,
LatentConsistencyModelImg2ImgPipeline,
LatentConsistencyModelPipeline,
LattePipeline,
LDMPipeline,
LDMSuperResolutionPipeline,
LDMTextToImagePipeline,
LEditsPPPPipelineStableDiffusion,
LEditsPPPPipelineStableDiffusionXL,
LTXConditionPipeline,
LTXImageToVideoPipeline,
LTXLatentUpsamplePipeline,
LTXPipeline,
Lumina2Pipeline,
Lumina2Text2ImgPipeline,
LuminaPipeline,
LuminaText2ImgPipeline,
MarigoldDepthPipeline,
MarigoldIntrinsicsPipeline,
MarigoldNormalsPipeline,
Mel,
MochiPipeline,
MusicLDMPipeline,
OmniGenPipeline,
PaintByExamplePipeline,
PIAPipeline,
PixArtAlphaPipeline,

PixArtSigmaPAGPipeline,
PixArtSigmaPipeline,
PNDMPipeline,
QwenImageEditPipeline,
QwenImageImg2ImgPipeline,
QwenImageInpaintPipeline,
QwenImagePipeline,
ReduxImageEncoder,
RePaintPipeline,
SanaControlNetPipeline,
SanaPAGPipeline,
SanaPipeline,
SanaSprintImg2ImgPipeline,
SanaSprintPipeline,
ScoreSdeVePipeline,
SemanticStableDiffusionPipeline,
ShapEImg2ImgPipeline,
ShapEPipeline,
SkyReelsV2ImageToVideoPipeline,
SkyReelsV2Pipeline,
StableAudioPipeline,
StableAudioProjectionModel,
StableCascadeCombinedPipeline,
StableCascadeDecoderPipeline,
StableCascadePriorPipeline,
StableDiffusion3ControlNetInpaintingPipeline,
StableDiffusion3ControlNetPipeline,
StableDiffusion3Img2ImgPipeline,
StableDiffusion3InpaintPipeline,
StableDiffusion3PAGImg2ImgPipeline,
StableDiffusion3PAGPipeline,
StableDiffusion3Pipeline,
StableDiffusionAdapterPipeline,
StableDiffusionAttendAndExcitePipeline,
StableDiffusionControlNetImg2ImgPipeline,
StableDiffusionControlNetInpaintPipeline,
StableDiffusionControlNetPAGInpaintPipeline,
StableDiffusionControlNetPAGPipeline,
StableDiffusionControlNetPipeline,
StableDiffusionControlNetXSPipeline,
StableDiffusionDepth2ImgPipeline,
StableDiffusionDiffEditPipeline,
StableDiffusionGLIGENPipeline,
StableDiffusionGLIGENTextImagePipeline,
StableDiffusionImageVariationPipeline,
StableDiffusionImg2ImgPipeline,
StableDiffusionInpaintPipeline,
StableDiffusionInpaintPipelineLegacy,
StableDiffusionInstructPix2PixPipeline,
StableDiffusionLatentUpscalePipeline,
StableDiffusionLDM3DPipeline,
StableDiffusionLDM3DPipeline,
StableDiffusionMixin,
StableDiffusionModelEditingPipeline,
StableDiffusionPAGImg2ImgPipeline,
StableDiffusionPAGInpaintPipeline,
StableDiffusionPAGPipeline,
StableDiffusionPanoramaPipeline,
StableDiffusionParadigmsPipeline,
StableDiffusionPipeline,
StableDiffusionPipelineSafe,
StableDiffusionPix2PixZeroPipeline,

```

StableDiffusionSAGPipeline,
StableDiffusionUpscalePipeline,
StableDiffusionXLAdapterPipeline,
StableDiffusionXLControlNetImg2ImgPipeline,
StableDiffusionXLControlNetInpaintPipeline,
StableDiffusionXLControlNetPAGImg2ImgPipeline,
StableDiffusionXLControlNetPAGPipeline,
StableDiffusionXLControlNetPipeline,
StableDiffusionXLControlNetUnionImg2ImgPipeline,
StableDiffusionXLControlNetUnionInpaintPipeline,
StableDiffusionXLControlNetUnionPipeline,
StableDiffusionXLControlNetXSPPipeline,
StableDiffusionXLImg2ImgPipeline,
StableDiffusionXLInpaintPipeline,
StableDiffusionXLInstructPix2PixPipeline,
StableDiffusionXLPAGImg2ImgPipeline,
StableDiffusionXLPAGInpaintPipeline,
StableDiffusionXLPAGPipeline,
StableDiffusionXLPipeline,
StableUnCLIPImg2ImgPipeline,
StableUnCLIPPipeline,
StableVideoDiffusionPipeline,
TextToVideoSDPipeline,
TextToVideoZeroPipeline,
TextToVideoZeroSDXLPipeline,
UnCLIPImageVariationPipeline,
UnCLIPPipeline,
UniDiffuserModel,
UniDiffuserPipeline,
UniDiffuserTextDecoder,
VersatileDiffusionDualGuidedPipeline,
VersatileDiffusionImageVariationPipeline,
VersatileDiffusionPipeline,
VersatileDiffusionTextToImagePipeline,
VideoToVideoSDPipeline,
VisualClozeGenerationPipeline,
VisualClozePipeline,
VQDiffusionPipeline,
WanImageToVideoPipeline,
WanPipeline,
WanVACEPipeline,
WanVideoToVideoPipeline,
WuerstchenCombinedPipeline,
WuerstchenDecoderPipeline,
WuerstchenPriorPipeline

```

```
]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```

from diffusers.pipelines import AllegroPipeline
from diffusers.pipelines import AltDiffusionImg2ImgPipeline
from diffusers.pipelines import AltDiffusionPipeline
from diffusers.pipelines import AmusedImg2ImgPipeline
from diffusers.pipelines import AmusedInpaintPipeline
from diffusers.pipelines import AmusedPipeline
from diffusers.pipelines import AnimateDiffControlNetPipeline
from diffusers.pipelines import AnimateDiffPAGPipeline
from diffusers.pipelines import AnimateDiffPipeline
from diffusers.pipelines import AnimateDiffSDXLPipeline
from diffusers.pipelines import AnimateDiffSparseControlNetPipeline

```



```
from diffusers.pipelines import AnimateDiffVideoToVideoControlNetPipeline
from diffusers.pipelines import AnimateDiffVideoToVideoPipeline
from diffusers.pipelines import AudioDiffusionPipeline
from diffusers.pipelines import AudioLDM2Pipeline
from diffusers.pipelines import AudioLDM2ProjectionModel
from diffusers.pipelines import AudioLDM2UNet2DConditionModel
from diffusers.pipelines import AudioLDMPipeline
from diffusers.pipelines import AudioPipelineOutput
from diffusers.pipelines import AuraFlowPipeline
from diffusers.pipelines import AutoPipelineForImage2Image
from diffusers.pipelines import AutoPipelineForInpainting
from diffusers.pipelines import AutoPipelineForText2Image
from diffusers.pipelines import BlipDiffusionControlNetPipeline
from diffusers.pipelines import BlipDiffusionPipeline
from diffusers.pipelines import ChromaImg2ImgPipeline
from diffusers.pipelines import ChromaPipeline
from diffusers.pipelines import CLIPImageProjection
from diffusers.pipelines import CogVideoXFunControlPipeline
from diffusers.pipelines import CogVideoXImageToVideoPipeline
from diffusers.pipelines import CogVideoXPipeline
from diffusers.pipelines import CogVideoXVideoToVideoPipeline
from diffusers.pipelines import CogView3PlusPipeline
from diffusers.pipelines import CogView4ControlPipeline
from diffusers.pipelines import CogView4Pipeline
from diffusers.pipelines import ConsisIDPipeline
from diffusers.pipelines import ConsistencyModelPipeline
from diffusers.pipelines import Cosmos2TextToImagePipeline
from diffusers.pipelines import Cosmos2VideoToWorldPipeline
from diffusers.pipelines import CosmosTextToWorldPipeline
from diffusers.pipelines import CosmosVideoToWorldPipeline
from diffusers.pipelines import CycleDiffusionPipeline
from diffusers.pipelines import DanceDiffusionPipeline
from diffusers.pipelines import DDIMPipeline
from diffusers.pipelines import DDPMPPipeline
from diffusers.pipelines import DiffusionPipeline
from diffusers.pipelines import DiTPipeline
from diffusers.pipelines import EasyAnimateControlPipeline
from diffusers.pipelines import EasyAnimateInpaintPipeline
from diffusers.pipelines import EasyAnimatePipeline
from diffusers.pipelines import FlaxDiffusionPipeline
from diffusers.pipelines import FlaxStableDiffusionControlNetPipeline
from diffusers.pipelines import FlaxStableDiffusionImg2ImgPipeline
from diffusers.pipelines import FlaxStableDiffusionInpaintPipeline
from diffusers.pipelines import FlaxStableDiffusionPipeline
from diffusers.pipelines import FlaxStableDiffusionXLPipeline
from diffusers.pipelines import FluxControlImg2ImgPipeline
from diffusers.pipelines import FluxControlInpaintPipeline
from diffusers.pipelines import FluxControlNetImg2ImgPipeline
from diffusers.pipelines import FluxControlNetInpaintPipeline
from diffusers.pipelines import FluxControlNetPipeline
from diffusers.pipelines import FluxControlPipeline
from diffusers.pipelines import FluxFillPipeline
from diffusers.pipelines import FluxImg2ImgPipeline
from diffusers.pipelines import FluxInpaintPipeline
from diffusers.pipelines import FluxKontextInpaintPipeline
from diffusers.pipelines import FluxKontextPipeline
from diffusers.pipelines import FluxPipeline
from diffusers.pipelines import FluxPriorReduxPipeline
from diffusers.pipelines import HiDreamImagePipeline
from diffusers.pipelines import HunyuanDiTControlNetPipeline
from diffusers.pipelines import HunyuanDiTPAGPipeline
from diffusers.pipelines import HunyuanDiTPipeline
```

```
from diffusers.pipelines import HunyuanSkyreelsImageToVideoPipeline
from diffusers.pipelines import HunyuanVideoFramepackPipeline
from diffusers.pipelines import HunyuanVideoImageToVideoPipeline
from diffusers.pipelines import HunyuanVideoPipeline
from diffusers.pipelines import I2VGenXLPipeline
from diffusers.pipelines import IFImg2ImgPipeline
from diffusers.pipelines import IFImg2ImgSuperResolutionPipeline
from diffusers.pipelines import IFInpaintingPipeline
from diffusers.pipelines import IFInpaintingSuperResolutionPipeline
from diffusers.pipelines import IFPipeline
from diffusers.pipelines import IFSuperResolutionPipeline
from diffusers.pipelines import ImagePipelineOutput
from diffusers.pipelines import ImageTextPipelineOutput
from diffusers.pipelines import Kandinsky3Img2ImgPipeline
from diffusers.pipelines import Kandinsky3Pipeline
from diffusers.pipelines import KandinskyCombinedPipeline
from diffusers.pipelines import KandinskyImg2ImgCombinedPipeline
from diffusers.pipelines import KandinskyImg2ImgPipeline
from diffusers.pipelines import KandinskyInpaintCombinedPipeline
from diffusers.pipelines import KandinskyInpaintPipeline
from diffusers.pipelines import KandinskyPipeline
from diffusers.pipelines import KandinskyPriorPipeline
from diffusers.pipelines import KandinskyV22CombinedPipeline
from diffusers.pipelines import KandinskyV22ControlnetImg2ImgPipeline
from diffusers.pipelines import KandinskyV22ControlnetPipeline
from diffusers.pipelines import KandinskyV22Img2ImgCombinedPipeline
from diffusers.pipelines import KandinskyV22Img2ImgPipeline
from diffusers.pipelines import KandinskyV22InpaintCombinedPipeline
from diffusers.pipelines import KandinskyV22InpaintPipeline
from diffusers.pipelines import KandinskyV22Pipeline
from diffusers.pipelines import KandinskyV22PriorEmb2EmbPipeline
from diffusers.pipelines import KandinskyV22PriorPipeline
from diffusers.pipelines import KarrasVePipeline
from diffusers.pipelines import KoloursImg2ImgPipeline
from diffusers.pipelines import KoloursPAGPipeline
from diffusers.pipelines import KoloursPipeline
from diffusers.pipelines import LatentConsistencyModelImg2ImgPipeline
from diffusers.pipelines import LatentConsistencyModelPipeline
from diffusers.pipelines import LattePipeline
from diffusers.pipelines import LDMPipeline
from diffusers.pipelines import LDMSuperResolutionPipeline
from diffusers.pipelines import LDMTTextToImagePipeline
from diffusers.pipelines import LEditsPPPPipelineStableDiffusion
from diffusers.pipelines import LEditsPPPPipelineStableDiffusionXL
from diffusers.pipelines import LTXConditionPipeline
from diffusers.pipelines import LTXImageToVideoPipeline
from diffusers.pipelines import LTXLatentUpsamplePipeline
from diffusers.pipelines import LTXPipeline
from diffusers.pipelines import Lumina2Pipeline
from diffusers.pipelines import Lumina2Text2ImgPipeline
from diffusers.pipelines import LuminaPipeline
from diffusers.pipelines import LuminaText2ImgPipeline
from diffusers.pipelines import MarigoldDepthPipeline
from diffusers.pipelines import MarigoldIntrinsicsPipeline
from diffusers.pipelines import MarigoldNormalsPipeline
from diffusers.pipelines import Mel
from diffusers.pipelines import MochiPipeline
from diffusers.pipelines import MusicLDMPipeline
from diffusers.pipelines import OmniGenPipeline
from diffusers.pipelines import PaintByExamplePipeline
from diffusers.pipelines import PIAPipeline
from diffusers.pipelines import PixArtAlphaPipeline
```

```
from diffusers.pipelines import PixArtSigmaPAGPipeline
from diffusers.pipelines import PixArtSigmaPipeline
from diffusers.pipelines import PNDMPipeline
from diffusers.pipelines import QwenImageEditPipeline
from diffusers.pipelines import QwenImageImg2ImgPipeline
from diffusers.pipelines import QwenImageInpaintPipeline
from diffusers.pipelines import QwenImagePipeline
from diffusers.pipelines import ReduxImageEncoder
from diffusers.pipelines import RePaintPipeline
from diffusers.pipelines import SanaControlNetPipeline
from diffusers.pipelines import SanaPAGPipeline
from diffusers.pipelines import SanaPipeline
from diffusers.pipelines import SanaSprintImg2ImgPipeline
from diffusers.pipelines import SanaSprintPipeline
from diffusers.pipelines import ScoreSdeVePipeline
from diffusers.pipelines import SemanticStableDiffusionPipeline
from diffusers.pipelines import ShapEImg2ImgPipeline
from diffusers.pipelines import ShapEPipeline
from diffusers.pipelines import SkyReelsV2ImageToVideoPipeline
from diffusers.pipelines import SkyReelsV2Pipeline
from diffusers.pipelines import StableAudioPipeline
from diffusers.pipelines import StableAudioProjectionModel
from diffusers.pipelines import StableCascadeCombinedPipeline
from diffusers.pipelines import StableCascadeDecoderPipeline
from diffusers.pipelines import StableCascadePriorPipeline
from diffusers.pipelines import StableDiffusion3ControlNetInpaintingPipeline
from diffusers.pipelines import StableDiffusion3ControlNetPipeline
from diffusers.pipelines import StableDiffusion3Img2ImgPipeline
from diffusers.pipelines import StableDiffusion3InpaintPipeline
from diffusers.pipelines import StableDiffusion3PAGImg2ImgPipeline
from diffusers.pipelines import StableDiffusion3PAGPipeline
from diffusers.pipelines import StableDiffusion3Pipeline
from diffusers.pipelines import StableDiffusionAdapterPipeline
from diffusers.pipelines import StableDiffusionAttendAndExcitePipeline
from diffusers.pipelines import StableDiffusionControlNetImg2ImgPipeline
from diffusers.pipelines import StableDiffusionControlNetInpaintPipeline
from diffusers.pipelines import StableDiffusionControlNetPAGInpaintPipeline
from diffusers.pipelines import StableDiffusionControlNetPAGPipeline
from diffusers.pipelines import StableDiffusionControlNetPipeline
from diffusers.pipelines import StableDiffusionControlNetXSPipeline
from diffusers.pipelines import StableDiffusionDepth2ImgPipeline
from diffusers.pipelines import StableDiffusionDiffEditPipeline
from diffusers.pipelines import StableDiffusionGLIGENPipeline
from diffusers.pipelines import StableDiffusionGLIGENTextImagePipeline
from diffusers.pipelines import StableDiffusionImageVariationPipeline
from diffusers.pipelines import StableDiffusionImg2ImgPipeline
from diffusers.pipelines import StableDiffusionInpaintPipeline
from diffusers.pipelines import StableDiffusionInpaintPipelineLegacy
from diffusers.pipelines import StableDiffusionInstructPix2PixPipeline
from diffusers.pipelines import StableDiffusionLatentUpscalePipeline
from diffusers.pipelines import StableDiffusionLDM3DPipeline
from diffusers.pipelines import StableDiffusionLDM3DPipeline
from diffusers.pipelines import StableDiffusionMixin
from diffusers.pipelines import StableDiffusionModelEditingPipeline
from diffusers.pipelines import StableDiffusionPAGImg2ImgPipeline
from diffusers.pipelines import StableDiffusionPAGInpaintPipeline
from diffusers.pipelines import StableDiffusionPAGPipeline
from diffusers.pipelines import StableDiffusionPanoramaPipeline
from diffusers.pipelines import StableDiffusionParadigmsPipeline
from diffusers.pipelines import StableDiffusionPipeline
from diffusers.pipelines import StableDiffusionPipelineSafe
from diffusers.pipelines import StableDiffusionPix2PixZeroPipeline
```

```

from diffusers.pipelines import StableDiffusionSAGPipeline
from diffusers.pipelines import StableDiffusionUpscalePipeline
from diffusers.pipelines import StableDiffusionXLAdapterPipeline
from diffusers.pipelines import StableDiffusionXLControlNetImg2ImgPipeline
from diffusers.pipelines import StableDiffusionXLControlNetInpaintPipeline
from diffusers.pipelines import StableDiffusionXLControlNetPAGImg2ImgPipeline
from diffusers.pipelines import StableDiffusionXLControlNetPAGPipeline
from diffusers.pipelines import StableDiffusionXLControlNetPipeline
from diffusers.pipelines import StableDiffusionXLControlNetUnionImg2ImgPipeline
from diffusers.pipelines import StableDiffusionXLControlNetUnionInpaintPipeline
from diffusers.pipelines import StableDiffusionXLControlNetUnionPipeline
from diffusers.pipelines import StableDiffusionXLControlNetXSPPipeline
from diffusers.pipelines import StableDiffusionXLImg2ImgPipeline
from diffusers.pipelines import StableDiffusionXLInpaintPipeline
from diffusers.pipelines import StableDiffusionXLInstructPix2PixPipeline
from diffusers.pipelines import StableDiffusionXLPAGImg2ImgPipeline
from diffusers.pipelines import StableDiffusionXLPAGInpaintPipeline
from diffusers.pipelines import StableDiffusionXLPAGPipeline
from diffusers.pipelines import StableDiffusionXLPipeline
from diffusers.pipelines import StableUnCLIPImg2ImgPipeline
from diffusers.pipelines import StableUnCLIPPipeline
from diffusers.pipelines import StableVideoDiffusionPipeline
from diffusers.pipelines import TextToVideoSDPipeline
from diffusers.pipelines import TextToVideoZeroPipeline
from diffusers.pipelines import TextToVideoZeroSDXLPipeline
from diffusers.pipelines import UnCLIPImageVariationPipeline
from diffusers.pipelines import UnCLIPPipeline
from diffusers.pipelines import UniDiffuserModel
from diffusers.pipelines import UniDiffuserPipeline
from diffusers.pipelines import UniDiffuserTextDecoder
from diffusers.pipelines import VersatileDiffusionDualGuidedPipeline
from diffusers.pipelines import VersatileDiffusionImageVariationPipeline
from diffusers.pipelines import VersatileDiffusionPipeline
from diffusers.pipelines import VersatileDiffusionTextToImagePipeline
from diffusers.pipelines import VideoToVideoSDPipeline
from diffusers.pipelines import VisualClozeGenerationPipeline
from diffusers.pipelines import VisualClozePipeline
from diffusers.pipelines import VQDiffusionPipeline
from diffusers.pipelines import WanImageToVideoPipeline
from diffusers.pipelines import WanPipeline
from diffusers.pipelines import WanVACEPipeline
from diffusers.pipelines import WanVideoToVideoPipeline
from diffusers.pipelines import WuerstchenCombinedPipeline
from diffusers.pipelines import WuerstchenDecoderPipeline
from diffusers.pipelines import WuerstchenPriorPipeline

```

Functions

(none)

Sentinels / Constants / Objects

(none)

diffusers.quantizers

Classes

```

[
    DiffusersAutoQuantizer,
    DiffusersQuantizer,
    PipelineQuantizationConfig
]

```

Functions

```

[]

```

Sentinels / Constants / Objects

[]

Import statements

```
from diffusers.quantizers import DiffusersAutoQuantizer
from diffusers.quantizers import DiffusersQuantizer
from diffusers.quantizers import PipelineQuantizationConfig
```

Functions

(none)

Sentinels / Constants / Objects

(none)

diffusers.schedulers

Classes

[

```
    AmusedScheduler,
    CMStochasticIterativeScheduler,
    CogVideoXDDIMScheduler,
    CogVideoXDPMScheduler,
    ConsistencyDecoderScheduler,
    DDIMInverseScheduler,
    DDIMParallelScheduler,
    DDIMScheduler,
    DDPMPParallelScheduler,
    DDPMScheduler,
    DDPMWuerstchenScheduler,
    DEISMultistepScheduler,
    DPMSolverMultistepInverseScheduler,
    DPMSolverMultistepScheduler,
    DPMSolverSinglestepScheduler,
    EDMDPMSolverMultistepScheduler,
    EDMEulerScheduler,
    EulerAncestralDiscreteScheduler,
    EulerDiscreteScheduler,
    FlaxDDIMScheduler,
    FlaxDDPMScheduler,
    FlaxDPMSolverMultistepScheduler,
    FlaxEulerDiscreteScheduler,
    FlaxKarrasDiffusionSchedulers,
    FlaxKarrasVeScheduler,
    FlaxLMSDiscreteScheduler,
    FlaxPNDMScheduler,
    FlaxSchedulerMixin,
    FlaxSchedulerOutput,
    FlaxScoreSdeVeScheduler,
    FlowMatchEulerDiscreteScheduler,
    FlowMatchHeunDiscreteScheduler,
    FlowMatchLCMScheduler,
    HeunDiscreteScheduler,
    IPNDMScheduler,
    KarrasDiffusionSchedulers,
    KarrasVeScheduler,
    KDPM2AncestralDiscreteScheduler,
    KDPM2DiscreteScheduler,
    LCMScheduler,
    LMSDiscreteScheduler,
    PNDMScheduler,
    RePaintScheduler,
    SASolverScheduler,
    SchedulerMixin,
```

```
SCMScheduler,  
ScoreSdeVeScheduler,  
ScoreSdeVpScheduler,  
TCDScheduler,  
UnCLIPScheduler,  
UniPCMultistepScheduler,  
VQDiffusionScheduler
```

```
]
```

Functions

```
[  
    broadcast_to_shape_from_left  
]
```

Sentinels / Constants / Objects

```
[  
    AysSchedules  
]
```

Import statements

```
from diffusers.schedulers import AmusedScheduler  
from diffusers.schedulers import CMStochasticIterativeScheduler  
from diffusers.schedulers import CogVideoXDDIMScheduler  
from diffusers.schedulers import CogVideoXDPMScheduler  
from diffusers.schedulers import ConsistencyDecoderScheduler  
from diffusers.schedulers import DDIMInverseScheduler  
from diffusers.schedulers import DDIMParallelScheduler  
from diffusers.schedulers import DDIMScheduler  
from diffusers.schedulers import DDPMPParallelScheduler  
from diffusers.schedulers import DDPMScheduler  
from diffusers.schedulers import DDPMWuerstchenScheduler  
from diffusers.schedulers import DEISMultistepScheduler  
from diffusers.schedulers import DPMSolverMultistepInverseScheduler  
from diffusers.schedulers import DPMSolverMultistepScheduler  
from diffusers.schedulers import DPMSolverSinglestepScheduler  
from diffusers.schedulers import EDMDPMSolverMultistepScheduler  
from diffusers.schedulers import EDMEulerScheduler  
from diffusers.schedulers import EulerAncestralDiscreteScheduler  
from diffusers.schedulers import EulerDiscreteScheduler  
from diffusers.schedulers import FlaxDDIMScheduler  
from diffusers.schedulers import FlaxDDPMScheduler  
from diffusers.schedulers import FlaxDPMSolverMultistepScheduler  
from diffusers.schedulers import FlaxEulerDiscreteScheduler  
from diffusers.schedulers import FlaxKarrasDiffusionSchedulers  
from diffusers.schedulers import FlaxKarrasVeScheduler  
from diffusers.schedulers import FlaxLMSDiscreteScheduler  
from diffusers.schedulers import FlaxPNDScheduler  
from diffusers.schedulers import FlaxSchedulerMixin  
from diffusers.schedulers import FlaxSchedulerOutput  
from diffusers.schedulers import FlaxScoreSdeVeScheduler  
from diffusers.schedulers import FlowMatchEulerDiscreteScheduler  
from diffusers.schedulers import FlowMatchHeunDiscreteScheduler  
from diffusers.schedulers import FlowMatchLCMScheduler  
from diffusers.schedulers import HeunDiscreteScheduler  
from diffusers.schedulers import IPNDScheduler  
from diffusers.schedulers import KarrasDiffusionSchedulers  
from diffusers.schedulers import KarrasVeScheduler  
from diffusers.schedulers import KDPM2AncestralDiscreteScheduler  
from diffusers.schedulers import KDPM2DiscreteScheduler  
from diffusers.schedulers import LCMScheduler  
from diffusers.schedulers import LMSDiscreteScheduler  
from diffusers.schedulers import PNDScheduler  
from diffusers.schedulers import RePaintScheduler  
from diffusers.schedulers import SASolverScheduler  
from diffusers.schedulers import SchedulerMixin
```

```

from diffusers.schedulers import SCMScheduler
from diffusers.schedulers import ScoreSdeVeScheduler
from diffusers.schedulers import ScoreSdeVpScheduler
from diffusers.schedulers import TCDScheduler
from diffusers.schedulers import UnCLIPScheduler
from diffusers.schedulers import UniPCMultistepScheduler
from diffusers.schedulers import VQDiffusionScheduler

# Functions
from diffusers.schedulers import broadcast_to_shape_from_left

# Sentinels / Constants / Objects
from diffusers.schedulers import AysSchedules

```

diffusers.training_utils

Classes

```

[
    Any,
    DiffusionPipeline,
    EMAModel,
    SchedulerMixin,
    UNet2DConditionModel
]

```

Functions

```

[
    cast_training_params,
    compute_density_for_timestep_sampling,
    compute_dream_and_update_latents,
    compute_loss_weighting_for_sd3,
    compute_snr,
    contextmanager,
    convert_state_dict_to_diffusers,
    convert_state_dict_to_peft,
    deprecate,
    find_nearest_bucket,
    free_memory,
    is_peft_available,
    is_torch_npu_available,
    is_torchvision_available,
    is_transformers_available,
    offload_models,
    parse_buckets_string,
    resolve_interpolation_mode,
    set_peft_model_state_dict,
    set_seed,
    unet_lora_state_dict
]

```

Sentinels / Constants / Objects

```

[
    Dict,
    Iterable,
    List,
    Optional,
    Tuple,
    Union
]

```

Import statements

```

from diffusers.training_utils import Any
from diffusers.training_utils import DiffusionPipeline
from diffusers.training_utils import EMAModel
from diffusers.training_utils import SchedulerMixin

```

```

from diffusers.training_utils import UNet2DConditionModel

# Functions
from diffusers.training_utils import cast_training_params
from diffusers.training_utils import compute_density_for_timestep_sampling
from diffusers.training_utils import compute_dream_and_update_latents
from diffusers.training_utils import compute_loss_weighting_for_sd3
from diffusers.training_utils import compute_snr
from diffusers.training_utils import contextmanager
from diffusers.training_utils import convert_state_dict_to_diffusers
from diffusers.training_utils import convert_state_dict_to_peft
from diffusers.training_utils import deprecate
from diffusers.training_utils import find_nearest_bucket
from diffusers.training_utils import free_memory
from diffusers.training_utils import is_peft_available
from diffusers.training_utils import is_torch_npu_available
from diffusers.training_utils import is_torchvision_available
from diffusers.training_utils import is_transformers_available
from diffusers.training_utils import offload_models
from diffusers.training_utils import parse_buckets_string
from diffusers.training_utils import resolve_interpolation_mode
from diffusers.training_utils import set_peft_model_state_dict
from diffusers.training_utils import set_seed
from diffusers.training_utils import unet_lora_state_dict

# Sentinels / Constants / Objects
from diffusers.training_utils import Dict
from diffusers.training_utils import Iterable
from diffusers.training_utils import List
from diffusers.training_utils import Optional
from diffusers.training_utils import Tuple
from diffusers.training_utils import Union

```

diffusers.utils

Classes

```

[
    BaseOutput,
    DummyObject,
    OptionalDependencyNotAvailable,
    PushToHubMixin
]

```

Functions

```

[
    check_min_version,
    check_peft_version,
    convert_all_state_dict_to_peft,
    convert_state_dict_to_diffusers,
    convert_state_dict_to_kohya,
    convert_state_dict_to_peft,
    convert_unet_state_dict_to_peft,
    delete_adapter_layers,
    deprecate,
    export_to_gif,
    export_to_obj,
    export_to_ply,
    export_to_video,
    extract_commit_hash,
    get_adapter_name,
    get_class_from_dynamic_module,
    get_logger,
    get_module_from_name,

```


get_objects_from_module,
get_peft_kwargs,
get_submodule_by_name,
http_user_agent,
is_accelerate_available,
is_accelerate_version,
is_better_profanity_available,
is_bitsandbytes_available,
is_bitsandbytes_version,
is_bs4_available,
is_cosmos_guardrail_available,
is_flash_attn_3_available,
is_flash_attn_available,
is_flash_attn_version,
is_flax_available,
is_ftfy_available,
is_gguf_available,
is_gguf_version,
is_google_colab,
is_hf_hub_version,
is_hpu_available,
is_inflect_available,
is_invisible_watermark_available,
is_k_diffusion_available,
is_k_diffusion_version,
is_kernels_available,
is_kornia_available,
is_librosa_available,
is_matplotlib_available,
is_nltk_available,
is_note_seq_available,
is_onnx_available,
is_opencv_available,
is_optimum_quanto_available,
is_optimum_quanto_version,
is_peft_available,
is_peft_version,
is_pytorch_retinaface_available,
is_safetensors_available,
is_sageattention_available,
is_sageattention_version,
is_scipy_available,
is_sentencepiece_available,
is_tensorboard_available,
is_timm_available,
is_torch_available,
is_torch_npu_available,
is_torch_version,
is_torch_xla_available,
is_torch_xla_version,
is_torchao_available,
is_torchao_version,
is_torchsde_available,
is_torchvision_available,
is_transformers_available,
is_transformers_version,
is_unidecode_available,
is_wandb_available,
is_xformers_available,
is_xformers_version,
load_image,
load_video,

```

make_image_grid,
numpy_to_pil,
pt_to_pil,
recurse_remove_peft_layers,
remote_decode,
replace_example_docstring,
requires_backends,
scale_lora_layers,
set_adapter_layers,
set_weights_and_activate_adapters,
state_dict_all_zero,
unscale_lora_layers
]

```

Sentinels / Constants / Objects

```

[
    BACKENDS_MAPPING,
    CONFIG_NAME,
    DEFAULT_HF_PARALLEL_LOADING_WORKERS,
    DEPRECATED_REVISION_ARGS,
    DIFFUSERS_DYNAMIC_MODULE_NAME,
    DIFFUSERS_SLOW_IMPORT,
    ENV_VARS_TRUE_AND_AUTO_VALUES,
    ENV_VARS_TRUE_VALUES,
    FLAX_WEIGHTS_NAME,
    GGUF_FILE_EXTENSION,
    HF_ENABLE_PARALLEL_LOADING,
    HF_MODULES_CACHE,
    HUGGINGFACE_CO_RESOLVE_ENDPOINT,
    logger,
    MIN_PEFT_VERSION,
    ONNX_EXTERNAL_WEIGHTS_NAME,
    ONNX_WEIGHTS_NAME,
    PIL_INTERPOLATION,
    SAFE_WEIGHTS_INDEX_NAME,
    SAFETENSORS_FILE_EXTENSION,
    SAFETENSORS_WEIGHTS_NAME,
    USE_JAX,
    USE_PEFT_BACKEND,
    USE_TF,
    USE_TORCH,
    WEIGHTS_INDEX_NAME,
    WEIGHTS_NAME
]

```

Import statements

```

from diffusers.utils import BaseOutput
from diffusers.utils import DummyObject
from diffusers.utils import OptionalDependencyNotAvailable
from diffusers.utils import PushToHubMixin

```

Functions

```

from diffusers.utils import check_min_version
from diffusers.utils import check_peft_version
from diffusers.utils import convert_all_state_dict_to_peft
from diffusers.utils import convert_state_dict_to_diffusers
from diffusers.utils import convert_state_dict_to_kohya
from diffusers.utils import convert_state_dict_to_peft
from diffusers.utils import convert_unet_state_dict_to_peft
from diffusers.utils import delete_adapter_layers
from diffusers.utils import deprecate
from diffusers.utils import export_to_gif
from diffusers.utils import export_to_obj
from diffusers.utils import export_to_ply

```

```
from diffusers.utils import export_to_video
from diffusers.utils import extract_commit_hash
from diffusers.utils import get_adapter_name
from diffusers.utils import get_class_from_dynamic_module
from diffusers.utils import get_logger
from diffusers.utils import get_module_from_name
from diffusers.utils import get_objects_from_module
from diffusers.utils import get_peft_kwargs
from diffusers.utils import get_submodule_by_name
from diffusers.utils import http_user_agent
from diffusers.utils import is_accelerate_available
from diffusers.utils import is_accelerate_version
from diffusers.utils import is_better_profanity_available
from diffusers.utils import is_bitsandbytes_available
from diffusers.utils import is_bitsandbytes_version
from diffusers.utils import is_bs4_available
from diffusers.utils import is_cosmos_guardrail_available
from diffusers.utils import is_flash_attn_3_available
from diffusers.utils import is_flash_attn_available
from diffusers.utils import is_flash_attn_version
from diffusers.utils import is_flax_available
from diffusers.utils import is_ftfy_available
from diffusers.utils import is_gguf_available
from diffusers.utils import is_gguf_version
from diffusers.utils import is_google_colab
from diffusers.utils import is_hf_hub_version
from diffusers.utils import is_hpu_available
from diffusers.utils import is_inflect_available
from diffusers.utils import is_invisible_watermark_available
from diffusers.utils import is_k_diffusion_available
from diffusers.utils import is_k_diffusion_version
from diffusers.utils import is_kernels_available
from diffusers.utils import is_kornia_available
from diffusers.utils import is_librosa_available
from diffusers.utils import is_matplotlib_available
from diffusers.utils import is_nltk_available
from diffusers.utils import is_note_seq_available
from diffusers.utils import is_onnx_available
from diffusers.utils import is_opencv_available
from diffusers.utils import is_optimum_quanto_available
from diffusers.utils import is_optimum_quanto_version
from diffusers.utils import is_peft_available
from diffusers.utils import is_peft_version
from diffusers.utils import is_pytorch_retinaface_available
from diffusers.utils import is_safetensors_available
from diffusers.utils import is_sageattention_available
from diffusers.utils import is_sageattention_version
from diffusers.utils import is_scipy_available
from diffusers.utils import is_sentencepiece_available
from diffusers.utils import is_tensorboard_available
from diffusers.utils import is_timm_available
from diffusers.utils import is_torch_available
from diffusers.utils import is_torch_npu_available
from diffusers.utils import is_torch_version
from diffusers.utils import is_torch_xla_available
from diffusers.utils import is_torch_xla_version
from diffusers.utils import is_torchao_available
from diffusers.utils import is_torchao_version
from diffusers.utils import is_torchsde_available
from diffusers.utils import is_torchvision_available
from diffusers.utils import is_transformers_available
from diffusers.utils import is_transformers_version
```

```

from diffusers.utils import is_unidecode_available
from diffusers.utils import is_wandb_available
from diffusers.utils import is_xformers_available
from diffusers.utils import is_xformers_version
from diffusers.utils import load_image
from diffusers.utils import load_video
from diffusers.utils import make_image_grid
from diffusers.utils import numpy_to_pil
from diffusers.utils import pt_to_pil
from diffusers.utils import recurse_remove_peft_layers
from diffusers.utils import remote_decode
from diffusers.utils import replace_example_docstring
from diffusers.utils import requires_backends
from diffusers.utils import scale_lora_layers
from diffusers.utils import set_adapter_layers
from diffusers.utils import set_weights_and_activate_adapters
from diffusers.utils import state_dict_all_zero
from diffusers.utils import unscale_lora_layers

# Sentinels / Constants / Objects
from diffusers.utils import BACKENDS_MAPPING
from diffusers.utils import CONFIG_NAME
from diffusers.utils import DEFAULT_HF_PARALLEL_LOADING_WORKERS
from diffusers.utils import DEPRECATED_REVISION_ARGS
from diffusers.utils import DIFFUSERS_DYNAMIC_MODULE_NAME
from diffusers.utils import DIFFUSERS_SLOW_IMPORT
from diffusers.utils import ENV_VARS_TRUE_AND_AUTO_VALUES
from diffusers.utils import ENV_VARS_TRUE_VALUES
from diffusers.utils import FLAX_WEIGHTS_NAME
from diffusers.utils import GGUF_FILE_EXTENSION
from diffusers.utils import HF_ENABLE_PARALLEL_LOADING
from diffusers.utils import HF_MODULES_CACHE
from diffusers.utils import HUGGINGFACE_CO_RESOLVE_ENDPOINT
from diffusers.utils import logger
from diffusers.utils import MIN_PEFT_VERSION
from diffusers.utils import ONNX_EXTERNAL_WEIGHTS_NAME
from diffusers.utils import ONNX_WEIGHTS_NAME
from diffusers.utils import PIL_INTERPOLATION
from diffusers.utils import SAFE_WEIGHTS_INDEX_NAME
from diffusers.utils import SAFETENSORS_FILE_EXTENSION
from diffusers.utils import SAFETENSORS_WEIGHTS_NAME
from diffusers.utils import USE_JAX
from diffusers.utils import USE_PEFT_BACKEND
from diffusers.utils import USE_TF
from diffusers.utils import USE_TORCH
from diffusers.utils import WEIGHTS_INDEX_NAME
from diffusers.utils import WEIGHTS_NAME

```

diffusers.video_processor

Classes

```

[
    VaeImageProcessor,
    VideoProcessor
]

```

Functions

```

[
    is_valid_image,
    is_valid_image_imagelist
]

```

Sentinels / Constants / Objects

```

[

```

```
List,  
Optional,  
Union  
]
```

Import statements

```
from diffusers.video_processor import VaeImageProcessor  
from diffusers.video_processor import VideoProcessor
```

Functions

```
from diffusers.video_processor import is_valid_image  
from diffusers.video_processor import is_valid_image_imagelist
```

Sentinels / Constants / Objects

```
from diffusers.video_processor import List  
from diffusers.video_processor import Optional  
from diffusers.video_processor import Union
```

Distribution: huggingface_hub

Total public modules: 21

huggingface_hub

Classes

```
[
    Agent,
    AsyncInferenceClient,
    AudioClassificationInput,
    AudioClassificationOutputElement,
    AudioClassificationParameters,
    AudioToAudioInput,
    AudioToAudioOutputElement,
    AutomaticSpeechRecognitionGenerationParameters,
    AutomaticSpeechRecognitionInput,
    AutomaticSpeechRecognitionOutput,
    AutomaticSpeechRecognitionOutputChunk,
    AutomaticSpeechRecognitionParameters,
    CachedFileInfo,
    CachedRepoInfo,
    CachedRevisionInfo,
    CacheNotFound,
    CardData,
    ChatCompletionInput,
    ChatCompletionInputFunctionDefinition,
    ChatCompletionInputFunctionName,
    ChatCompletionInputJSONSchema,
    ChatCompletionInputMessage,
    ChatCompletionInputMessageChunk,
    ChatCompletionInputResponseFormatJSONObject,
    ChatCompletionInputResponseFormatJSONSchema,
    ChatCompletionInputResponseFormatText,
    ChatCompletionInputStreamOptions,
    ChatCompletionInputTool,
    ChatCompletionInputToolCall,
    ChatCompletionInputToolChoiceClass,
    ChatCompletionInputURL,
    ChatCompletionOutput,
    ChatCompletionOutputComplete,
    ChatCompletionOutputFunctionDefinition,
    ChatCompletionOutputLogprob,
    ChatCompletionOutputLogprobs,
    ChatCompletionOutputMessage,
    ChatCompletionOutputToolCall,
    ChatCompletionOutputTopLogprob,
    ChatCompletionOutputUsage,
    ChatCompletionStreamOutput,
    ChatCompletionStreamOutputChoice,
    ChatCompletionStreamOutputDelta,
    ChatCompletionStreamOutputDeltaToolCall,
    ChatCompletionStreamOutputFunction,
    ChatCompletionStreamOutputLogprob,
    ChatCompletionStreamOutputLogprobs,
    ChatCompletionStreamOutputTopLogprob,
    ChatCompletionStreamOutputUsage,
    Collection,
    CollectionItem,
    CommitInfo,
    CommitOperationAdd,
    CommitOperationCopy,
```

CommitOperationDelete,
CommitScheduler,
CorruptedCacheException,
DatasetCard,
DatasetCardData,
DatasetInfo,
DDUFEntry,
DeleteCacheStrategy,
DepthEstimationInput,
DepthEstimationOutput,
Discussion,
DiscussionComment,
DiscussionCommit,
DiscussionEvent,
DiscussionStatusChange,
DiscussionTitleChange,
DiscussionWithDetails,
DocumentQuestionAnsweringInput,
DocumentQuestionAnsweringInputData,
DocumentQuestionAnsweringOutputElement,
DocumentQuestionAnsweringParameters,
EvalResult,
FeatureExtractionInput,
FillMaskInput,
FillMaskOutputElement,
FillMaskParameters,
GitCommitInfo,
GitRefInfo,
GitRefs,
HfApi,
HFCacheInfo,
HfFileMetadata,
HfFileSystem,
HfFileSystemFile,
HfFileSystemResolvedPath,
HfFileSystemServiceFile,
HfFolder,
HFSummaryWriter,
ImageClassificationInput,
ImageClassificationOutputElement,
ImageClassificationParameters,
ImageSegmentationInput,
ImageSegmentationOutputElement,
ImageSegmentationParameters,
ImageToImageInput,
ImageToImageOutput,
ImageToImageParameters,
ImageToImageTargetSize,
ImageToTextGenerationParameters,
ImageToTextInput,
ImageToTextOutput,
ImageToTextParameters,
ImageToVideoInput,
ImageToVideoOutput,
ImageToVideoParameters,
ImageToVideoTargetSize,
InferenceApi,
InferenceClient,
InferenceEndpoint,
InferenceEndpointError,
InferenceEndpointStatus,
InferenceEndpointTimeoutError,

InferenceEndpointType,
InferenceTimeoutError,
JobInfo,
JobOwner,
JobStage,
JobStatus,
KerasModelHubMixin,
MCPClient,
ModelCard,
ModelCardData,
ModelHubMixin,
ModelInfo,
OAuthInfo,
OAuthOrgInfo,
OAuthUserInfo,
ObjectDetectionBoundingBox,
ObjectDetectionInput,
ObjectDetectionOutputElement,
ObjectDetectionParameters,
PyTorchModelHubMixin,
QuestionAnsweringInput,
QuestionAnsweringInputData,
QuestionAnsweringOutputElement,
QuestionAnsweringParameters,
RepoCard,
Repository,
RepoUrl,
SentenceSimilarityInput,
SentenceSimilarityInputData,
SpaceCard,
SpaceCardData,
SpaceHardware,
SpaceInfo,
SpaceRuntime,
SpaceStage,
SpaceStorage,
SpaceVariable,
StateDictSplit,
SummarizationInput,
SummarizationOutput,
SummarizationParameters,
TableQuestionAnsweringInput,
TableQuestionAnsweringInputData,
TableQuestionAnsweringOutputElement,
TableQuestionAnsweringParameters,
Text2TextGenerationInput,
Text2TextGenerationOutput,
Text2TextGenerationParameters,
TextClassificationInput,
TextClassificationOutputElement,
TextClassificationParameters,
TextGenerationInput,
TextGenerationInputGenerateParameters,
TextGenerationInputGrammarType,
TextGenerationOutput,
TextGenerationOutputBestOfSequence,
TextGenerationOutputDetails,
TextGenerationOutputPrefillToken,
TextGenerationOutputToken,
TextGenerationStreamOutput,
TextGenerationStreamOutputStreamDetails,
TextGenerationStreamOutputToken,


```

TextToAudioGenerationParameters,
TextToAudioInput,
TextToAudioOutput,
TextToAudioParameters,
TextToImageInput,
TextToImageOutput,
TextToImageParameters,
TextToSpeechGenerationParameters,
TextToSpeechInput,
TextToSpeechOutput,
TextToSpeechParameters,
TextToVideoInput,
TextToVideoOutput,
TextToVideoParameters,
TokenClassificationInput,
TokenClassificationOutputElement,
TokenClassificationParameters,
TranslationInput,
TranslationOutput,
TranslationParameters,
User,
UserLikes,
VideoClassificationInput,
VideoClassificationOutputElement,
VideoClassificationParameters,
VisualQuestionAnsweringInput,
VisualQuestionAnsweringInputData,
VisualQuestionAnsweringOutputElement,
VisualQuestionAnsweringParameters,
WebhookInfo,
WebhookPayload,
WebhookPayloadComment,
WebhookPayloadDiscussion,
WebhookPayloadDiscussionChanges,
WebhookPayloadEvent,
WebhookPayloadMovedTo,
WebhookPayloadRepo,
WebhookPayloadUrl,
WebhookPayloadWebhook,
WebhookWatchedItem,
ZeroShotClassificationInput,
ZeroShotClassificationOutputElement,
ZeroShotClassificationParameters,
ZeroShotImageClassificationInput,
ZeroShotImageClassificationOutputElement,
ZeroShotImageClassificationParameters,
ZeroShotObjectDetectionBoundingBox,
ZeroShotObjectDetectionInput,
ZeroShotObjectDetectionOutputElement,
ZeroShotObjectDetectionParameters
]

```

Functions

```

[
  accept_access_request,
  add_collection_item,
  add_space_secret,
  add_space_variable,
  attach_huggingface_oauth,
  auth_check,
  auth_list,
  auth_switch,
  cached_assets_path,

```

cancel_access_request,
cancel_job,
change_discussion_status,
comment_discussion,
configure_http_backend,
create_branch,
create_collection,
create_commit,
create_discussion,
create_inference_endpoint,
create_inference_endpoint_from_catalog,
create_pull_request,
create_repo,
create_tag,
create_webhook,
dataset_info,
delete_branch,
delete_collection,
delete_collection_item,
delete_file,
delete_folder,
delete_inference_endpoint,
delete_repo,
delete_space_secret,
delete_space_storage,
delete_space_variable,
delete_tag,
delete_webhook,
disable_webhook,
dump_environment_info,
duplicate_space,
edit_discussion_comment,
enable_webhook,
export_entries_as_dduf,
export_folder_as_dduf,
fetch_job_logs,
file_exists,
from_pretrained_fastai,
from_pretrained_keras,
get_collection,
get_dataset_tags,
get_discussion_details,
get_full_repo_name,
get_hf_file_metadata,
get_inference_endpoint,
get_model_tags,
get_paths_info,
get_repo_discussions,
get_safetensors_metadata,
get_session,
get_space_runtime,
get_space_variables,
get_tf_storage_size,
get_token,
get_token_permission,
get_torch_storage_id,
get_torch_storage_size,
get_user_overview,
get_webhook,
grant_access,
hf_hub_download,
hf_hub_url,

inspect_job,
interpreter_login,
list_accepted_access_requests,
list_collections,
list_datasets,
list_inference_catalog,
list_inference_endpoints,
list_jobs,
list_lfs_files,
list_liked_repos,
list_models,
list_organization_members,
list_papers,
list_pending_access_requests,
list_rejected_access_requests,
list_repo_commits,
list_repo_files,
list_repo_likers,
list_repo_refs,
list_repo_tree,
list_spaces,
list_user_followers,
list_user_following,
list_webhooks,
load_state_dict_from_file,
load_torch_model,
login,
logout,
merge_pull_request,
metadata_eval_result,
metadata_load,
metadata_save,
metadata_update,
model_info,
move_repo,
notebook_login,
paper_info,
parse_huggingface_oauth,
parse_safetensors_file_metadata,
pause_inference_endpoint,
pause_space,
permanently_delete_lfs_files,
preupload_lfs_files,
push_to_hub_fastai,
push_to_hub_keras,
read_dduf_file,
reject_access_request,
rename_discussion,
repo_exists,
repo_info,
repo_type_and_id_from_hf_id,
request_space_hardware,
request_space_storage,
restart_space,
resume_inference_endpoint,
revision_exists,
run_as_future,
run_job,
run_uv_job,
save_pretrained_keras,
save_torch_model,
save_torch_state_dict,

```

scale_to_zero_inference_endpoint,
scan_cache_dir,
set_space_sleep_time,
snapshot_download,
space_info,
split_state_dict_into_shards_factory,
split_tf_state_dict_into_shards,
split_torch_state_dict_into_shards,
super_squash_history,
try_to_load_from_cache,
unlike,
update_collection_item,
update_collection_metadata,
update_inference_endpoint,
update_repo_settings,
update_repo_visibility,
update_webhook,
upload_file,
upload_folder,
upload_large_folder,
webhook_endpoint,
WebhooksServer,
whoami
]

```

Sentinels / Constants / Objects

```

[
    AudioClassificationOutputTransform,
    AutomaticSpeechRecognitionEarlyStoppingEnum,
    ChatCompletionInputGrammarType,
    ChatCompletionInputMessageChunkType,
    ChatCompletionInputToolChoiceEnum,
    CommitOperation,
    CONFIG_NAME,
    FeatureExtractionInputTruncationDirection,
    FLAX_WEIGHTS_NAME,
    HUGGINGFACE_CO_URL_HOME,
    HUGGINGFACE_CO_URL_TEMPLATE,
    ImageClassificationOutputTransform,
    ImageSegmentationSubtask,
    ImageToTextEarlyStoppingEnum,
    Padding,
    PYTORCH_WEIGHTS_NAME,
    REPO_TYPE_DATASET,
    REPO_TYPE_MODEL,
    REPO_TYPE_SPACE,
    SummarizationTruncationStrategy,
    Text2TextGenerationTruncationStrategy,
    TextClassificationOutputTransform,
    TextGenerationOutputFinishReason,
    TextToAudioEarlyStoppingEnum,
    TextToSpeechEarlyStoppingEnum,
    TF2_WEIGHTS_NAME,
    TF_WEIGHTS_NAME,
    TokenClassificationAggregationStrategy,
    TranslationTruncationStrategy,
    TypeEnum,
    VideoClassificationOutputTransform
]

```

Import statements

```

from huggingface_hub import Agent
from huggingface_hub import AsyncInferenceClient
from huggingface_hub import AudioClassificationInput

```

```
from huggingface_hub import AudioClassificationOutputElement
from huggingface_hub import AudioClassificationParameters
from huggingface_hub import AudioToAudioInput
from huggingface_hub import AudioToAudioOutputElement
from huggingface_hub import AutomaticSpeechRecognitionGenerationParameters
from huggingface_hub import AutomaticSpeechRecognitionInput
from huggingface_hub import AutomaticSpeechRecognitionOutput
from huggingface_hub import AutomaticSpeechRecognitionOutputChunk
from huggingface_hub import AutomaticSpeechRecognitionParameters
from huggingface_hub import CachedFileInfo
from huggingface_hub import CachedRepoInfo
from huggingface_hub import CachedRevisionInfo
from huggingface_hub import CacheNotFound
from huggingface_hub import CardData
from huggingface_hub import ChatCompletionInput
from huggingface_hub import ChatCompletionInputFunctionDefinition
from huggingface_hub import ChatCompletionInputFunctionName
from huggingface_hub import ChatCompletionInputJSONSchema
from huggingface_hub import ChatCompletionInputMessage
from huggingface_hub import ChatCompletionInputMessageChunk
from huggingface_hub import ChatCompletionInputResponseFormatJSONObject
from huggingface_hub import ChatCompletionInputResponseFormatJSONSchema
from huggingface_hub import ChatCompletionInputResponseFormatText
from huggingface_hub import ChatCompletionInputStreamOptions
from huggingface_hub import ChatCompletionInputTool
from huggingface_hub import ChatCompletionInputToolCall
from huggingface_hub import ChatCompletionInputToolChoiceClass
from huggingface_hub import ChatCompletionInputURL
from huggingface_hub import ChatCompletionOutput
from huggingface_hub import ChatCompletionOutputComplete
from huggingface_hub import ChatCompletionOutputFunctionDefinition
from huggingface_hub import ChatCompletionOutputLogprob
from huggingface_hub import ChatCompletionOutputLogprobs
from huggingface_hub import ChatCompletionOutputMessage
from huggingface_hub import ChatCompletionOutputToolCall
from huggingface_hub import ChatCompletionOutputTopLogprob
from huggingface_hub import ChatCompletionOutputUsage
from huggingface_hub import ChatCompletionStreamOutput
from huggingface_hub import ChatCompletionStreamOutputChoice
from huggingface_hub import ChatCompletionStreamOutputDelta
from huggingface_hub import ChatCompletionStreamOutputDeltaToolCall
from huggingface_hub import ChatCompletionStreamOutputFunction
from huggingface_hub import ChatCompletionStreamOutputLogprob
from huggingface_hub import ChatCompletionStreamOutputLogprobs
from huggingface_hub import ChatCompletionStreamOutputTopLogprob
from huggingface_hub import ChatCompletionStreamOutputUsage
from huggingface_hub import Collection
from huggingface_hub import CollectionItem
from huggingface_hub import CommitInfo
from huggingface_hub import CommitOperationAdd
from huggingface_hub import CommitOperationCopy
from huggingface_hub import CommitOperationDelete
from huggingface_hub import CommitScheduler
from huggingface_hub import CorruptedCacheException
from huggingface_hub import DatasetCard
from huggingface_hub import DatasetCardData
from huggingface_hub import DatasetInfo
from huggingface_hub import DDUFEntry
from huggingface_hub import DeleteCacheStrategy
from huggingface_hub import DepthEstimationInput
from huggingface_hub import DepthEstimationOutput
from huggingface_hub import Discussion
```

```
from huggingface_hub import DiscussionComment
from huggingface_hub import DiscussionCommit
from huggingface_hub import DiscussionEvent
from huggingface_hub import DiscussionStatusChange
from huggingface_hub import DiscussionTitleChange
from huggingface_hub import DiscussionWithDetails
from huggingface_hub import DocumentQuestionAnsweringInput
from huggingface_hub import DocumentQuestionAnsweringInputData
from huggingface_hub import DocumentQuestionAnsweringOutputElement
from huggingface_hub import DocumentQuestionAnsweringParameters
from huggingface_hub import EvalResult
from huggingface_hub import FeatureExtractionInput
from huggingface_hub import FillMaskInput
from huggingface_hub import FillMaskOutputElement
from huggingface_hub import FillMaskParameters
from huggingface_hub import GitCommitInfo
from huggingface_hub import GitRefInfo
from huggingface_hub import GitRefs
from huggingface_hub import HfApi
from huggingface_hub import HFCacheInfo
from huggingface_hub import HfFileMetadata
from huggingface_hub import HfFileSystem
from huggingface_hub import HfFileSystemFile
from huggingface_hub import HfFileSystemResolvedPath
from huggingface_hub import HfFileSystemStreamFile
from huggingface_hub import HfFolder
from huggingface_hub import HFSummaryWriter
from huggingface_hub import ImageClassificationInput
from huggingface_hub import ImageClassificationOutputElement
from huggingface_hub import ImageClassificationParameters
from huggingface_hub import ImageSegmentationInput
from huggingface_hub import ImageSegmentationOutputElement
from huggingface_hub import ImageSegmentationParameters
from huggingface_hub import ImageToImageInput
from huggingface_hub import ImageToImageOutput
from huggingface_hub import ImageToImageParameters
from huggingface_hub import ImageToImageTargetSize
from huggingface_hub import ImageToTextGenerationParameters
from huggingface_hub import ImageToTextInput
from huggingface_hub import ImageToTextOutput
from huggingface_hub import ImageToTextParameters
from huggingface_hub import ImageToVideoInput
from huggingface_hub import ImageToVideoOutput
from huggingface_hub import ImageToVideoParameters
from huggingface_hub import ImageToVideoTargetSize
from huggingface_hub import InferenceApi
from huggingface_hub import InferenceClient
from huggingface_hub import InferenceEndpoint
from huggingface_hub import InferenceEndpointError
from huggingface_hub import InferenceEndpointStatus
from huggingface_hub import InferenceEndpointTimeoutError
from huggingface_hub import InferenceEndpointType
from huggingface_hub import InferenceTimeoutError
from huggingface_hub import JobInfo
from huggingface_hub import JobOwner
from huggingface_hub import JobStage
from huggingface_hub import JobStatus
from huggingface_hub import KerasModelHubMixin
from huggingface_hub import MCPClient
from huggingface_hub import ModelCard
from huggingface_hub import ModelCardData
from huggingface_hub import ModelHubMixin
```

```
from huggingface_hub import ModelInfo
from huggingface_hub import OAuthInfo
from huggingface_hub import OAuthOrgInfo
from huggingface_hub import OAuthUserInfo
from huggingface_hub import ObjectDetectionBoundingBox
from huggingface_hub import ObjectDetectionInput
from huggingface_hub import ObjectDetectionOutputElement
from huggingface_hub import ObjectDetectionParameters
from huggingface_hub import PyTorchModelHubMixin
from huggingface_hub import QuestionAnsweringInput
from huggingface_hub import QuestionAnsweringInputData
from huggingface_hub import QuestionAnsweringOutputElement
from huggingface_hub import QuestionAnsweringParameters
from huggingface_hub import RepoCard
from huggingface_hub import Repository
from huggingface_hub import RepoUrl
from huggingface_hub import SentenceSimilarityInput
from huggingface_hub import SentenceSimilarityInputData
from huggingface_hub import SpaceCard
from huggingface_hub import SpaceCardData
from huggingface_hub import SpaceHardware
from huggingface_hub import SpaceInfo
from huggingface_hub import SpaceRuntime
from huggingface_hub import SpaceStage
from huggingface_hub import SpaceStorage
from huggingface_hub import SpaceVariable
from huggingface_hub import StateDictSplit
from huggingface_hub import SummarizationInput
from huggingface_hub import SummarizationOutput
from huggingface_hub import SummarizationParameters
from huggingface_hub import TableQuestionAnsweringInput
from huggingface_hub import TableQuestionAnsweringInputData
from huggingface_hub import TableQuestionAnsweringOutputElement
from huggingface_hub import TableQuestionAnsweringParameters
from huggingface_hub import Text2TextGenerationInput
from huggingface_hub import Text2TextGenerationOutput
from huggingface_hub import Text2TextGenerationParameters
from huggingface_hub import TextClassificationInput
from huggingface_hub import TextClassificationOutputElement
from huggingface_hub import TextClassificationParameters
from huggingface_hub import TextGenerationInput
from huggingface_hub import TextGenerationInputGenerateParameters
from huggingface_hub import TextGenerationInputGrammarType
from huggingface_hub import TextGenerationOutput
from huggingface_hub import TextGenerationOutputBestOfSequence
from huggingface_hub import TextGenerationOutputDetails
from huggingface_hub import TextGenerationOutputPrefillToken
from huggingface_hub import TextGenerationOutputToken
from huggingface_hub import TextGenerationStreamOutput
from huggingface_hub import TextGenerationStreamOutputStreamDetails
from huggingface_hub import TextGenerationStreamOutputToken
from huggingface_hub import TextToAudioGenerationParameters
from huggingface_hub import TextToAudioInput
from huggingface_hub import TextToAudioOutput
from huggingface_hub import TextToAudioParameters
from huggingface_hub import TextToImageInput
from huggingface_hub import TextToImageOutput
from huggingface_hub import TextToImageParameters
from huggingface_hub import TextToSpeechGenerationParameters
from huggingface_hub import TextToSpeechInput
from huggingface_hub import TextToSpeechOutput
from huggingface_hub import TextToSpeechParameters
```

```

from huggingface_hub import TextToVideoInput
from huggingface_hub import TextToVideoOutput
from huggingface_hub import TextToVideoParameters
from huggingface_hub import TokenClassificationInput
from huggingface_hub import TokenClassificationOutputElement
from huggingface_hub import TokenClassificationParameters
from huggingface_hub import TranslationInput
from huggingface_hub import TranslationOutput
from huggingface_hub import TranslationParameters
from huggingface_hub import User
from huggingface_hub import UserLikes
from huggingface_hub import VideoClassificationInput
from huggingface_hub import VideoClassificationOutputElement
from huggingface_hub import VideoClassificationParameters
from huggingface_hub import VisualQuestionAnsweringInput
from huggingface_hub import VisualQuestionAnsweringInputData
from huggingface_hub import VisualQuestionAnsweringOutputElement
from huggingface_hub import VisualQuestionAnsweringParameters
from huggingface_hub import WebhookInfo
from huggingface_hub import WebhookPayload
from huggingface_hub import WebhookPayloadComment
from huggingface_hub import WebhookPayloadDiscussion
from huggingface_hub import WebhookPayloadDiscussionChanges
from huggingface_hub import WebhookPayloadEvent
from huggingface_hub import WebhookPayloadMovedTo
from huggingface_hub import WebhookPayloadRepo
from huggingface_hub import WebhookPayloadUrl
from huggingface_hub import WebhookPayloadWebhook
from huggingface_hub import WebhookWatchedItem
from huggingface_hub import ZeroShotClassificationInput
from huggingface_hub import ZeroShotClassificationOutputElement
from huggingface_hub import ZeroShotClassificationParameters
from huggingface_hub import ZeroShotImageClassificationInput
from huggingface_hub import ZeroShotImageClassificationOutputElement
from huggingface_hub import ZeroShotImageClassificationParameters
from huggingface_hub import ZeroShotObjectDetectionBoundingBox
from huggingface_hub import ZeroShotObjectDetectionInput
from huggingface_hub import ZeroShotObjectDetectionOutputElement
from huggingface_hub import ZeroShotObjectDetectionParameters

# Functions
from huggingface_hub import accept_access_request
from huggingface_hub import add_collection_item
from huggingface_hub import add_space_secret
from huggingface_hub import add_space_variable
from huggingface_hub import attach_huggingface_oauth
from huggingface_hub import auth_check
from huggingface_hub import auth_list
from huggingface_hub import auth_switch
from huggingface_hub import cached_assets_path
from huggingface_hub import cancel_access_request
from huggingface_hub import cancel_job
from huggingface_hub import change_discussion_status
from huggingface_hub import comment_discussion
from huggingface_hub import configure_http_backend
from huggingface_hub import create_branch
from huggingface_hub import create_collection
from huggingface_hub import create_commit
from huggingface_hub import create_discussion
from huggingface_hub import create_inference_endpoint
from huggingface_hub import create_inference_endpoint_from_catalog
from huggingface_hub import create_pull_request

```



```
from huggingface_hub import create_repo
from huggingface_hub import create_tag
from huggingface_hub import create_webhook
from huggingface_hub import dataset_info
from huggingface_hub import delete_branch
from huggingface_hub import delete_collection
from huggingface_hub import delete_collection_item
from huggingface_hub import delete_file
from huggingface_hub import delete_folder
from huggingface_hub import delete_inference_endpoint
from huggingface_hub import delete_repo
from huggingface_hub import delete_space_secret
from huggingface_hub import delete_space_storage
from huggingface_hub import delete_space_variable
from huggingface_hub import delete_tag
from huggingface_hub import delete_webhook
from huggingface_hub import disable_webhook
from huggingface_hub import dump_environment_info
from huggingface_hub import duplicate_space
from huggingface_hub import edit_discussion_comment
from huggingface_hub import enable_webhook
from huggingface_hub import export_entries_as_dduf
from huggingface_hub import export_folder_as_dduf
from huggingface_hub import fetch_job_logs
from huggingface_hub import file_exists
from huggingface_hub import from_pretrained_fastai
from huggingface_hub import from_pretrained_keras
from huggingface_hub import get_collection
from huggingface_hub import get_dataset_tags
from huggingface_hub import get_discussion_details
from huggingface_hub import get_full_repo_name
from huggingface_hub import get_hf_file_metadata
from huggingface_hub import get_inference_endpoint
from huggingface_hub import get_model_tags
from huggingface_hub import get_paths_info
from huggingface_hub import get_repo_discussions
from huggingface_hub import get_safetensors_metadata
from huggingface_hub import get_session
from huggingface_hub import get_space_runtime
from huggingface_hub import get_space_variables
from huggingface_hub import get_tf_storage_size
from huggingface_hub import get_token
from huggingface_hub import get_token_permission
from huggingface_hub import get_torch_storage_id
from huggingface_hub import get_torch_storage_size
from huggingface_hub import get_user_overview
from huggingface_hub import get_webhook
from huggingface_hub import grant_access
from huggingface_hub import hf_hub_download
from huggingface_hub import hf_hub_url
from huggingface_hub import inspect_job
from huggingface_hub import interpreter_login
from huggingface_hub import list_accepted_access_requests
from huggingface_hub import list_collections
from huggingface_hub import list_datasets
from huggingface_hub import list_inference_catalog
from huggingface_hub import list_inference_endpoints
from huggingface_hub import list_jobs
from huggingface_hub import list_lfs_files
from huggingface_hub import list_liked_repos
from huggingface_hub import list_models
from huggingface_hub import list_organization_members
```

```
from huggingface_hub import list_papers
from huggingface_hub import list_pending_access_requests
from huggingface_hub import list_rejected_access_requests
from huggingface_hub import list_repo_commits
from huggingface_hub import list_repo_files
from huggingface_hub import list_repo_likers
from huggingface_hub import list_repo_refs
from huggingface_hub import list_repo_tree
from huggingface_hub import list_spaces
from huggingface_hub import list_user_followers
from huggingface_hub import list_user_following
from huggingface_hub import list_webhooks
from huggingface_hub import load_state_dict_from_file
from huggingface_hub import load_torch_model
from huggingface_hub import login
from huggingface_hub import logout
from huggingface_hub import merge_pull_request
from huggingface_hub import metadata_eval_result
from huggingface_hub import metadata_load
from huggingface_hub import metadata_save
from huggingface_hub import metadata_update
from huggingface_hub import model_info
from huggingface_hub import move_repo
from huggingface_hub import notebook_login
from huggingface_hub import paper_info
from huggingface_hub import parse_huggingface_oauth
from huggingface_hub import parse_safetensors_file_metadata
from huggingface_hub import pause_inference_endpoint
from huggingface_hub import pause_space
from huggingface_hub import permanently_delete_lfs_files
from huggingface_hub import preupload_lfs_files
from huggingface_hub import push_to_hub_fastai
from huggingface_hub import push_to_hub_keras
from huggingface_hub import read_dduf_file
from huggingface_hub import reject_access_request
from huggingface_hub import rename_discussion
from huggingface_hub import repo_exists
from huggingface_hub import repo_info
from huggingface_hub import repo_type_and_id_from_hf_id
from huggingface_hub import request_space_hardware
from huggingface_hub import request_space_storage
from huggingface_hub import restart_space
from huggingface_hub import resume_inference_endpoint
from huggingface_hub import revision_exists
from huggingface_hub import run_as_future
from huggingface_hub import run_job
from huggingface_hub import run_uv_job
from huggingface_hub import save_pretrained_keras
from huggingface_hub import save_torch_model
from huggingface_hub import save_torch_state_dict
from huggingface_hub import scale_to_zero_inference_endpoint
from huggingface_hub import scan_cache_dir
from huggingface_hub import set_space_sleep_time
from huggingface_hub import snapshot_download
from huggingface_hub import space_info
from huggingface_hub import split_state_dict_into_shards_factory
from huggingface_hub import split_tf_state_dict_into_shards
from huggingface_hub import split_torch_state_dict_into_shards
from huggingface_hub import super_squash_history
from huggingface_hub import try_to_load_from_cache
from huggingface_hub import unlike
from huggingface_hub import update_collection_item
```

```

from huggingface_hub import update_collection_metadata
from huggingface_hub import update_inference_endpoint
from huggingface_hub import update_repo_settings
from huggingface_hub import update_repo_visibility
from huggingface_hub import update_webhook
from huggingface_hub import upload_file
from huggingface_hub import upload_folder
from huggingface_hub import upload_large_folder
from huggingface_hub import webhook_endpoint
from huggingface_hub import WebhooksServer
from huggingface_hub import whoami

# Sentinels / Constants / Objects
from huggingface_hub import AudioClassificationOutputTransform
from huggingface_hub import AutomaticSpeechRecognitionEarlyStoppingEnum
from huggingface_hub import ChatCompletionInputGrammarType
from huggingface_hub import ChatCompletionInputMessageChunkType
from huggingface_hub import ChatCompletionInputToolChoiceEnum
from huggingface_hub import CommitOperation
from huggingface_hub import CONFIG_NAME
from huggingface_hub import FeatureExtractionInputTruncationDirection
from huggingface_hub import FLAX_WEIGHTS_NAME
from huggingface_hub import HUGGINGFACE_CO_URL_HOME
from huggingface_hub import HUGGINGFACE_CO_URL_TEMPLATE
from huggingface_hub import ImageClassificationOutputTransform
from huggingface_hub import ImageSegmentationSubtask
from huggingface_hub import ImageToTextEarlyStoppingEnum
from huggingface_hub import Padding
from huggingface_hub import PYTORCH_WEIGHTS_NAME
from huggingface_hub import REPO_TYPE_DATASET
from huggingface_hub import REPO_TYPE_MODEL
from huggingface_hub import REPO_TYPE_SPACE
from huggingface_hub import SummarizationTruncationStrategy
from huggingface_hub import Text2TextGenerationTruncationStrategy
from huggingface_hub import TextClassificationOutputTransform
from huggingface_hub import TextGenerationOutputFinishReason
from huggingface_hub import TextToAudioEarlyStoppingEnum
from huggingface_hub import TextToSpeechEarlyStoppingEnum
from huggingface_hub import TF2_WEIGHTS_NAME
from huggingface_hub import TF_WEIGHTS_NAME
from huggingface_hub import TokenClassificationAggregationStrategy
from huggingface_hub import TranslationTruncationStrategy
from huggingface_hub import TypeEnum
from huggingface_hub import VideoClassificationOutputTransform

```

huggingface_hub.cli

Classes

```

[
    ABC,
    BaseHuggingfaceCLICommand
]

```

Functions

```

[
    abstractmethod
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from huggingface_hub.cli import ABC
from huggingface_hub.cli import BaseHuggingfaceCLICommand
# Functions

```

```
from huggingface_hub.cli import abstractmethod
```

```
# Sentinels / Constants / Objects  
(none)
```

[huggingface_hub.commands](#)

Classes

```
[  
    ABC,  
    BaseHuggingfaceCLICommand  
]
```

Functions

```
[  
    abstractmethod  
]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from huggingface_hub.commands import ABC  
from huggingface_hub.commands import BaseHuggingfaceCLICommand
```

```
# Functions  
from huggingface_hub.commands import abstractmethod
```

```
# Sentinels / Constants / Objects  
(none)
```

[huggingface_hub.community](#)

Classes

```
[  
    datetime,  
    Discussion,  
    DiscussionComment,  
    DiscussionCommit,  
    DiscussionEvent,  
    DiscussionStatusChange,  
    DiscussionTitleChange,  
    DiscussionWithDetails  
]
```

Functions

```
[  
    dataclass,  
    deserialize_event,  
    parse_datetime  
]
```

Sentinels / Constants / Objects

```
[  
    DiscussionStatus,  
    List,  
    Literal,  
    Optional,  
    Union  
]
```

Import statements

```
from huggingface_hub.community import datetime  
from huggingface_hub.community import Discussion  
from huggingface_hub.community import DiscussionComment  
from huggingface_hub.community import DiscussionCommit  
from huggingface_hub.community import DiscussionEvent  
from huggingface_hub.community import DiscussionStatusChange
```

```

from huggingface_hub.community import DiscussionTitleChange
from huggingface_hub.community import DiscussionWithDetails

# Functions
from huggingface_hub.community import dataclass
from huggingface_hub.community import deserialize_event
from huggingface_hub.community import parse_datetime

# Sentinels / Constants / Objects
from huggingface_hub.community import DiscussionStatus
from huggingface_hub.community import List
from huggingface_hub.community import Literal
from huggingface_hub.community import Optional
from huggingface_hub.community import Union

```

huggingface_hub.constants

Classes

[]

Functions

[]

Sentinels / Constants / Objects

[

```

    ALL_INFERENCE_API_FRAMEWORKS,
    CONFIG_NAME,
    default_assets_cache_path,
    default_cache_path,
    DEFAULT_DOWNLOAD_TIMEOUT,
    DEFAULT_ETAG_TIMEOUT,
    default_home,
    DEFAULT_REQUEST_TIMEOUT,
    DEFAULT_REVISION,
    default_xet_cache_path,
    DISCUSSION_STATUS,
    DISCUSSION_TYPES,
    DiscussionStatusFilter,
    DiscussionTypeFilter,
    DOWNLOAD_CHUNK_SIZE,
    ENDPOINT,
    ENV_VARS_TRUE_AND_AUTO_VALUES,
    ENV_VARS_TRUE_VALUES,
    FILELOCK_LOG_EVERY_SECONDS,
    FLAX_WEIGHTS_NAME,
    HF_ASSETS_CACHE,
    hf_cache_home,
    HF_DEBUG,
    HF_HOME,
    HF_HUB_CACHE,
    HF_HUB_DISABLE_EXPERIMENTAL_WARNING,
    HF_HUB_DISABLE_IMPLICIT_TOKEN,
    HF_HUB_DISABLE_PROGRESS_BARS,
    HF_HUB_DISABLE_SYMLINKS_WARNING,
    HF_HUB_DISABLE_TELEMETRY,
    HF_HUB_DISABLE_XET,
    HF_HUB_DOWNLOAD_TIMEOUT,
    HF_HUB_ENABLE_HF_TRANSFER,
    HF_HUB_ETAG_TIMEOUT,
    HF_HUB_LOCAL_DIR_AUTO_SYMLINK_THRESHOLD,
    HF_HUB_OFFLINE,
    HF_HUB_USER_AGENT_ORIGIN,
    HF_STORED_TOKENS_PATH,
    HF_TOKEN_PATH,

```

```

HF_TRANSFER_CONCURRENCY,
HF_XET_CACHE,
HUGGINGFACE_ASSETS_CACHE,
HUGGINGFACE_CO_URL_HOME,
HUGGINGFACE_CO_URL_TEMPLATE,
HUGGINGFACE_HEADER_LINK_XET_AUTH_KEY,
HUGGINGFACE_HEADER_X_BILL_TO,
HUGGINGFACE_HEADER_X_LINKED_ETAG,
HUGGINGFACE_HEADER_X_LINKED_SIZE,
HUGGINGFACE_HEADER_X_REPO_COMMIT,
HUGGINGFACE_HEADER_X_XET_ACCESS_TOKEN,
HUGGINGFACE_HEADER_X_XET_ENDPOINT,
HUGGINGFACE_HEADER_X_XET_EXPIRATION,
HUGGINGFACE_HEADER_X_XET_HASH,
HUGGINGFACE_HEADER_X_XET_REFRESH_ROUTE,
HUGGINGFACE_HUB_CACHE,
INFERENCE_CATALOG_ENDPOINT,
INFERENCE_ENDPOINT,
INFERENCE_ENDPOINT_IMAGE_KEYS,
INFERENCE_ENDPOINTS_ENDPOINT,
INFERENCE_PROXY_TEMPLATE,
Literal,
MAIN_INFERENCE_API_FRAMEWORKS,
MAX_HTTP_DOWNLOAD_SIZE,
OAUTH_CLIENT_ID,
OAUTH_CLIENT_SECRET,
OAUTH_MAX_REDIRECTS,
OAUTH_SCOPES,
OPENID_PROVIDER_URL,
Optional,
PYTORCH_WEIGHTS_FILE_PATTERN,
PYTORCH_WEIGHTS_NAME,
REGEX_COMMIT_OID,
REPO_ID_SEPARATOR,
REPO_TYPE_DATASET,
REPO_TYPE_MODEL,
REPO_TYPE_SPACE,
REPO_TYPES,
REPO_TYPES_MAPPING,
REPO_TYPES_URL_PREFIXES,
REPOCARD_NAME,
SAFETENSORS_INDEX_FILE,
SAFETENSORS_MAX_HEADER_LENGTH,
SAFETENSORS_SINGLE_FILE,
SAFETENSORS_WEIGHTS_FILE_PATTERN,
SPACES_SDK_TYPES,
TF2_WEIGHTS_FILE_PATTERN,
TF2_WEIGHTS_NAME,
TF_WEIGHTS_NAME,
Tuple,
WEBHOOK_DOMAIN_T
]
Import statements
(none)

# Functions
(none)

# Sentinels / Constants / Objects
from huggingface_hub.constants import ALL_INFERENCE_API_FRAMEWORKS
from huggingface_hub.constants import CONFIG_NAME
from huggingface_hub.constants import default_assets_cache_path

```

```
from huggingface_hub.constants import default_cache_path
from huggingface_hub.constants import DEFAULT_DOWNLOAD_TIMEOUT
from huggingface_hub.constants import DEFAULT_ETAG_TIMEOUT
from huggingface_hub.constants import default_home
from huggingface_hub.constants import DEFAULT_REQUEST_TIMEOUT
from huggingface_hub.constants import DEFAULT_REVISION
from huggingface_hub.constants import default_xet_cache_path
from huggingface_hub.constants import DISCUSSION_STATUS
from huggingface_hub.constants import DISCUSSION_TYPES
from huggingface_hub.constants import DiscussionStatusFilter
from huggingface_hub.constants import DiscussionTypeFilter
from huggingface_hub.constants import DOWNLOAD_CHUNK_SIZE
from huggingface_hub.constants import ENDPOINT
from huggingface_hub.constants import ENV_VARS_TRUE_AND_AUTO_VALUES
from huggingface_hub.constants import ENV_VARS_TRUE_VALUES
from huggingface_hub.constants import FILELOCK_LOG_EVERY_SECONDS
from huggingface_hub.constants import FLAX_WEIGHTS_NAME
from huggingface_hub.constants import HF_ASSETS_CACHE
from huggingface_hub.constants import hf_cache_home
from huggingface_hub.constants import HF_DEBUG
from huggingface_hub.constants import HF_HOME
from huggingface_hub.constants import HF_HUB_CACHE
from huggingface_hub.constants import HF_HUB_DISABLE_EXPERIMENTAL_WARNING
from huggingface_hub.constants import HF_HUB_DISABLE_IMPLICIT_TOKEN
from huggingface_hub.constants import HF_HUB_DISABLE_PROGRESS_BARS
from huggingface_hub.constants import HF_HUB_DISABLE_SYMLINKS_WARNING
from huggingface_hub.constants import HF_HUB_DISABLE_TELEMETRY
from huggingface_hub.constants import HF_HUB_DISABLE_XET
from huggingface_hub.constants import HF_HUB_DOWNLOAD_TIMEOUT
from huggingface_hub.constants import HF_HUB_ENABLE_HF_TRANSFER
from huggingface_hub.constants import HF_HUB_ETAG_TIMEOUT
from huggingface_hub.constants import HF_HUB_LOCAL_DIR_AUTO_SYMLINK_THRESHOLD
from huggingface_hub.constants import HF_HUB_OFFLINE
from huggingface_hub.constants import HF_HUB_USER_AGENT_ORIGIN
from huggingface_hub.constants import HF_STORED_TOKENS_PATH
from huggingface_hub.constants import HF_TOKEN_PATH
from huggingface_hub.constants import HF_TRANSFER_CONCURRENCY
from huggingface_hub.constants import HF_XET_CACHE
from huggingface_hub.constants import HUGGINGFACE_ASSETS_CACHE
from huggingface_hub.constants import HUGGINGFACE_CO_URL_HOME
from huggingface_hub.constants import HUGGINGFACE_CO_URL_TEMPLATE
from huggingface_hub.constants import HUGGINGFACE_HEADER_LINK_XET_AUTH_KEY
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_BILL_TO
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_LINKED_ETAG
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_LINKED_SIZE
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_REPO_COMMIT
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_XET_ACCESS_TOKEN
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_XET_ENDPOINT
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_XET_EXPIRATION
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_XET_HASH
from huggingface_hub.constants import HUGGINGFACE_HEADER_X_XET_REFRESH_ROUTE
from huggingface_hub.constants import HUGGINGFACE_HUB_CACHE
from huggingface_hub.constants import INFERENCE_CATALOG_ENDPOINT
from huggingface_hub.constants import INFERENCE_ENDPOINT
from huggingface_hub.constants import INFERENCE_ENDPOINT_IMAGE_KEYS
from huggingface_hub.constants import INFERENCE_ENDPOINTS_ENDPOINT
from huggingface_hub.constants import INFERENCE_PROXY_TEMPLATE
from huggingface_hub.constants import Literal
from huggingface_hub.constants import MAIN_INFERENCE_API_FRAMEWORKS
from huggingface_hub.constants import MAX_HTTP_DOWNLOAD_SIZE
from huggingface_hub.constants import OAUTH_CLIENT_ID
from huggingface_hub.constants import OAUTH_CLIENT_SECRET
```

```

from huggingface_hub.constants import OAUTH_MAX_REDIRECTS
from huggingface_hub.constants import OAUTH_SCOPES
from huggingface_hub.constants import OPENID_PROVIDER_URL
from huggingface_hub.constants import Optional
from huggingface_hub.constants import PYTORCH_WEIGHTS_FILE_PATTERN
from huggingface_hub.constants import PYTORCH_WEIGHTS_NAME
from huggingface_hub.constants import REGEX_COMMIT_OID
from huggingface_hub.constants import REPO_ID_SEPARATOR
from huggingface_hub.constants import REPO_TYPE_DATASET
from huggingface_hub.constants import REPO_TYPE_MODEL
from huggingface_hub.constants import REPO_TYPE_SPACE
from huggingface_hub.constants import REPO_TYPES
from huggingface_hub.constants import REPO_TYPES_MAPPING
from huggingface_hub.constants import REPO_TYPES_URL_PREFIXES
from huggingface_hub.constants import REPOCARD_NAME
from huggingface_hub.constants import SAFETENSORS_INDEX_FILE
from huggingface_hub.constants import SAFETENSORS_MAX_HEADER_LENGTH
from huggingface_hub.constants import SAFETENSORS_SINGLE_FILE
from huggingface_hub.constants import SAFETENSORS_WEIGHTS_FILE_PATTERN
from huggingface_hub.constants import SPACES_SDK_TYPES
from huggingface_hub.constants import TF2_WEIGHTS_FILE_PATTERN
from huggingface_hub.constants import TF2_WEIGHTS_NAME
from huggingface_hub.constants import TF_WEIGHTS_NAME
from huggingface_hub.constants import Tuple
from huggingface_hub.constants import WEBHOOK_DOMAIN_T

```

huggingface_hub.dataclasses

Classes

```

[
    StrictDataclassClassValidationError,
    StrictDataclassDefinitionError,
    StrictDataclassFieldValidationError
]

```

Functions

```

[
    strict,
    validated_field
]

```

Sentinels / Constants / Objects

```

[
    Validator_T
]

```

Import statements

```

from huggingface_hub.dataclasses import StrictDataclassClassValidationError
from huggingface_hub.dataclasses import StrictDataclassDefinitionError
from huggingface_hub.dataclasses import StrictDataclassFieldValidationError

```

Functions

```

from huggingface_hub.dataclasses import strict
from huggingface_hub.dataclasses import validated_field

```

Sentinels / Constants / Objects

```

from huggingface_hub.dataclasses import Validator_T

```

huggingface_hub.errors

Classes

```

[
    BadRequestError,
    CacheNotFound,
    CorruptedCacheException,

```



```

DDUFCorruptedFileError,
DDUFError,
DDUFExportError,
DDUFInvalidEntryNameError,
DisabledRepoError,
EntryNotFoundError,
FileMetadataError,
GatedRepoError,
GenerationError,
HfHubHTTPError,
HFValidationError,
HTTPError,
IncompleteGenerationError,
InferenceEndpointError,
InferenceEndpointTimeoutError,
InferenceTimeoutError,
LocalEntryNotFoundError,
LocalTokenNotFoundError,
NotASafetensorsRepoError,
OfflineModeIsEnabled,
OverloadedError,
Path,
RepositoryNotFoundError,
Response,
RevisionNotFoundError,
SafetensorsParsingError,
StrictDataclassClassValidationError,
StrictDataclassDefinitionError,
StrictDataclassError,
StrictDataclassFieldValidationError,
TextGenerationError,
UnknownError,
ValidationError,
XetAuthorizationError,
XetDownloadError,
XetError,
XetRefreshTokenError

```

```
]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[
```

```

    Optional,
    Union

```

```
]
```

Import statements

```

from huggingface_hub.errors import BadRequestError
from huggingface_hub.errors import CacheNotFound
from huggingface_hub.errors import CorruptedCacheException
from huggingface_hub.errors import DDUFCorruptedFileError
from huggingface_hub.errors import DDUFError
from huggingface_hub.errors import DDUFExportError
from huggingface_hub.errors import DDUFInvalidEntryNameError
from huggingface_hub.errors import DisabledRepoError
from huggingface_hub.errors import EntryNotFoundError
from huggingface_hub.errors import FileMetadataError
from huggingface_hub.errors import GatedRepoError
from huggingface_hub.errors import GenerationError
from huggingface_hub.errors import HfHubHTTPError
from huggingface_hub.errors import HFValidationError
from huggingface_hub.errors import HTTPError
from huggingface_hub.errors import IncompleteGenerationError

```

```

from huggingface_hub.errors import InferenceEndpointError
from huggingface_hub.errors import InferenceEndpointTimeoutError
from huggingface_hub.errors import InferenceTimeoutError
from huggingface_hub.errors import LocalEntryNotFoundError
from huggingface_hub.errors import LocalTokenNotFoundError
from huggingface_hub.errors import NotASafetensorsRepoError
from huggingface_hub.errors import OfflineModeIsEnabled
from huggingface_hub.errors import OverloadedError
from huggingface_hub.errors import Path
from huggingface_hub.errors import RepositoryNotFoundError
from huggingface_hub.errors import Response
from huggingface_hub.errors import RevisionNotFoundError
from huggingface_hub.errors import SafetensorsParsingError
from huggingface_hub.errors import StrictDataclassClassValidationError
from huggingface_hub.errors import StrictDataclassDefinitionError
from huggingface_hub.errors import StrictDataclassError
from huggingface_hub.errors import StrictDataclassFieldValidationError
from huggingface_hub.errors import TextGenerationError
from huggingface_hub.errors import UnknownError
from huggingface_hub.errors import ValidationError
from huggingface_hub.errors import XetAuthorizationError
from huggingface_hub.errors import XetDownloadError
from huggingface_hub.errors import XetError
from huggingface_hub.errors import XetRefreshTokenError

# Functions
(none)

# Sentinels / Constants / Objects
from huggingface_hub.errors import Optional
from huggingface_hub.errors import Union

```

huggingface_hub.fastai_utils

Classes

```

[
    Any,
    HfApi,
    Path,
    PicklingError
]

```

Functions

```

[
    from_pretrained_fastai,
    get_fastai_version,
    get_fastcore_version,
    get_python_version,
    push_to_hub_fastai,
    snapshot_download,
    SoftTemporaryDirectory,
    validate_hf_hub_args
]

```

Sentinels / Constants / Objects

```

[
    DEFAULT_PROTOCOL,
    Dict,
    List,
    logger,
    Optional,
    PYPROJECT_TEMPLATE,
    README_TEMPLATE,
    Union
]

```

```

]
Import statements
from huggingface_hub.fastai_utils import Any
from huggingface_hub.fastai_utils import HfApi
from huggingface_hub.fastai_utils import Path
from huggingface_hub.fastai_utils import PicklingError

# Functions
from huggingface_hub.fastai_utils import from_pretrained_fastai
from huggingface_hub.fastai_utils import get_fastai_version
from huggingface_hub.fastai_utils import get_fastcore_version
from huggingface_hub.fastai_utils import get_python_version
from huggingface_hub.fastai_utils import push_to_hub_fastai
from huggingface_hub.fastai_utils import snapshot_download
from huggingface_hub.fastai_utils import SoftTemporaryDirectory
from huggingface_hub.fastai_utils import validate_hf_hub_args

# Sentinels / Constants / Objects
from huggingface_hub.fastai_utils import DEFAULT_PROTOCOL
from huggingface_hub.fastai_utils import Dict
from huggingface_hub.fastai_utils import List
from huggingface_hub.fastai_utils import logger
from huggingface_hub.fastai_utils import Optional
from huggingface_hub.fastai_utils import PYPROJECT_TEMPLATE
from huggingface_hub.fastai_utils import README_TEMPLATE
from huggingface_hub.fastai_utils import Union

```

huggingface_hub.file_download

Classes

```

[
    Any,
    BinaryIO,
    EntryNotFoundError,
    FileMetadataError,
    GatedRepoError,
    HfFileMetadata,
    HfHubHTTPError,
    LocalEntryNotFoundError,
    OfflineModeIsEnabled,
    Path,
    RepositoryNotFoundError,
    RevisionNotFoundError,
    tqdm,
    XetFileData
]

```

Functions

```

[
    are_symlinks_supported,
    build_hf_headers,
    dataclass,
    get_fastai_version,
    get_fastcore_version,
    get_graphviz_version,
    get_hf_file_metadata,
    get_jinja_version,
    get_local_download_paths,
    get_pydot_version,
    get_tf_version,
    get_torch_version,
    hf_hub_download,
    hf_hub_url,

```

```

hf_raise_for_status,
http_backoff,
http_get,
is_fastai_available,
is_fastcore_available,
is_graphviz_available,
is_jinja_available,
is_pydot_available,
is_tf_available,
is_torch_available,
is_xet_available,
parse_xet_file_data_from_response,
quote,
read_download_metadata,
refresh_xet_connection_info,
repo_folder_name,
reset_sessions,
sha_fileobj,
SoftTemporaryDirectory,
try_to_load_from_cache,
urlparse,
validate_hf_hub_args,
WeakFileLock,
write_download_metadata,
xet_get
]

```

Sentinels / Constants / Objects

```

[
    Dict,
    HEADER_FILENAME_PATTERN,
    HTTP_METHOD_T,
    HUGGINGFACE_CO_URL_TEMPLATE,
    HUGGINGFACE_HUB_CACHE,
    Literal,
    logger,
    NoReturn,
    Optional,
    REGEX_COMMIT_HASH,
    REGEX_SHA256,
    Tuple,
    Union
]

```

Import statements

```

from huggingface_hub.file_download import Any
from huggingface_hub.file_download import BinaryIO
from huggingface_hub.file_download import EntryNotFoundError
from huggingface_hub.file_download import FileMetadataError
from huggingface_hub.file_download import GatedRepoError
from huggingface_hub.file_download import HfFileMetadata
from huggingface_hub.file_download import HfHubHTTPError
from huggingface_hub.file_download import LocalEntryNotFoundError
from huggingface_hub.file_download import OfflineModeIsEnabled
from huggingface_hub.file_download import Path
from huggingface_hub.file_download import RepositoryNotFoundError
from huggingface_hub.file_download import RevisionNotFoundError
from huggingface_hub.file_download import tqdm
from huggingface_hub.file_download import XetFileData

```

Functions

```

from huggingface_hub.file_download import are_symlinks_supported
from huggingface_hub.file_download import build_hf_headers
from huggingface_hub.file_download import dataclass

```

```

from huggingface_hub.file_download import get_fastai_version
from huggingface_hub.file_download import get_fastcore_version
from huggingface_hub.file_download import get_graphviz_version
from huggingface_hub.file_download import get_hf_file_metadata
from huggingface_hub.file_download import get_jinja_version
from huggingface_hub.file_download import get_local_download_paths
from huggingface_hub.file_download import get_pydot_version
from huggingface_hub.file_download import get_tf_version
from huggingface_hub.file_download import get_torch_version
from huggingface_hub.file_download import hf_hub_download
from huggingface_hub.file_download import hf_hub_url
from huggingface_hub.file_download import hf_raise_for_status
from huggingface_hub.file_download import http_backoff
from huggingface_hub.file_download import http_get
from huggingface_hub.file_download import is_fastai_available
from huggingface_hub.file_download import is_fastcore_available
from huggingface_hub.file_download import is_graphviz_available
from huggingface_hub.file_download import is_jinja_available
from huggingface_hub.file_download import is_pydot_available
from huggingface_hub.file_download import is_tf_available
from huggingface_hub.file_download import is_torch_available
from huggingface_hub.file_download import is_xet_available
from huggingface_hub.file_download import parse_xet_file_data_from_response
from huggingface_hub.file_download import quote
from huggingface_hub.file_download import read_download_metadata
from huggingface_hub.file_download import refresh_xet_connection_info
from huggingface_hub.file_download import repo_folder_name
from huggingface_hub.file_download import reset_sessions
from huggingface_hub.file_download import sha_fileobj
from huggingface_hub.file_download import SoftTemporaryDirectory
from huggingface_hub.file_download import try_to_load_from_cache
from huggingface_hub.file_download import urlparse
from huggingface_hub.file_download import validate_hf_hub_args
from huggingface_hub.file_download import WeakFileLock
from huggingface_hub.file_download import write_download_metadata
from huggingface_hub.file_download import xet_get

# Sentinels / Constants / Objects
from huggingface_hub.file_download import Dict
from huggingface_hub.file_download import HEADER_FILENAME_PATTERN
from huggingface_hub.file_download import HTTP_METHOD_T
from huggingface_hub.file_download import HUGGINGFACE_CO_URL_TEMPLATE
from huggingface_hub.file_download import HUGGINGFACE_HUB_CACHE
from huggingface_hub.file_download import Literal
from huggingface_hub.file_download import logger
from huggingface_hub.file_download import NoReturn
from huggingface_hub.file_download import Optional
from huggingface_hub.file_download import REGEX_COMMIT_HASH
from huggingface_hub.file_download import REGEX_SHA256
from huggingface_hub.file_download import Tuple
from huggingface_hub.file_download import Union

```

huggingface_hub.hf_api

Classes

```

[
    AccessRequest,
    Any,
    BadRequestError,
    base_tqdm,
    BinaryIO,
    BlobLfsInfo,

```

BlobSecurityInfo,
Collection,
CollectionItem,
CommitInfo,
CommitOperationAdd,
CommitOperationCopy,
CommitOperationDelete,
DatasetCardData,
DatasetInfo,
datetime,
defaultdict,
Discussion,
DiscussionComment,
DiscussionStatusChange,
DiscussionTitleChange,
DiscussionWithDetails,
EntryNotFoundError,
Future,
GatedRepoError,
GitCommitInfo,
GitRefInfo,
GitRefs,
hf_tqdm,
HfApi,
HfFileMetadata,
HfFolder,
HfHubHTTPError,
HTTPError,
InferenceEndpoint,
InferenceEndpointType,
InferenceProviderMapping,
islice,
JobInfo,
LastCommitInfo,
LFSFileInfo,
LocalTokenNotFoundError,
ModelCardData,
ModelInfo,
NotASafetensorsRepoError,
Organization,
PaperInfo,
Path,
RepoFile,
RepoFolder,
RepoSibling,
RepositoryNotFoundError,
RepoUrl,
RevisionNotFoundError,
SafetensorsFileMetadata,
SafeTensorsInfo,
SafetensorsParsingError,
SafetensorsRepoMetadata,
SpaceCardData,
SpaceHardware,
SpaceInfo,
SpaceRuntime,
SpaceStorage,
SpaceVariable,
TensorInfo,
ThreadPoolExecutor,
TransformersInfo,
TypeVar,

```
User,  
UserLikes,  
WebhookInfo,  
WebhookWatchedItem
```

```
]
```

Functions

```
[
```

```
    accept_access_request,  
    add_collection_item,  
    add_space_secret,  
    add_space_variable,  
    asdict,  
    auth_check,  
    build_hf_headers,  
    cancel_access_request,  
    cancel_job,  
    change_discussion_status,  
    chunk_iterable,  
    comment_discussion,  
    create_branch,  
    create_collection,  
    create_commit,  
    create_discussion,  
    create_inference_endpoint,  
    create_inference_endpoint_from_catalog,  
    create_pull_request,  
    create_repo,  
    create_tag,  
    create_webhook,  
    dataclass,  
    dataset_info,  
    dedent,  
    delete_branch,  
    delete_collection,  
    delete_collection_item,  
    delete_file,  
    delete_files,  
    delete_folder,  
    delete_inference_endpoint,  
    delete_repo,  
    delete_space_secret,  
    delete_space_storage,  
    delete_space_variable,  
    delete_tag,  
    delete_webhook,  
    deserialize_event,  
    disable_webhook,  
    duplicate_space,  
    edit_discussion_comment,  
    enable_webhook,  
    experimental,  
    fetch_job_logs,  
    field,  
    file_exists,  
    filter_repo_objects,  
    fix_hf_endpoint_in_url,  
    future_compatible,  
    get_collection,  
    get_dataset_tags,  
    get_discussion_details,  
    get_full_repo_name,  
    get_hf_file_metadata,
```

get_inference_endpoint,
get_model_tags,
get_paths_info,
get_repo_discussions,
get_safetensors_metadata,
get_session,
get_space_runtime,
get_space_variables,
get_token,
get_token_permission,
get_user_overview,
get_webhook,
grant_access,
hf_hub_url,
hf_raise_for_status,
inspect_job,
is_xet_available,
list_accepted_access_requests,
list_collections,
list_datasets,
list_inference_catalog,
list_inference_endpoints,
list_jobs,
list_lfs_files,
list_liked_repos,
list_models,
list_organization_members,
list_papers,
list_pending_access_requests,
list_rejected_access_requests,
list_repo_commits,
list_repo_files,
list_repo_likers,
list_repo_refs,
list_repo_tree,
list_spaces,
list_user_followers,
list_user_following,
list_webhooks,
merge_pull_request,
model_info,
move_repo,
overload,
paginate,
paper_info,
parse_datetime,
parse_safetensors_file_metadata,
pause_inference_endpoint,
pause_space,
permanently_delete_lfs_files,
preupload_lfs_files,
quote,
reject_access_request,
rename_discussion,
repo_exists,
repo_info,
repo_type_and_id_from_hf_id,
request_space_hardware,
request_space_storage,
restart_space,
resume_inference_endpoint,
revision_exists,


```

run_as_future,
run_job,
run_uv_job,
scale_to_zero_inference_endpoint,
set_space_sleep_time,
space_info,
super_squash_history,
thread_map,
unlike,
unquote,
update_collection_item,
update_collection_metadata,
update_inference_endpoint,
update_repo_settings,
update_repo_visibility,
update_webhook,
upload_file,
upload_folder,
upload_large_folder,
upload_large_folder_internal,
validate_hf_hub_args,
whoami,
wraps

```

```
]
```

Sentinels / Constants / Objects

```
[
```

```

    annotations,
    api,
    Callable,
    CallableT,
    CollectionItemType_T,
    CommitOperation,
    DEFAULT_ETAG_TIMEOUT,
    DEFAULT_IGNORE_PATTERNS,
    DEFAULT_REQUEST_TIMEOUT,
    DEFAULT_REVISION,
    Dict,
    DISCUSSION_STATUS,
    DISCUSSION_TYPES,
    DiscussionStatusFilter,
    DiscussionTypeFilter,
    ENDPOINT,
    ExpandDatasetProperty_T,
    ExpandModelProperty_T,
    ExpandSpaceProperty_T,
    INFERENCE_ENDPOINTS_ENDPOINT,
    Iterable,
    Iterator,
    List,
    Literal,
    logger,
    Optional,
    R,
    REGEX_COMMIT_OID,
    REPO_TYPE_MODEL,
    REPO_TYPES,
    REPO_TYPES_MAPPING,
    REPO_TYPES_URL_PREFIXES,
    SAFETENSORS_INDEX_FILE,
    SAFETENSORS_MAX_HEADER_LENGTH,
    SAFETENSORS_SINGLE_FILE,
    SPACES_SDK_TYPES,

```

```

Tuple,
Type,
TYPE_CHECKING,
Union,
USERNAME_PLACEHOLDER,
WEBHOOK_DOMAIN_T
]

```

Import statements

```

from huggingface_hub.hf_api import AccessRequest
from huggingface_hub.hf_api import Any
from huggingface_hub.hf_api import BadRequestError
from huggingface_hub.hf_api import base_tqdm
from huggingface_hub.hf_api import BinaryIO
from huggingface_hub.hf_api import BlobLfsInfo
from huggingface_hub.hf_api import BlobSecurityInfo
from huggingface_hub.hf_api import Collection
from huggingface_hub.hf_api import CollectionItem
from huggingface_hub.hf_api import CommitInfo
from huggingface_hub.hf_api import CommitOperationAdd
from huggingface_hub.hf_api import CommitOperationCopy
from huggingface_hub.hf_api import CommitOperationDelete
from huggingface_hub.hf_api import DatasetCardData
from huggingface_hub.hf_api import DatasetInfo
from huggingface_hub.hf_api import datetime
from huggingface_hub.hf_api import defaultdict
from huggingface_hub.hf_api import Discussion
from huggingface_hub.hf_api import DiscussionComment
from huggingface_hub.hf_api import DiscussionStatusChange
from huggingface_hub.hf_api import DiscussionTitleChange
from huggingface_hub.hf_api import DiscussionWithDetails
from huggingface_hub.hf_api import EntryNotFoundError
from huggingface_hub.hf_api import Future
from huggingface_hub.hf_api import GatedRepoError
from huggingface_hub.hf_api import GitCommitInfo
from huggingface_hub.hf_api import GitRefInfo
from huggingface_hub.hf_api import GitRefs
from huggingface_hub.hf_api import hf_tqdm
from huggingface_hub.hf_api import HfApi
from huggingface_hub.hf_api import HfFileMetadata
from huggingface_hub.hf_api import HfFolder
from huggingface_hub.hf_api import HfHubHTTPError
from huggingface_hub.hf_api import HTTPError
from huggingface_hub.hf_api import InferenceEndpoint
from huggingface_hub.hf_api import InferenceEndpointType
from huggingface_hub.hf_api import InferenceProviderMapping
from huggingface_hub.hf_api import islice
from huggingface_hub.hf_api import JobInfo
from huggingface_hub.hf_api import LastCommitInfo
from huggingface_hub.hf_api import LFSFileInfo
from huggingface_hub.hf_api import LocalTokenNotFoundError
from huggingface_hub.hf_api import ModelCardData
from huggingface_hub.hf_api import ModelInfo
from huggingface_hub.hf_api import NotASafetensorsRepoError
from huggingface_hub.hf_api import Organization
from huggingface_hub.hf_api import PaperInfo
from huggingface_hub.hf_api import Path
from huggingface_hub.hf_api import RepoFile
from huggingface_hub.hf_api import RepoFolder
from huggingface_hub.hf_api import RepoSibling
from huggingface_hub.hf_api import RepositoryNotFoundError
from huggingface_hub.hf_api import RepoUrl
from huggingface_hub.hf_api import RevisionNotFoundError

```

```

from huggingface_hub.hf_api import SafetensorsFileMetadata
from huggingface_hub.hf_api import SafeTensorsInfo
from huggingface_hub.hf_api import SafetensorsParsingError
from huggingface_hub.hf_api import SafetensorsRepoMetadata
from huggingface_hub.hf_api import SpaceCardData
from huggingface_hub.hf_api import SpaceHardware
from huggingface_hub.hf_api import SpaceInfo
from huggingface_hub.hf_api import SpaceRuntime
from huggingface_hub.hf_api import SpaceStorage
from huggingface_hub.hf_api import SpaceVariable
from huggingface_hub.hf_api import TensorInfo
from huggingface_hub.hf_api import ThreadPoolExecutor
from huggingface_hub.hf_api import TransformersInfo
from huggingface_hub.hf_api import TypeVar
from huggingface_hub.hf_api import User
from huggingface_hub.hf_api import UserLikes
from huggingface_hub.hf_api import WebhookInfo
from huggingface_hub.hf_api import WebhookWatchedItem

```

Functions

```

from huggingface_hub.hf_api import accept_access_request
from huggingface_hub.hf_api import add_collection_item
from huggingface_hub.hf_api import add_space_secret
from huggingface_hub.hf_api import add_space_variable
from huggingface_hub.hf_api import asdict
from huggingface_hub.hf_api import auth_check
from huggingface_hub.hf_api import build_hf_headers
from huggingface_hub.hf_api import cancel_access_request
from huggingface_hub.hf_api import cancel_job
from huggingface_hub.hf_api import change_discussion_status
from huggingface_hub.hf_api import chunk_iterable
from huggingface_hub.hf_api import comment_discussion
from huggingface_hub.hf_api import create_branch
from huggingface_hub.hf_api import create_collection
from huggingface_hub.hf_api import create_commit
from huggingface_hub.hf_api import create_discussion
from huggingface_hub.hf_api import create_inference_endpoint
from huggingface_hub.hf_api import create_inference_endpoint_from_catalog
from huggingface_hub.hf_api import create_pull_request
from huggingface_hub.hf_api import create_repo
from huggingface_hub.hf_api import create_tag
from huggingface_hub.hf_api import create_webhook
from huggingface_hub.hf_api import dataclass
from huggingface_hub.hf_api import dataset_info
from huggingface_hub.hf_api import dedent
from huggingface_hub.hf_api import delete_branch
from huggingface_hub.hf_api import delete_collection
from huggingface_hub.hf_api import delete_collection_item
from huggingface_hub.hf_api import delete_file
from huggingface_hub.hf_api import delete_files
from huggingface_hub.hf_api import delete_folder
from huggingface_hub.hf_api import delete_inference_endpoint
from huggingface_hub.hf_api import delete_repo
from huggingface_hub.hf_api import delete_space_secret
from huggingface_hub.hf_api import delete_space_storage
from huggingface_hub.hf_api import delete_space_variable
from huggingface_hub.hf_api import delete_tag
from huggingface_hub.hf_api import delete_webhook
from huggingface_hub.hf_api import deserialize_event
from huggingface_hub.hf_api import disable_webhook
from huggingface_hub.hf_api import duplicate_space
from huggingface_hub.hf_api import edit_discussion_comment

```

```
from huggingface_hub.hf_api import enable_webhook
from huggingface_hub.hf_api import experimental
from huggingface_hub.hf_api import fetch_job_logs
from huggingface_hub.hf_api import field
from huggingface_hub.hf_api import file_exists
from huggingface_hub.hf_api import filter_repo_objects
from huggingface_hub.hf_api import fix_hf_endpoint_in_url
from huggingface_hub.hf_api import future_compatible
from huggingface_hub.hf_api import get_collection
from huggingface_hub.hf_api import get_dataset_tags
from huggingface_hub.hf_api import get_discussion_details
from huggingface_hub.hf_api import get_full_repo_name
from huggingface_hub.hf_api import get_hf_file_metadata
from huggingface_hub.hf_api import get_inference_endpoint
from huggingface_hub.hf_api import get_model_tags
from huggingface_hub.hf_api import get_paths_info
from huggingface_hub.hf_api import get_repo_discussions
from huggingface_hub.hf_api import get_safetensors_metadata
from huggingface_hub.hf_api import get_session
from huggingface_hub.hf_api import get_space_runtime
from huggingface_hub.hf_api import get_space_variables
from huggingface_hub.hf_api import get_token
from huggingface_hub.hf_api import get_token_permission
from huggingface_hub.hf_api import get_user_overview
from huggingface_hub.hf_api import get_webhook
from huggingface_hub.hf_api import grant_access
from huggingface_hub.hf_api import hf_hub_url
from huggingface_hub.hf_api import hf_raise_for_status
from huggingface_hub.hf_api import inspect_job
from huggingface_hub.hf_api import is_xet_available
from huggingface_hub.hf_api import list_accepted_access_requests
from huggingface_hub.hf_api import list_collections
from huggingface_hub.hf_api import list_datasets
from huggingface_hub.hf_api import list_inference_catalog
from huggingface_hub.hf_api import list_inference_endpoints
from huggingface_hub.hf_api import list_jobs
from huggingface_hub.hf_api import list_lfs_files
from huggingface_hub.hf_api import list_liked_repos
from huggingface_hub.hf_api import list_models
from huggingface_hub.hf_api import list_organization_members
from huggingface_hub.hf_api import list_papers
from huggingface_hub.hf_api import list_pending_access_requests
from huggingface_hub.hf_api import list_rejected_access_requests
from huggingface_hub.hf_api import list_repo_commits
from huggingface_hub.hf_api import list_repo_files
from huggingface_hub.hf_api import list_repo likers
from huggingface_hub.hf_api import list_repo_refs
from huggingface_hub.hf_api import list_repo_tree
from huggingface_hub.hf_api import list_spaces
from huggingface_hub.hf_api import list_user_followers
from huggingface_hub.hf_api import list_user_following
from huggingface_hub.hf_api import list_webhooks
from huggingface_hub.hf_api import merge_pull_request
from huggingface_hub.hf_api import model_info
from huggingface_hub.hf_api import move_repo
from huggingface_hub.hf_api import overload
from huggingface_hub.hf_api import paginate
from huggingface_hub.hf_api import paper_info
from huggingface_hub.hf_api import parse_datetime
from huggingface_hub.hf_api import parse_safetensors_file_metadata
from huggingface_hub.hf_api import pause_inference_endpoint
from huggingface_hub.hf_api import pause_space
```

```

from huggingface_hub.hf_api import permanently_delete_lfs_files
from huggingface_hub.hf_api import preupload_lfs_files
from huggingface_hub.hf_api import quote
from huggingface_hub.hf_api import reject_access_request
from huggingface_hub.hf_api import rename_discussion
from huggingface_hub.hf_api import repo_exists
from huggingface_hub.hf_api import repo_info
from huggingface_hub.hf_api import repo_type_and_id_from_hf_id
from huggingface_hub.hf_api import request_space_hardware
from huggingface_hub.hf_api import request_space_storage
from huggingface_hub.hf_api import restart_space
from huggingface_hub.hf_api import resume_inference_endpoint
from huggingface_hub.hf_api import revision_exists
from huggingface_hub.hf_api import run_as_future
from huggingface_hub.hf_api import run_job
from huggingface_hub.hf_api import run_uv_job
from huggingface_hub.hf_api import scale_to_zero_inference_endpoint
from huggingface_hub.hf_api import set_space_sleep_time
from huggingface_hub.hf_api import space_info
from huggingface_hub.hf_api import super_squash_history
from huggingface_hub.hf_api import thread_map
from huggingface_hub.hf_api import unlike
from huggingface_hub.hf_api import unquote
from huggingface_hub.hf_api import update_collection_item
from huggingface_hub.hf_api import update_collection_metadata
from huggingface_hub.hf_api import update_inference_endpoint
from huggingface_hub.hf_api import update_repo_settings
from huggingface_hub.hf_api import update_repo_visibility
from huggingface_hub.hf_api import update_webhook
from huggingface_hub.hf_api import upload_file
from huggingface_hub.hf_api import upload_folder
from huggingface_hub.hf_api import upload_large_folder
from huggingface_hub.hf_api import upload_large_folder_internal
from huggingface_hub.hf_api import validate_hf_hub_args
from huggingface_hub.hf_api import whoami
from huggingface_hub.hf_api import wraps

```

Sentinels / Constants / Objects

```

from huggingface_hub.hf_api import annotations
from huggingface_hub.hf_api import api
from huggingface_hub.hf_api import Callable
from huggingface_hub.hf_api import CallableT
from huggingface_hub.hf_api import CollectionItemType_T
from huggingface_hub.hf_api import CommitOperation
from huggingface_hub.hf_api import DEFAULT_ETAG_TIMEOUT
from huggingface_hub.hf_api import DEFAULT_IGNORE_PATTERNS
from huggingface_hub.hf_api import DEFAULT_REQUEST_TIMEOUT
from huggingface_hub.hf_api import DEFAULT_REVISION
from huggingface_hub.hf_api import Dict
from huggingface_hub.hf_api import DISCUSSION_STATUS
from huggingface_hub.hf_api import DISCUSSION_TYPES
from huggingface_hub.hf_api import DiscussionStatusFilter
from huggingface_hub.hf_api import DiscussionTypeFilter
from huggingface_hub.hf_api import ENDPOINT
from huggingface_hub.hf_api import ExpandDatasetProperty_T
from huggingface_hub.hf_api import ExpandModelProperty_T
from huggingface_hub.hf_api import ExpandSpaceProperty_T
from huggingface_hub.hf_api import INFERENCE_ENDPOINTS_ENDPOINT
from huggingface_hub.hf_api import Iterable
from huggingface_hub.hf_api import Iterator
from huggingface_hub.hf_api import List
from huggingface_hub.hf_api import Literal

```

```

from huggingface_hub.hf_api import logger
from huggingface_hub.hf_api import Optional
from huggingface_hub.hf_api import R
from huggingface_hub.hf_api import REGEX_COMMIT_OID
from huggingface_hub.hf_api import REPO_TYPE_MODEL
from huggingface_hub.hf_api import REPO_TYPES
from huggingface_hub.hf_api import REPO_TYPES_MAPPING
from huggingface_hub.hf_api import REPO_TYPES_URL_PREFIXES
from huggingface_hub.hf_api import SAFETENSORS_INDEX_FILE
from huggingface_hub.hf_api import SAFETENSORS_MAX_HEADER_LENGTH
from huggingface_hub.hf_api import SAFETENSORS_SINGLE_FILE
from huggingface_hub.hf_api import SPACES_SDK_TYPES
from huggingface_hub.hf_api import Tuple
from huggingface_hub.hf_api import Type
from huggingface_hub.hf_api import TYPE_CHECKING
from huggingface_hub.hf_api import Union
from huggingface_hub.hf_api import USERNAME_PLACEHOLDER
from huggingface_hub.hf_api import WEBHOOK_DOMAIN_T

```

huggingface_hub.hf_file_system

Classes

```

[
    Any,
    chain,
    CommitOperationCopy,
    CommitOperationDelete,
    datetime,
    deque,
    EntryNotFoundError,
    HfApi,
    HfFileSystem,
    HfFileSystemFile,
    HfFileSystemResolvedPath,
    HfFileSystemStreamFile,
    HFValidationError,
    LastCommitInfo,
    NoOpCallback,
    Path,
    RepoFile,
    RepositoryNotFoundError,
    Response,
    RevisionNotFoundError,
    TqdmCallback
]

```

Functions

```

[
    dataclass,
    field,
    hf_hub_url,
    hf_raise_for_status,
    http_backoff,
    http_get,
    isfilelike,
    quote,
    reopen,
    safe_quote,
    safe_revision,
    unquote
]

```

Sentinels / Constants / Objects

```

[

```

```

Dict,
Iterator,
List,
NoReturn,
Optional,
SPECIAL_REFS_REVISION_REGEX,
Tuple,
Union
]

```

Import statements

```

from huggingface_hub.hf_file_system import Any
from huggingface_hub.hf_file_system import chain
from huggingface_hub.hf_file_system import CommitOperationCopy
from huggingface_hub.hf_file_system import CommitOperationDelete
from huggingface_hub.hf_file_system import datetime
from huggingface_hub.hf_file_system import deque
from huggingface_hub.hf_file_system import EntryNotFoundError
from huggingface_hub.hf_file_system import HfApi
from huggingface_hub.hf_file_system import HfFileSystem
from huggingface_hub.hf_file_system import HfFileSystemFile
from huggingface_hub.hf_file_system import HfFileSystemResolvedPath
from huggingface_hub.hf_file_system import HfFileSystemStreamFile
from huggingface_hub.hf_file_system import HFValidationError
from huggingface_hub.hf_file_system import LastCommitInfo
from huggingface_hub.hf_file_system import NoOpCallback
from huggingface_hub.hf_file_system import Path
from huggingface_hub.hf_file_system import RepoFile
from huggingface_hub.hf_file_system import RepositoryNotFoundError
from huggingface_hub.hf_file_system import Response
from huggingface_hub.hf_file_system import RevisionNotFoundError
from huggingface_hub.hf_file_system import TqdmCallback

```

Functions

```

from huggingface_hub.hf_file_system import dataclass
from huggingface_hub.hf_file_system import field
from huggingface_hub.hf_file_system import hf_hub_url
from huggingface_hub.hf_file_system import hf_raise_for_status
from huggingface_hub.hf_file_system import http_backoff
from huggingface_hub.hf_file_system import http_get
from huggingface_hub.hf_file_system import isfilelike
from huggingface_hub.hf_file_system import quote
from huggingface_hub.hf_file_system import reopen
from huggingface_hub.hf_file_system import safe_quote
from huggingface_hub.hf_file_system import safe_revision
from huggingface_hub.hf_file_system import unquote

```

Sentinels / Constants / Objects

```

from huggingface_hub.hf_file_system import Dict
from huggingface_hub.hf_file_system import Iterator
from huggingface_hub.hf_file_system import List
from huggingface_hub.hf_file_system import NoReturn
from huggingface_hub.hf_file_system import Optional
from huggingface_hub.hf_file_system import SPECIAL_REFS_REVISION_REGEX
from huggingface_hub.hf_file_system import Tuple
from huggingface_hub.hf_file_system import Union

```

huggingface_hub.hub_mixin

Classes

```

[
    Any,
    DataclassInstance,

```

```
EntryNotFoundError,  
Field,  
HfApi,  
HfHubHTTPError,  
MixinInfo,  
ModelCard,  
ModelCardData,  
ModelHubMixin,  
Path,  
Protocol,  
PyTorchModelHubMixin,  
TypeVar
```

```
]
```

Functions

```
[  
    asdict,  
    dataclass,  
    hf_hub_download,  
    is_dataclass,  
    is_jsonable,  
    is_safetensors_available,  
    is_simple_optional_type,  
    is_torch_available,  
    load_model_as_safetensor,  
    save_model_as_safetensor,  
    SoftTemporaryDirectory,  
    unwrap_simple_optional_type,  
    validate_hf_hub_args
```

```
]
```

Sentinels / Constants / Objects

```
[  
    ARGS_T,  
    Callable,  
    ClassVar,  
    CODER_T,  
    DECODER_T,  
    DEFAULT_MODEL_CARD,  
    Dict,  
    ENCODER_T,  
    List,  
    logger,  
    Optional,  
    T,  
    Tuple,  
    Type,  
    Union
```

```
]
```

Import statements

```
from huggingface_hub.hub_mixin import Any  
from huggingface_hub.hub_mixin import DataclassInstance  
from huggingface_hub.hub_mixin import EntryNotFoundError  
from huggingface_hub.hub_mixin import Field  
from huggingface_hub.hub_mixin import HfApi  
from huggingface_hub.hub_mixin import HfHubHTTPError  
from huggingface_hub.hub_mixin import MixinInfo  
from huggingface_hub.hub_mixin import ModelCard  
from huggingface_hub.hub_mixin import ModelCardData  
from huggingface_hub.hub_mixin import ModelHubMixin  
from huggingface_hub.hub_mixin import Path  
from huggingface_hub.hub_mixin import Protocol  
from huggingface_hub.hub_mixin import PyTorchModelHubMixin  
from huggingface_hub.hub_mixin import TypeVar
```



```

# Functions
from huggingface_hub.hub_mixin import asdict
from huggingface_hub.hub_mixin import dataclass
from huggingface_hub.hub_mixin import hf_hub_download
from huggingface_hub.hub_mixin import is_dataclass
from huggingface_hub.hub_mixin import is_jsonable
from huggingface_hub.hub_mixin import is_safetensors_available
from huggingface_hub.hub_mixin import is_simple_optional_type
from huggingface_hub.hub_mixin import is_torch_available
from huggingface_hub.hub_mixin import load_model_as_safetensor
from huggingface_hub.hub_mixin import save_model_as_safetensor
from huggingface_hub.hub_mixin import SoftTemporaryDirectory
from huggingface_hub.hub_mixin import unwrap_simple_optional_type
from huggingface_hub.hub_mixin import validate_hf_hub_args

# Sentinels / Constants / Objects
from huggingface_hub.hub_mixin import ARGS_T
from huggingface_hub.hub_mixin import Callable
from huggingface_hub.hub_mixin import ClassVar
from huggingface_hub.hub_mixin import CODER_T
from huggingface_hub.hub_mixin import DECODER_T
from huggingface_hub.hub_mixin import DEFAULT_MODEL_CARD
from huggingface_hub.hub_mixin import Dict
from huggingface_hub.hub_mixin import ENCODER_T
from huggingface_hub.hub_mixin import List
from huggingface_hub.hub_mixin import logger
from huggingface_hub.hub_mixin import Optional
from huggingface_hub.hub_mixin import T
from huggingface_hub.hub_mixin import Tuple
from huggingface_hub.hub_mixin import Type
from huggingface_hub.hub_mixin import Union

```

huggingface_hub.inference

Classes

```
[ ]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```
(none)
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

huggingface_hub.inference_api

Classes

```
[
    Any,
    HfApi,
    InferenceApi
]
```

Functions

```
[
    build_hf_headers,
    get_session,
    is_pillow_available,
```

```

    validate_hf_hub_args
]
Sentinels / Constants / Objects
[
    ALL_TASKS,
    Dict,
    List,
    logger,
    Optional,
    Union
]
Import statements
from huggingface_hub.inference_api import Any
from huggingface_hub.inference_api import HfApi
from huggingface_hub.inference_api import InferenceApi

# Functions
from huggingface_hub.inference_api import build_hf_headers
from huggingface_hub.inference_api import get_session
from huggingface_hub.inference_api import is_pillow_available
from huggingface_hub.inference_api import validate_hf_hub_args

# Sentinels / Constants / Objects
from huggingface_hub.inference_api import ALL_TASKS
from huggingface_hub.inference_api import Dict
from huggingface_hub.inference_api import List
from huggingface_hub.inference_api import logger
from huggingface_hub.inference_api import Optional
from huggingface_hub.inference_api import Union

```

huggingface_hub.keras_mixin

Classes

```

[
    Any,
    HfApi,
    KerasModelHubMixin,
    ModelHubMixin,
    Path
]

```

Functions

```

[
    copytree,
    from_pretrained_keras,
    get_tf_version,
    is_graphviz_available,
    is_pydot_available,
    is_tf_available,
    push_to_hub_keras,
    save_pretrained_keras,
    snapshot_download,
    SoftTemporaryDirectory,
    validate_hf_hub_args,
    wraps
]

```

Sentinels / Constants / Objects

```

[
    CallableT,
    Dict,
    List,
    logger,
    Optional,

```

```

    Union,
    yaml_dump
]
Import statements
from huggingface_hub.keras_mixin import Any
from huggingface_hub.keras_mixin import HfApi
from huggingface_hub.keras_mixin import KerasModelHubMixin
from huggingface_hub.keras_mixin import ModelHubMixin
from huggingface_hub.keras_mixin import Path

# Functions
from huggingface_hub.keras_mixin import copytree
from huggingface_hub.keras_mixin import from_pretrained_keras
from huggingface_hub.keras_mixin import get_tf_version
from huggingface_hub.keras_mixin import is_graphviz_available
from huggingface_hub.keras_mixin import is_pydot_available
from huggingface_hub.keras_mixin import is_tf_available
from huggingface_hub.keras_mixin import push_to_hub_keras
from huggingface_hub.keras_mixin import save_pretrained_keras
from huggingface_hub.keras_mixin import snapshot_download
from huggingface_hub.keras_mixin import SoftTemporaryDirectory
from huggingface_hub.keras_mixin import validate_hf_hub_args
from huggingface_hub.keras_mixin import wraps

# Sentinels / Constants / Objects
from huggingface_hub.keras_mixin import CallableT
from huggingface_hub.keras_mixin import Dict
from huggingface_hub.keras_mixin import List
from huggingface_hub.keras_mixin import logger
from huggingface_hub.keras_mixin import Optional
from huggingface_hub.keras_mixin import Union
from huggingface_hub.keras_mixin import yaml_dump

```

huggingface_hub.lfs

Classes

```

[
    BinaryIO,
    CompletionPayloadT,
    Path,
    PayloadPartT,
    SliceFileObj,
    tqdm,
    UploadInfo
]

```

Functions

```

[
    build_hf_headers,
    ceil,
    dataclass,
    fix_hf_endpoint_in_url,
    get_session,
    getsize,
    hf_raise_for_status,
    http_backoff,
    is_tqdm_disabled,
    lfs_upload,
    post_lfs_batch_info,
    sha_fileobj,
    TypedDict,
    unquote,
    validate_hf_hub_args
]

```

```

]
Sentinels / Constants / Objects
[
    Dict,
    Iterable,
    LFS_HEADERS,
    LFS_MULTIPART_UPLOAD_COMMAND,
    List,
    logger,
    OID_REGEX,
    Optional,
    sha256,
    Tuple,
    TYPE_CHECKING
]

```

Import statements

```

from huggingface_hub.lfs import BinaryIO
from huggingface_hub.lfs import CompletionPayloadT
from huggingface_hub.lfs import Path
from huggingface_hub.lfs import PayloadPartT
from huggingface_hub.lfs import SliceFileObj
from huggingface_hub.lfs import tqdm
from huggingface_hub.lfs import UploadInfo

# Functions
from huggingface_hub.lfs import build_hf_headers
from huggingface_hub.lfs import ceil
from huggingface_hub.lfs import dataclass
from huggingface_hub.lfs import fix_hf_endpoint_in_url
from huggingface_hub.lfs import get_session
from huggingface_hub.lfs import getsize
from huggingface_hub.lfs import hf_raise_for_status
from huggingface_hub.lfs import http_backoff
from huggingface_hub.lfs import is_tqdm_disabled
from huggingface_hub.lfs import lfs_upload
from huggingface_hub.lfs import post_lfs_batch_info
from huggingface_hub.lfs import sha_fileobj
from huggingface_hub.lfs import TypedDict
from huggingface_hub.lfs import unquote
from huggingface_hub.lfs import validate_hf_hub_args

```

```

# Sentinels / Constants / Objects
from huggingface_hub.lfs import Dict
from huggingface_hub.lfs import Iterable
from huggingface_hub.lfs import LFS_HEADERS
from huggingface_hub.lfs import LFS_MULTIPART_UPLOAD_COMMAND
from huggingface_hub.lfs import List
from huggingface_hub.lfs import logger
from huggingface_hub.lfs import OID_REGEX
from huggingface_hub.lfs import Optional
from huggingface_hub.lfs import sha256
from huggingface_hub.lfs import Tuple
from huggingface_hub.lfs import TYPE_CHECKING

```

[huggingface_hub.repocard](#)

Classes

```

[
    Any,
    CardData,
    DatasetCard,
    DatasetCardData,

```

```
EntryNotFoundError,  
EvalResult,  
ModelCard,  
ModelCardData,  
Path,  
RepoCard,  
SpaceCard,  
SpaceCardData
```

```
]
```

Functions

```
[  
    eval_results_to_model_index,  
    get_session,  
    hf_hub_download,  
    is_jinja_available,  
    metadata_eval_result,  
    metadata_load,  
    metadata_save,  
    metadata_update,  
    model_index_to_eval_results,  
    SoftTemporaryDirectory,  
    upload_file,  
    validate_hf_hub_args
```

```
]
```

Sentinels / Constants / Objects

```
[  
    Dict,  
    Literal,  
    logger,  
    Optional,  
    REGEX_YAML_BLOCK,  
    TEMPLATE_DATASETCARD_PATH,  
    TEMPLATE_MODELCARD_PATH,  
    Type,  
    Union,  
    yaml_dump
```

```
]
```

Import statements

```
from huggingface_hub.repocard import Any  
from huggingface_hub.repocard import CardData  
from huggingface_hub.repocard import DatasetCard  
from huggingface_hub.repocard import DatasetCardData  
from huggingface_hub.repocard import EntryNotFoundError  
from huggingface_hub.repocard import EvalResult  
from huggingface_hub.repocard import ModelCard  
from huggingface_hub.repocard import ModelCardData  
from huggingface_hub.repocard import Path  
from huggingface_hub.repocard import RepoCard  
from huggingface_hub.repocard import SpaceCard  
from huggingface_hub.repocard import SpaceCardData
```

Functions

```
from huggingface_hub.repocard import eval_results_to_model_index  
from huggingface_hub.repocard import get_session  
from huggingface_hub.repocard import hf_hub_download  
from huggingface_hub.repocard import is_jinja_available  
from huggingface_hub.repocard import metadata_eval_result  
from huggingface_hub.repocard import metadata_load  
from huggingface_hub.repocard import metadata_save  
from huggingface_hub.repocard import metadata_update  
from huggingface_hub.repocard import model_index_to_eval_results  
from huggingface_hub.repocard import SoftTemporaryDirectory
```

```

from huggingface_hub.repocard import upload_file
from huggingface_hub.repocard import validate_hf_hub_args

# Sentinels / Constants / Objects
from huggingface_hub.repocard import Dict
from huggingface_hub.repocard import Literal
from huggingface_hub.repocard import logger
from huggingface_hub.repocard import Optional
from huggingface_hub.repocard import REGEX_YAML_BLOCK
from huggingface_hub.repocard import TEMPLATE_DATASETCARD_PATH
from huggingface_hub.repocard import TEMPLATE_MODELCARD_PATH
from huggingface_hub.repocard import Type
from huggingface_hub.repocard import Union
from huggingface_hub.repocard import yaml_dump

```

huggingface_hub.repocard_data

Classes

```

[
    Any,
    CardData,
    DatasetCardData,
    defaultdict,
    EvalResult,
    ModelCardData,
    SpaceCardData
]

```

Functions

```

[
    dataclass,
    eval_results_to_model_index,
    model_index_to_eval_results
]

```

Sentinels / Constants / Objects

```

[
    Dict,
    List,
    logger,
    Optional,
    Tuple,
    Union,
    yaml_dump
]

```

Import statements

```

from huggingface_hub.repocard_data import Any
from huggingface_hub.repocard_data import CardData
from huggingface_hub.repocard_data import DatasetCardData
from huggingface_hub.repocard_data import defaultdict
from huggingface_hub.repocard_data import EvalResult
from huggingface_hub.repocard_data import ModelCardData
from huggingface_hub.repocard_data import SpaceCardData

# Functions
from huggingface_hub.repocard_data import dataclass
from huggingface_hub.repocard_data import eval_results_to_model_index
from huggingface_hub.repocard_data import model_index_to_eval_results

# Sentinels / Constants / Objects
from huggingface_hub.repocard_data import Dict
from huggingface_hub.repocard_data import List
from huggingface_hub.repocard_data import logger
from huggingface_hub.repocard_data import Optional

```

```
from huggingface_hub.repocard_data import Tuple
from huggingface_hub.repocard_data import Union
from huggingface_hub.repocard_data import yaml_dump
```

huggingface_hub.repository

Classes

```
[
    CommandInProgress,
    HfApi,
    Path,
    PbarT,
    Repository,
    tqdm
]
```

Functions

```
[
    commits_to_push,
    contextmanager,
    files_to_be_staged,
    get_token,
    is_binary_file,
    is_git_ignored,
    is_git_repo,
    is_local_clone,
    is_tracked_upstream,
    is_tracked_with_lfs,
    metadata_load,
    metadata_save,
    repo_type_and_id_from_hf_id,
    run_subprocess,
    SoftTemporaryDirectory,
    TypedDict,
    urlparse,
    validate_hf_hub_args
]
```

Sentinels / Constants / Objects

```
[
    Callable,
    Dict,
    Iterator,
    LFS_MULTIPART_UPLOAD_COMMAND,
    List,
    logger,
    Optional,
    Tuple,
    Union
]
```

Import statements

```
from huggingface_hub.repository import CommandInProgress
from huggingface_hub.repository import HfApi
from huggingface_hub.repository import Path
from huggingface_hub.repository import PbarT
from huggingface_hub.repository import Repository
from huggingface_hub.repository import tqdm
```

Functions

```
from huggingface_hub.repository import commits_to_push
from huggingface_hub.repository import contextmanager
from huggingface_hub.repository import files_to_be_staged
from huggingface_hub.repository import get_token
from huggingface_hub.repository import is_binary_file
```

```

from huggingface_hub.repository import is_git_ignored
from huggingface_hub.repository import is_git_repo
from huggingface_hub.repository import is_local_clone
from huggingface_hub.repository import is_tracked_upstream
from huggingface_hub.repository import is_tracked_with_lfs
from huggingface_hub.repository import metadata_load
from huggingface_hub.repository import metadata_save
from huggingface_hub.repository import repo_type_and_id_from_hf_id
from huggingface_hub.repository import run_subprocess
from huggingface_hub.repository import SoftTemporaryDirectory
from huggingface_hub.repository import TypedDict
from huggingface_hub.repository import urlparse
from huggingface_hub.repository import validate_hf_hub_args

# Sentinels / Constants / Objects
from huggingface_hub.repository import Callable
from huggingface_hub.repository import Dict
from huggingface_hub.repository import Iterator
from huggingface_hub.repository import LFS_MULTIPART_UPLOAD_COMMAND
from huggingface_hub.repository import List
from huggingface_hub.repository import logger
from huggingface_hub.repository import Optional
from huggingface_hub.repository import Tuple
from huggingface_hub.repository import Union

```

huggingface_hub.serialization

Classes

```

[
    StateDictSplit
]

```

Functions

```

[
    get_tf_storage_size,
    get_torch_storage_id,
    get_torch_storage_size,
    load_state_dict_from_file,
    load_torch_model,
    save_torch_model,
    save_torch_state_dict,
    split_state_dict_into_shards_factory,
    split_tf_state_dict_into_shards,
    split_torch_state_dict_into_shards
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from huggingface_hub.serialization import StateDictSplit

# Functions
from huggingface_hub.serialization import get_tf_storage_size
from huggingface_hub.serialization import get_torch_storage_id
from huggingface_hub.serialization import get_torch_storage_size
from huggingface_hub.serialization import load_state_dict_from_file
from huggingface_hub.serialization import load_torch_model
from huggingface_hub.serialization import save_torch_model
from huggingface_hub.serialization import save_torch_state_dict
from huggingface_hub.serialization import split_state_dict_into_shards_factory
from huggingface_hub.serialization import split_tf_state_dict_into_shards
from huggingface_hub.serialization import split_torch_state_dict_into_shards

# Sentinels / Constants / Objects

```


(none)

huggingface_hub.utils

Classes

```
[
    BadRequestError,
    CachedFileInfo,
    CachedRepoInfo,
    CachedRevisionInfo,
    CacheNotFound,
    CorruptedCacheException,
    DeleteCacheStrategy,
    DisabledRepoError,
    EntryNotFoundError,
    FileMetadataError,
    GatedRepoError,
    HFCacheInfo,
    HfFolder,
    HfHubHTTPError,
    HFValidationError,
    LocalEntryNotFoundError,
    LocalTokenNotFoundError,
    NotASafetensorsRepoError,
    OfflineModeIsEnabled,
    RepositoryNotFoundError,
    RevisionNotFoundError,
    SafetensorsFileMetadata,
    SafetensorsParsingError,
    SafetensorsRepoMetadata,
    TensorInfo,
    tqdm,
    XetConnectionInfo,
    XetFileData,
    XetTokenType
]
```

Functions

```
[
    are_progressBars_disabled,
    build_hf_headers,
    cached_assets_path,
    capture_output,
    chunk_iterable,
    configure_http_backend,
    disable_progressBars,
    dump_environment_info,
    enable_progressBars,
    experimental,
    fetch_xet_connection_info_from_repo_info,
    filter_repo_objects,
    fix_hf_endpoint_in_url,
    get_aiohttp_version,
    get_fastai_version,
    get_fastapi_version,
    get_fastcore_version,
    get_gradio_version,
    get_graphviz_version,
    get_hf_hub_version,
    get_hf_transfer_version,
    get_jinja_version,
    get_numpy_version,
    get_pillow_version,
```

```

get_pydantic_version,
get_pydot_version,
get_python_version,
get_session,
get_stored_tokens,
get_tensorboard_version,
get_tf_version,
get_token,
get_token_to_send,
get_torch_version,
hf_raise_for_status,
http_backoff,
is_aiohttp_available,
is_colab_enterprise,
is_fastai_available,
is_fastapi_available,
is_fastcore_available,
is_google_colab,
is_gradio_available,
is_graphviz_available,
is_hf_transfer_available,
is_jinja_available,
is_jsonable,
is_notebook,
is_numpy_available,
is_package_available,
is_pillow_available,
is_pydantic_available,
is_pydot_available,
is_safetensors_available,
is_simple_optional_type,
is_tensorboard_available,
is_tf_available,
is_torch_available,
list_credential_helpers,
paginate,
parse_datetime,
parse_xet_file_data_from_response,
refresh_xet_connection_info,
reset_sessions,
run_interactive_subprocess,
run_subprocess,
scan_cache_dir,
send_telemetry,
set_git_credential,
smoothly_deprecate_use_auth_token,
SoftTemporaryDirectory,
tqdm_stream_file,
unset_git_credential,
unwrap_simple_optional_type,
validate_hf_hub_args,
validate_repo_id,
WeakFileLock
]
Sentinels / Constants / Objects
[
    DEFAULT_IGNORE_PATTERNS,
    FORBIDDEN_FOLDERS,
    yaml_dump
]
Import statements
from huggingface_hub.utils import BadRequestError

```

```
from huggingface_hub.utils import CachedFileInfo
from huggingface_hub.utils import CachedRepoInfo
from huggingface_hub.utils import CachedRevisionInfo
from huggingface_hub.utils import CacheNotFound
from huggingface_hub.utils import CorruptedCacheException
from huggingface_hub.utils import DeleteCacheStrategy
from huggingface_hub.utils import DisabledRepoError
from huggingface_hub.utils import EntryNotFoundError
from huggingface_hub.utils import FileMetadataError
from huggingface_hub.utils import GatedRepoError
from huggingface_hub.utils import HFCacheInfo
from huggingface_hub.utils import HfFolder
from huggingface_hub.utils import HfHubHTTPError
from huggingface_hub.utils import HFValidationError
from huggingface_hub.utils import LocalEntryNotFoundError
from huggingface_hub.utils import LocalTokenNotFoundError
from huggingface_hub.utils import NotASafetensorsRepoError
from huggingface_hub.utils import OfflineModeIsEnabled
from huggingface_hub.utils import RepositoryNotFoundError
from huggingface_hub.utils import RevisionNotFoundError
from huggingface_hub.utils import SafetensorsFileMetadata
from huggingface_hub.utils import SafetensorsParsingError
from huggingface_hub.utils import SafetensorsRepoMetadata
from huggingface_hub.utils import TensorInfo
from huggingface_hub.utils import tqdm
from huggingface_hub.utils import XetConnectionInfo
from huggingface_hub.utils import XetFileData
from huggingface_hub.utils import XetTokenType
```

Functions

```
from huggingface_hub.utils import are_progressBars_disabled
from huggingface_hub.utils import build_hf_headers
from huggingface_hub.utils import cached_assets_path
from huggingface_hub.utils import capture_output
from huggingface_hub.utils import chunk_iterable
from huggingface_hub.utils import configure_http_backend
from huggingface_hub.utils import disable_progressBars
from huggingface_hub.utils import dump_environment_info
from huggingface_hub.utils import enable_progressBars
from huggingface_hub.utils import experimental
from huggingface_hub.utils import fetch_xet_connection_info_from_repo_info
from huggingface_hub.utils import filter_repo_objects
from huggingface_hub.utils import fix_hf_endpoint_in_url
from huggingface_hub.utils import get_aiohttp_version
from huggingface_hub.utils import get_fastai_version
from huggingface_hub.utils import get_fastapi_version
from huggingface_hub.utils import get_fastcore_version
from huggingface_hub.utils import get_gradio_version
from huggingface_hub.utils import get_graphviz_version
from huggingface_hub.utils import get_hf_hub_version
from huggingface_hub.utils import get_hf_transfer_version
from huggingface_hub.utils import get_jinja_version
from huggingface_hub.utils import get_numpy_version
from huggingface_hub.utils import get_pillow_version
from huggingface_hub.utils import get_pydantic_version
from huggingface_hub.utils import get_pydot_version
from huggingface_hub.utils import get_python_version
from huggingface_hub.utils import get_session
from huggingface_hub.utils import get_stored_tokens
from huggingface_hub.utils import get_tensorboard_version
from huggingface_hub.utils import get_tf_version
from huggingface_hub.utils import get_token
```

```

from huggingface_hub.utils import get_token_to_send
from huggingface_hub.utils import get_torch_version
from huggingface_hub.utils import hf_raise_for_status
from huggingface_hub.utils import http_backoff
from huggingface_hub.utils import is_aiohttp_available
from huggingface_hub.utils import is_colab_enterprise
from huggingface_hub.utils import is_fastai_available
from huggingface_hub.utils import is_fastapi_available
from huggingface_hub.utils import is_fastcore_available
from huggingface_hub.utils import is_google_colab
from huggingface_hub.utils import is_gradio_available
from huggingface_hub.utils import is_graphviz_available
from huggingface_hub.utils import is_hf_transfer_available
from huggingface_hub.utils import is_jinja_available
from huggingface_hub.utils import is_jsonable
from huggingface_hub.utils import is_notebook
from huggingface_hub.utils import is_numpy_available
from huggingface_hub.utils import is_package_available
from huggingface_hub.utils import is_pillow_available
from huggingface_hub.utils import is_pydantic_available
from huggingface_hub.utils import is_pydot_available
from huggingface_hub.utils import is_safetensors_available
from huggingface_hub.utils import is_simple_optional_type
from huggingface_hub.utils import is_tensorboard_available
from huggingface_hub.utils import is_tf_available
from huggingface_hub.utils import is_torch_available
from huggingface_hub.utils import list_credential_helpers
from huggingface_hub.utils import paginate
from huggingface_hub.utils import parse_datetime
from huggingface_hub.utils import parse_xet_file_data_from_response
from huggingface_hub.utils import refresh_xet_connection_info
from huggingface_hub.utils import reset_sessions
from huggingface_hub.utils import run_interactive_subprocess
from huggingface_hub.utils import run_subprocess
from huggingface_hub.utils import scan_cache_dir
from huggingface_hub.utils import send_telemetry
from huggingface_hub.utils import set_git_credential
from huggingface_hub.utils import smoothly_deprecate_use_auth_token
from huggingface_hub.utils import SoftTemporaryDirectory
from huggingface_hub.utils import tqdm_stream_file
from huggingface_hub.utils import unset_git_credential
from huggingface_hub.utils import unwrap_simple_optional_type
from huggingface_hub.utils import validate_hf_hub_args
from huggingface_hub.utils import validate_repo_id
from huggingface_hub.utils import WeakFileLock

# Sentinels / Constants / Objects
from huggingface_hub.utils import DEFAULT_IGNORE_PATTERNS
from huggingface_hub.utils import FORBIDDEN_FOLDERS
from huggingface_hub.utils import yaml_dump

```

Distribution: peft

Total public modules: 12

peft

Classes

[

```
AdaLoraConfig,  
AdaLoraModel,  
AdaptionPromptConfig,  
AdaptionPromptModel,  
AutoPeftModel,  
AutoPeftModelForCausalLM,  
AutoPeftModelForFeatureExtraction,  
AutoPeftModelForQuestionAnswering,  
AutoPeftModelForSeq2SeqLM,  
AutoPeftModelForSequenceClassification,  
AutoPeftModelForTokenClassification,  
BOFTConfig,  
BOFTModel,  
BoneConfig,  
BoneModel,  
C3AConfig,  
C3AModel,  
CPTConfig,  
CPTEmbedding,  
EvaConfig,  
FourierFTConfig,  
FourierFTModel,  
HRAConfig,  
HRAModel,  
IA3Config,  
IA3Model,  
LNTuningConfig,  
LNTuningModel,  
LoftQConfig,  
LoHaConfig,  
LoHaModel,  
LoKrConfig,  
LoKrModel,  
LoraConfig,  
LoraModel,  
LoraRuntimeConfig,  
MissConfig,  
MissModel,  
MultitaskPromptTuningConfig,  
MultitaskPromptTuningInit,  
OFTConfig,  
OFTModel,  
PeftConfig,  
PeftMixedModel,  
PeftModel,  
PeftModelForCausalLM,  
PeftModelForFeatureExtraction,  
PeftModelForQuestionAnswering,  
PeftModelForSeq2SeqLM,  
PeftModelForSequenceClassification,  
PeftModelForTokenClassification,  
PeftType,  
PolyConfig,  
PolyModel,
```

```

PrefixEncoder,
PrefixTuningConfig,
PromptEmbedding,
PromptEncoder,
PromptEncoderConfig,
PromptEncoderReparameterizationType,
PromptLearningConfig,
PromptTuningConfig,
PromptTuningInit,
RandLoraConfig,
RandLoraModel,
ShiraConfig,
ShiraModel,
TaskType,
TrainableTokensConfig,
TrainableTokensModel,
VBLoRAConfig,
VBLoRAConfig,
VBLoRAModel,
VeraConfig,
VeraModel,
XLoraConfig,
XLoraModel

```

]

Functions

```

[
    bloom_model_postprocess_past_key_value,
    cast_mixed_precision_params,
    get_eva_state_dict,
    get_layer_status,
    get_model_status,
    get_peft_config,
    get_peft_model,
    get_peft_model_state_dict,
    initialize_lora_eva_weights,
    inject_adapter_in_model,
    load_peft_weights,
    prepare_model_for_kbit_training,
    replace_lora_weights_loftq,
    set_peft_model_state_dict,
    shift_tokens_right

```

]

Sentinels / Constants / Objects

```

[
    MODEL_TYPE_TO_PEFT_MODEL_MAPPING,
    PEFT_TYPE_TO_CONFIG_MAPPING,
    PEFT_TYPE_TO_MIXED_MODEL_MAPPING,
    PEFT_TYPE_TO_TUNER_MAPPING,
    TRANSFORMERS_MODELS_TO_PREFIX_TUNING_POSTPROCESS_MAPPING

```

]

Import statements

```

from peft import AdaLoraConfig
from peft import AdaLoraModel
from peft import AdaptionPromptConfig
from peft import AdaptionPromptModel
from peft import AutoPeftModel
from peft import AutoPeftModelForCausalLM
from peft import AutoPeftModelForFeatureExtraction
from peft import AutoPeftModelForQuestionAnswering
from peft import AutoPeftModelForSeq2SeqLM
from peft import AutoPeftModelForSequenceClassification
from peft import AutoPeftModelForTokenClassification

```

```
from peft import BOFTConfig
from peft import BOFTModel
from peft import BoneConfig
from peft import BoneModel
from peft import C3AConfig
from peft import C3AModel
from peft import CPTConfig
from peft import CPTEmbedding
from peft import EvaConfig
from peft import FourierFTConfig
from peft import FourierFTModel
from peft import HRAConfig
from peft import HRAModel
from peft import IA3Config
from peft import IA3Model
from peft import LNTuningConfig
from peft import LNTuningModel
from peft import LoftQConfig
from peft import LoHaConfig
from peft import LoHaModel
from peft import LoKrConfig
from peft import LoKrModel
from peft import LoraConfig
from peft import LoraModel
from peft import LoraRuntimeConfig
from peft import MissConfig
from peft import MissModel
from peft import MultitaskPromptTuningConfig
from peft import MultitaskPromptTuningInit
from peft import OFTConfig
from peft import OFTModel
from peft import PeftConfig
from peft import PeftMixedModel
from peft import PeftModel
from peft import PeftModelForCausalLM
from peft import PeftModelForFeatureExtraction
from peft import PeftModelForQuestionAnswering
from peft import PeftModelForSeq2SeqLM
from peft import PeftModelForSequenceClassification
from peft import PeftModelForTokenClassification
from peft import PeftType
from peft import PolyConfig
from peft import PolyModel
from peft import PrefixEncoder
from peft import PrefixTuningConfig
from peft import PromptEmbedding
from peft import PromptEncoder
from peft import PromptEncoderConfig
from peft import PromptEncoderReparameterizationType
from peft import PromptLearningConfig
from peft import PromptTuningConfig
from peft import PromptTuningInit
from peft import RandLoraConfig
from peft import RandLoraModel
from peft import ShiraConfig
from peft import ShiraModel
from peft import TaskType
from peft import TrainableTokensConfig
from peft import TrainableTokensModel
from peft import VBLoRAConfig
from peft import VBLoRAConfig
from peft import VBLoRAModel
```

```

from peft import VeraConfig
from peft import VeraModel
from peft import XLoraConfig
from peft import XLoraModel

# Functions
from peft import bloom_model_postprocess_past_key_value
from peft import cast_mixed_precision_params
from peft import get_eva_state_dict
from peft import get_layer_status
from peft import get_model_status
from peft import get_peft_config
from peft import get_peft_model
from peft import get_peft_model_state_dict
from peft import initialize_lora_eva_weights
from peft import inject_adapter_in_model
from peft import load_peft_weights
from peft import prepare_model_for_kbit_training
from peft import replace_lora_weights_loftq
from peft import set_peft_model_state_dict
from peft import shift_tokens_right

# Sentinels / Constants / Objects
from peft import MODEL_TYPE_TO_PEFT_MODEL_MAPPING
from peft import PEFT_TYPE_TO_CONFIG_MAPPING
from peft import PEFT_TYPE_TO_MIXED_MODEL_MAPPING
from peft import PEFT_TYPE_TO_TUNER_MAPPING
from peft import TRANSFORMERS_MODELS_TO_PREFIX_TUNING_POSTPROCESS_MAPPING

```

peft.auto

Classes

```

[
    AutoModel,
    AutoModelForCausalLM,
    AutoModelForQuestionAnswering,
    AutoModelForSeq2SeqLM,
    AutoModelForSequenceClassification,
    AutoModelForTokenClassification,
    AutoPeftModel,
    AutoPeftModelForCausalLM,
    AutoPeftModelForFeatureExtraction,
    AutoPeftModelForQuestionAnswering,
    AutoPeftModelForSeq2SeqLM,
    AutoPeftModelForSequenceClassification,
    AutoPeftModelForTokenClassification,
    AutoTokenizer,
    PeftConfig,
    PeftModel,
    PeftModelForCausalLM,
    PeftModelForFeatureExtraction,
    PeftModelForQuestionAnswering,
    PeftModelForSeq2SeqLM,
    PeftModelForSequenceClassification,
    PeftModelForTokenClassification
]

```

Functions

```

[
    check_file_exists_on_hf_hub
]

```

Sentinels / Constants / Objects

```

[

```



```

    annotations,
    MODEL_TYPE_TO_PEFT_MODEL_MAPPING,
    Optional,
    TOKENIZER_CONFIG_NAME
]
Import statements
from peft.auto import AutoModel
from peft.auto import AutoModelForCausalLM
from peft.auto import AutoModelForQuestionAnswering
from peft.auto import AutoModelForSeq2SeqLM
from peft.auto import AutoModelForSequenceClassification
from peft.auto import AutoModelForTokenClassification
from peft.auto import AutoPeftModel
from peft.auto import AutoPeftModelForCausalLM
from peft.auto import AutoPeftModelForFeatureExtraction
from peft.auto import AutoPeftModelForQuestionAnswering
from peft.auto import AutoPeftModelForSeq2SeqLM
from peft.auto import AutoPeftModelForSequenceClassification
from peft.auto import AutoPeftModelForTokenClassification
from peft.auto import AutoTokenizer
from peft.auto import PeftConfig
from peft.auto import PeftModel
from peft.auto import PeftModelForCausalLM
from peft.auto import PeftModelForFeatureExtraction
from peft.auto import PeftModelForQuestionAnswering
from peft.auto import PeftModelForSeq2SeqLM
from peft.auto import PeftModelForSequenceClassification
from peft.auto import PeftModelForTokenClassification

# Functions
from peft.auto import check_file_exists_on_hf_hub

# Sentinels / Constants / Objects
from peft.auto import annotations
from peft.auto import MODEL_TYPE_TO_PEFT_MODEL_MAPPING
from peft.auto import Optional
from peft.auto import TOKENIZER_CONFIG_NAME

```

peft.config

Classes

```

[
    PeftConfig,
    PeftConfigMixin,
    PeftType,
    PromptLearningConfig,
    PushToHubMixin,
    TaskType
]

```

Functions

```

[
    asdict,
    dataclass,
    field,
    hf_hub_download,
    http_user_agent
]

```

Sentinels / Constants / Objects

```

[
    CONFIG_NAME,
    MIN_EXPECTED_CONFIG_KEYS,
    Optional,
]

```

```

    Union
]
Import statements
from peft.config import PeftConfig
from peft.config import PeftConfigMixin
from peft.config import PeftType
from peft.config import PromptLearningConfig
from peft.config import PushToHubMixin
from peft.config import TaskType

# Functions
from peft.config import asdict
from peft.config import dataclass
from peft.config import field
from peft.config import hf_hub_download
from peft.config import http_user_agent

# Sentinels / Constants / Objects
from peft.config import CONFIG_NAME
from peft.config import MIN_EXPECTED_CONFIG_KEYS
from peft.config import Optional
from peft.config import Union

```

peft.helpers

Classes

```

[
    BaseTunerLayer,
    LoraLayer,
    MethodType,
    PeftConfig,
    PeftModel
]

```

Functions

```

[
    check_if_peft_model,
    contextmanager,
    deepcopy,
    disable_input_dtype_casting,
    rescale_adapter_scale,
    update_forward_signature,
    update_generate_signature,
    update_signature,
    update_wrapper
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from peft.helpers import BaseTunerLayer
from peft.helpers import LoraLayer
from peft.helpers import MethodType
from peft.helpers import PeftConfig
from peft.helpers import PeftModel

```

Functions

```

from peft.helpers import check_if_peft_model
from peft.helpers import contextmanager
from peft.helpers import deepcopy
from peft.helpers import disable_input_dtype_casting
from peft.helpers import rescale_adapter_scale
from peft.helpers import update_forward_signature
from peft.helpers import update_generate_signature

```

```
from peft.helpers import update_signature
from peft.helpers import update_wrapper
```

```
# Sentinels / Constants / Objects
(none)
```

peft.import_utils

Classes

```
[]
```

Functions

```
[
    lru_cache
]
```

Sentinels / Constants / Objects

```
[
    is_aqlm_available,
    is_auto_awq_available,
    is_auto_gptq_available,
    is_bnb_4bit_available,
    is_bnb_available,
    is_diffusers_available,
    is_eetq_available,
    is_gptqmodel_available,
    is_hqq_available,
    is_inc_available,
    is_optimum_available,
    is_torch_tpu_available,
    is_torchao_available,
    is_xpu_available
]
```

Import statements

```
(none)
```

Functions

```
from peft.import_utils import lru_cache
```

Sentinels / Constants / Objects

```
from peft.import_utils import is_aqlm_available
from peft.import_utils import is_auto_awq_available
from peft.import_utils import is_auto_gptq_available
from peft.import_utils import is_bnb_4bit_available
from peft.import_utils import is_bnb_available
from peft.import_utils import is_diffusers_available
from peft.import_utils import is_eetq_available
from peft.import_utils import is_gptqmodel_available
from peft.import_utils import is_hqq_available
from peft.import_utils import is_inc_available
from peft.import_utils import is_optimum_available
from peft.import_utils import is_torch_tpu_available
from peft.import_utils import is_torchao_available
from peft.import_utils import is_xpu_available
```

peft.mapping

Classes

```
[
    Any,
    PeftType
]
```

Functions

```
[
```

```

    get_peft_config,
    inject_adapter_in_model
]

```

Sentinels / Constants / Objects

```

[
    annotations,
    Optional,
    PEFT_TYPE_TO_CONFIG_MAPPING,
    PEFT_TYPE_TO_MIXED_MODEL_MAPPING,
    PEFT_TYPE_TO_PREFIX_MAPPING,
    PEFT_TYPE_TO_TUNER_MAPPING,
    TYPE_CHECKING
]

```

Import statements

```

from peft.mapping import Any
from peft.mapping import PeftType

```

Functions

```

from peft.mapping import get_peft_config
from peft.mapping import inject_adapter_in_model

```

Sentinels / Constants / Objects

```

from peft.mapping import annotations
from peft.mapping import Optional
from peft.mapping import PEFT_TYPE_TO_CONFIG_MAPPING
from peft.mapping import PEFT_TYPE_TO_MIXED_MODEL_MAPPING
from peft.mapping import PEFT_TYPE_TO_PREFIX_MAPPING
from peft.mapping import PEFT_TYPE_TO_TUNER_MAPPING
from peft.mapping import TYPE_CHECKING

```

peft.mapping_func

Classes

```

[
    BaseTuner,
    BaseTunerLayer,
    PeftConfig,
    PeftMixedModel,
    PeftModel,
    PreTrainedModel
]

```

Functions

```

[
    get_peft_model
]

```

Sentinels / Constants / Objects

```

[
    annotations,
    MODEL_TYPE_TO_PEFT_MODEL_MAPPING,
    Optional,
    PEFT_TYPE_TO_CONFIG_MAPPING,
    PEFT_TYPE_TO_PREFIX_MAPPING
]

```

Import statements

```

from peft.mapping_func import BaseTuner
from peft.mapping_func import BaseTunerLayer
from peft.mapping_func import PeftConfig
from peft.mapping_func import PeftMixedModel
from peft.mapping_func import PeftModel
from peft.mapping_func import PreTrainedModel

```

Functions

```

from peft.mapping_func import get_peft_model

# Sentinels / Constants / Objects
from peft.mapping_func import annotations
from peft.mapping_func import MODEL_TYPE_TO_PEFT_MODEL_MAPPING
from peft.mapping_func import Optional
from peft.mapping_func import PEFT_TYPE_TO_CONFIG_MAPPING
from peft.mapping_func import PEFT_TYPE_TO_PREFIX_MAPPING

```

peft.mixed_model

Classes

```

[
    Any,
    MixedModel,
    PeftConfig,
    PeftMixedModel,
    PeftModel,
    PushToHubMixin
]

```

Functions

```

[
    contextmanager,
    remove_hook_from_submodules
]

```

Sentinels / Constants / Objects

```

[
    annotations,
    DUMMY_MODEL_CONFIG,
    Optional,
    Union
]

```

Import statements

```

from peft.mixed_model import Any
from peft.mixed_model import MixedModel
from peft.mixed_model import PeftConfig
from peft.mixed_model import PeftMixedModel
from peft.mixed_model import PeftModel
from peft.mixed_model import PushToHubMixin

# Functions
from peft.mixed_model import contextmanager
from peft.mixed_model import remove_hook_from_submodules

# Sentinels / Constants / Objects
from peft.mixed_model import annotations
from peft.mixed_model import DUMMY_MODEL_CONFIG
from peft.mixed_model import Optional
from peft.mixed_model import Union

```

peft.optimizers

Classes

```

[]

```

Functions

```

[
    create_lorafa_optimizer,
    create_loraplus_optimizer
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

(none)

```
# Functions
from peft.optimizers import create_lorafa_optimizer
from peft.optimizers import create_loraplus_optimizer
```

```
# Sentinels / Constants / Objects
(none)
```

peft.peft_model

Classes

```
[
    AlignDevicesHook,
    Any,
    BaseTuner,
    BaseTunerLayer,
    BCEWithLogitsLoss,
    Cache,
    CrossEntropyLoss,
    DynamicCache,
    EncoderDecoderCache,
    HfFileSystem,
    HybridCache,
    ModelCard,
    ModelCardData,
    MSELoss,
    nullcontext,
    PeftConfig,
    PeftModel,
    PeftModelForCausalLM,
    PeftModelForFeatureExtraction,
    PeftModelForQuestionAnswering,
    PeftModelForSeq2SeqLM,
    PeftModelForSequenceClassification,
    PeftModelForTokenClassification,
    PeftType,
    PreTrainedModel,
    PushToHubMixin,
    QuestionAnsweringModelOutput,
    safe_open,
    SequenceClassifierOutput,
    TaskType,
    TokenClassifierOutput,
    TunerLayerStatus,
    TunerModelStatus
]
```

Functions

```
[
    add_hook_to_module,
    contextmanager,
    create_attention_mask,
    dataclass,
    deepcopy,
    dispatch_model,
    get_balanced_memory,
    get_layer_status,
    get_model_status,
    get_peft_model_state_dict,
    hf_hub_download,
    id_tensor_storage,
    infer_auto_device_map,
```

```

infer_device,
init_empty_weights,
load_peft_weights,
map_cache_to_layer_device_map,
named_module_tensors,
remove_hook_from_submodules,
safe_save_file,
set_additional_trainable_modules,
set_peft_model_state_dict,
shift_tokens_right
]

```

Sentinels / Constants / Objects

```

[
    annotations,
    DUMMY_MODEL_CONFIG,
    Literal,
    Optional,
    PEFT_TYPE_TO_CONFIG_MAPPING,
    PEFT_TYPE_TO_PREFIX_MAPPING,
    PEFT_TYPE_TO_TUNER_MAPPING,
    SAFETENSORS_WEIGHTS_NAME,
    TRANSFORMERS_MODELS_TO_PREFIX_TUNING_POSTPROCESS_MAPPING,
    Union,
    WEIGHTS_NAME
]

```

Import statements

```

from peft.peft_model import AlignDevicesHook
from peft.peft_model import Any
from peft.peft_model import BaseTuner
from peft.peft_model import BaseTunerLayer
from peft.peft_model import BCEWithLogitsLoss
from peft.peft_model import Cache
from peft.peft_model import CrossEntropyLoss
from peft.peft_model import DynamicCache
from peft.peft_model import EncoderDecoderCache
from peft.peft_model import HfFileSystem
from peft.peft_model import HybridCache
from peft.peft_model import ModelCard
from peft.peft_model import ModelCardData
from peft.peft_model import MSELoss
from peft.peft_model import nullcontext
from peft.peft_model import PeftConfig
from peft.peft_model import PeftModel
from peft.peft_model import PeftModelForCausalLM
from peft.peft_model import PeftModelForFeatureExtraction
from peft.peft_model import PeftModelForQuestionAnswering
from peft.peft_model import PeftModelForSeq2SeqLM
from peft.peft_model import PeftModelForSequenceClassification
from peft.peft_model import PeftModelForTokenClassification
from peft.peft_model import PeftType
from peft.peft_model import PreTrainedModel
from peft.peft_model import PushToHubMixin
from peft.peft_model import QuestionAnsweringModelOutput
from peft.peft_model import safe_open
from peft.peft_model import SequenceClassifierOutput
from peft.peft_model import TaskType
from peft.peft_model import TokenClassifierOutput
from peft.peft_model import TunerLayerStatus
from peft.peft_model import TunerModelStatus

```

Functions

```

from peft.peft_model import add_hook_to_module

```

```

from peft.peft_model import contextmanager
from peft.peft_model import create_attention_mask
from peft.peft_model import dataclass
from peft.peft_model import deepcopy
from peft.peft_model import dispatch_model
from peft.peft_model import get_balanced_memory
from peft.peft_model import get_layer_status
from peft.peft_model import get_model_status
from peft.peft_model import get_peft_model_state_dict
from peft.peft_model import hf_hub_download
from peft.peft_model import id_tensor_storage
from peft.peft_model import infer_auto_device_map
from peft.peft_model import infer_device
from peft.peft_model import init_empty_weights
from peft.peft_model import load_peft_weights
from peft.peft_model import map_cache_to_layer_device_map
from peft.peft_model import named_module_tensors
from peft.peft_model import remove_hook_from_submodules
from peft.peft_model import safe_save_file
from peft.peft_model import set_additional_trainable_modules
from peft.peft_model import set_peft_model_state_dict
from peft.peft_model import shift_tokens_right

# Sentinels / Constants / Objects
from peft.peft_model import annotations
from peft.peft_model import DUMMY_MODEL_CONFIG
from peft.peft_model import Literal
from peft.peft_model import Optional
from peft.peft_model import PEFT_TYPE_TO_CONFIG_MAPPING
from peft.peft_model import PEFT_TYPE_TO_PREFIX_MAPPING
from peft.peft_model import PEFT_TYPE_TO_TUNER_MAPPING
from peft.peft_model import SAFETENSORS_WEIGHTS_NAME
from peft.peft_model import TRANSFORMERS_MODELS_TO_PREFIX_TUNING_POSTPROCESS_MAPPING
from peft.peft_model import Union
from peft.peft_model import WEIGHTS_NAME

```

peft.tuners

Classes

```

[
    AdaLoraConfig,
    AdaLoraModel,
    AdaptionPromptConfig,
    AdaptionPromptModel,
    BOFTConfig,
    BOFTModel,
    BoneConfig,
    BoneModel,
    C3AConfig,
    C3AModel,
    CPTConfig,
    CPTEmbedding,
    EvaConfig,
    FourierFTConfig,
    FourierFTModel,
    HRACConfig,
    HRAModel,
    IA3Config,
    IA3Model,
    LNTuningConfig,
    LNTuningModel,
    LoftQConfig,

```



```

LoHaConfig,
LoHaModel,
LoKrConfig,
LoKrModel,
LoraConfig,
LoraModel,
LoraRuntimeConfig,
MissConfig,
MissModel,
MixedModel,
MultitaskPromptEmbedding,
MultitaskPromptTuningConfig,
MultitaskPromptTuningInit,
OFTConfig,
OFTModel,
PolyConfig,
PolyModel,
PrefixEncoder,
PrefixTuningConfig,
PromptEmbedding,
PromptEncoder,
PromptEncoderConfig,
PromptEncoderReparameterizationType,
PromptTuningConfig,
PromptTuningInit,
RandLoraConfig,
RandLoraModel,
ShiraConfig,
ShiraModel,
TrainableTokensConfig,
TrainableTokensModel,
VBLoRAConfig,
VBLoRAModel,
VeraConfig,
VeraModel,
XLoraConfig,
XLoraModel
]

```

Functions

```

[
    get_eva_state_dict,
    initialize_lora_eva_weights
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from peft.tuners import AdaLoraConfig
from peft.tuners import AdaLoraModel
from peft.tuners import AdaptionPromptConfig
from peft.tuners import AdaptionPromptModel
from peft.tuners import BOFTConfig
from peft.tuners import BOFTModel
from peft.tuners import BoneConfig
from peft.tuners import BoneModel
from peft.tuners import C3AConfig
from peft.tuners import C3AModel
from peft.tuners import CPTConfig
from peft.tuners import CPTEmbedding
from peft.tuners import EvaConfig
from peft.tuners import FourierFTConfig
from peft.tuners import FourierFTModel
from peft.tuners import HRACConfig

```

```

from peft.tuners import HRAModel
from peft.tuners import IA3Config
from peft.tuners import IA3Model
from peft.tuners import LNTuningConfig
from peft.tuners import LNTuningModel
from peft.tuners import LoftQConfig
from peft.tuners import LoHaConfig
from peft.tuners import LoHaModel
from peft.tuners import LoKrConfig
from peft.tuners import LoKrModel
from peft.tuners import LoraConfig
from peft.tuners import LoraModel
from peft.tuners import LoraRuntimeConfig
from peft.tuners import MissConfig
from peft.tuners import MissModel
from peft.tuners import MixedModel
from peft.tuners import MultitaskPromptEmbedding
from peft.tuners import MultitaskPromptTuningConfig
from peft.tuners import MultitaskPromptTuningInit
from peft.tuners import OFTConfig
from peft.tuners import OFTModel
from peft.tuners import PolyConfig
from peft.tuners import PolyModel
from peft.tuners import PrefixEncoder
from peft.tuners import PrefixTuningConfig
from peft.tuners import PromptEmbedding
from peft.tuners import PromptEncoder
from peft.tuners import PromptEncoderConfig
from peft.tuners import PromptEncoderReparameterizationType
from peft.tuners import PromptTuningConfig
from peft.tuners import PromptTuningInit
from peft.tuners import RandLoraConfig
from peft.tuners import RandLoraModel
from peft.tuners import ShiraConfig
from peft.tuners import ShiraModel
from peft.tuners import TrainableTokensConfig
from peft.tuners import TrainableTokensModel
from peft.tuners import VBLORAConfig
from peft.tuners import VBLORAModel
from peft.tuners import VeraConfig
from peft.tuners import VeraModel
from peft.tuners import XLoraConfig
from peft.tuners import XLoraModel

# Functions
from peft.tuners import get_eva_state_dict
from peft.tuners import initialize_lora_eva_weights

# Sentinels / Constants / Objects
(none)

```

peft.utils

Classes

```

[
    AuxiliaryTrainingWrapper,
    ModulesToSaveWrapper,
    PeftType,
    TaskType
]

```

Functions

```

[

```

```

bloom_model_postprocess_past_key_value,
cast_mixed_precision_params,
get_auto_gptq_quant_linear,
get_gptqmodel_quant_linear,
get_peft_model_state_dict,
get_quantization_config,
id_tensor_storage,
infer_device,
load_peft_weights,
map_cache_to_layer_device_map,
prepare_model_for_kbit_training,
register_peft_method,
replace_lora_weights_loftq,
set_additional_trainable_modules,
set_peft_model_state_dict,
shift_tokens_right,
transpose
]

```

Sentinels / Constants / Objects

```

[
    CONFIG_NAME,
    INCLUDE_LINEAR_LAYERS_SHORTHAND,
    SAFETENSORS_WEIGHTS_NAME,
    TRANSFORMERS_MODELS_TO_ADALORA_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_C3A_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_FOURIERFT_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_IA3_FEEDFORWARD_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_IA3_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_LNTUNING_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_LOHA_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_LOKR_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_LORA_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_PREFIX_TUNING_POSTPROCESS_MAPPING,
    TRANSFORMERS_MODELS_TO_RANDLORA_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_SHIRA_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_VBLORA_TARGET_MODULES_MAPPING,
    TRANSFORMERS_MODELS_TO_VERA_TARGET_MODULES_MAPPING,
    WEIGHTS_NAME
]

```

Import statements

```

from peft.utils import AuxiliaryTrainingWrapper
from peft.utils import ModulesToSaveWrapper
from peft.utils import PeftType
from peft.utils import TaskType

```

Functions

```

from peft.utils import bloom_model_postprocess_past_key_value
from peft.utils import cast_mixed_precision_params
from peft.utils import get_auto_gptq_quant_linear
from peft.utils import get_gptqmodel_quant_linear
from peft.utils import get_peft_model_state_dict
from peft.utils import get_quantization_config
from peft.utils import id_tensor_storage
from peft.utils import infer_device
from peft.utils import load_peft_weights
from peft.utils import map_cache_to_layer_device_map
from peft.utils import prepare_model_for_kbit_training
from peft.utils import register_peft_method
from peft.utils import replace_lora_weights_loftq
from peft.utils import set_additional_trainable_modules
from peft.utils import set_peft_model_state_dict
from peft.utils import shift_tokens_right

```

```
from peft.utils import transpose

# Sentinels / Constants / Objects
from peft.utils import CONFIG_NAME
from peft.utils import INCLUDE_LINEAR_LAYERS_SHORTHAND
from peft.utils import SAFETENSORS_WEIGHTS_NAME
from peft.utils import TRANSFORMERS_MODELS_TO_ADALORA_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_C3A_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_FOURIERFT_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_IA3_FEEDFORWARD_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_IA3_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_LNTUNING_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_LOHA_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_LOKR_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_LORA_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_PREFIX_TUNING_POSTPROCESS_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_RANDLORA_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_SHIRA_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_VBLORA_TARGET_MODULES_MAPPING
from peft.utils import TRANSFORMERS_MODELS_TO_VERA_TARGET_MODULES_MAPPING
from peft.utils import WEIGHTS_NAME
```

Distribution: safetensors

Total public modules: 7

safetensors

Classes

```
[
    safe_open,
    SafetensorError
]
```

Functions

```
[
    deserialize,
    serialize,
    serialize_file
]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from safetensors import safe_open
from safetensors import SafetensorError
```

Functions

```
from safetensors import deserialize
from safetensors import serialize
from safetensors import serialize_file
```

Sentinels / Constants / Objects

```
(none)
```

safetensors.flax

Classes

```
[
    Array,
    safe_open
]
```

Functions

```
[
    load,
    load_file,
    save,
    save_file
]
```

Sentinels / Constants / Objects

```
[
    Dict,
    Optional,
    Union
]
```

Import statements

```
from safetensors.flax import Array
from safetensors.flax import safe_open
```

Functions

```
from safetensors.flax import load
from safetensors.flax import load_file
from safetensors.flax import save
from safetensors.flax import save_file
```

Sentinels / Constants / Objects

```
from safetensors.flax import Dict
from safetensors.flax import Optional
from safetensors.flax import Union
```

safetensors.mlx

Classes

```
[]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
(none)
```

```
# Functions
```

```
(none)
```

```
# Sentinels / Constants / Objects
```

```
(none)
```

safetensors.numpy

Classes

```
[
    safe_open
]
```

Functions

```
[
    deserialize,
    load,
    load_file,
    save,
    save_file,
    serialize,
    serialize_file
]
```

Sentinels / Constants / Objects

```
[
    Dict,
    Optional,
    Union
]
```

Import statements

```
from safetensors.numpy import safe_open
```

```
# Functions
```

```
from safetensors.numpy import deserialize
from safetensors.numpy import load
from safetensors.numpy import load_file
from safetensors.numpy import save
from safetensors.numpy import save_file
from safetensors.numpy import serialize
from safetensors.numpy import serialize_file
```

```
# Sentinels / Constants / Objects
```

```
from safetensors.numpy import Dict
from safetensors.numpy import Optional
from safetensors.numpy import Union
```

safetensors.paddle

Classes

[]

Functions

[]

Sentinels / Constants / Objects

[]

Import statements

(none)

Functions

(none)

Sentinels / Constants / Objects

(none)

safetensors.tensorflow

Classes

```
[
    safe_open
]
```

Functions

```
[
    load,
    load_file,
    save,
    save_file
]
```

Sentinels / Constants / Objects

```
[
    Dict,
    Optional,
    Union
]
```

Import statements

```
from safetensors.tensorflow import safe_open
```

Functions

```
from safetensors.tensorflow import load
from safetensors.tensorflow import load_file
from safetensors.tensorflow import save
from safetensors.tensorflow import save_file
```

Sentinels / Constants / Objects

```
from safetensors.tensorflow import Dict
from safetensors.tensorflow import Optional
from safetensors.tensorflow import Union
```

safetensors.torch

Classes

```
[
    Any,
    defaultdict,
    safe_open,
    Version
]
```

Functions

```
[
    deserialize,
    load,
    load_file,
]
```

```
load_model,  
save,  
save_file,  
save_model,  
serialize,  
serialize_file,  
storage_ptr,  
storage_size
```

```
]
```

Sentinels / Constants / Objects

```
[
```

```
Dict,  
List,  
Optional,  
Set,  
Tuple,  
Union
```

```
]
```

Import statements

```
from safetensors.torch import Any  
from safetensors.torch import defaultdict  
from safetensors.torch import safe_open  
from safetensors.torch import Version
```

Functions

```
from safetensors.torch import deserialize  
from safetensors.torch import load  
from safetensors.torch import load_file  
from safetensors.torch import load_model  
from safetensors.torch import save  
from safetensors.torch import save_file  
from safetensors.torch import save_model  
from safetensors.torch import serialize  
from safetensors.torch import serialize_file  
from safetensors.torch import storage_ptr  
from safetensors.torch import storage_size
```

Sentinels / Constants / Objects

```
from safetensors.torch import Dict  
from safetensors.torch import List  
from safetensors.torch import Optional  
from safetensors.torch import Set  
from safetensors.torch import Tuple  
from safetensors.torch import Union
```


Distribution: tokenizers

Total public modules: 10

tokenizers

Classes

```
[
    AddedToken,
    BertWordPieceTokenizer,
    ByteLevelBPETokenizer,
    CharBPETokenizer,
    Encoding,
    Enum,
    NormalizedString,
    OffsetReferential,
    OffsetType,
    PreTokenizedString,
    Regex,
    SentencePieceBPETokenizer,
    SentencePieceUnigramTokenizer,
    SplitDelimiterBehavior,
    TextInputSequence,
    Token,
    Tokenizer
]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[
    EncodeInput,
    InputSequence,
    List,
    Offsets,
    PreTokenizedEncodeInput,
    PreTokenizedInputSequence,
    TextEncodeInput,
    Tuple,
    Union
]
```

Import statements

```
from tokenizers import AddedToken
from tokenizers import BertWordPieceTokenizer
from tokenizers import ByteLevelBPETokenizer
from tokenizers import CharBPETokenizer
from tokenizers import Encoding
from tokenizers import Enum
from tokenizers import NormalizedString
from tokenizers import OffsetReferential
from tokenizers import OffsetType
from tokenizers import PreTokenizedString
from tokenizers import Regex
from tokenizers import SentencePieceBPETokenizer
from tokenizers import SentencePieceUnigramTokenizer
from tokenizers import SplitDelimiterBehavior
from tokenizers import TextInputSequence
from tokenizers import Token
from tokenizers import Tokenizer
```

Functions

(none)

Sentinels / Constants / Objects

```
from tokenizers import EncodeInput
from tokenizers import InputSequence
from tokenizers import List
from tokenizers import Offsets
from tokenizers import PreTokenizedEncodeInput
from tokenizers import PreTokenizedInputSequence
from tokenizers import TextEncodeInput
from tokenizers import Tuple
from tokenizers import Union
```

tokenizers.decoders

Classes

```
[
    BPEDecoder,
    ByteFallback,
    ByteLevel,
    CTC,
    Decoder,
    DecodeStream,
    Fuse,
    Metaspace,
    Replace,
    Sequence,
    Strip,
    WordPiece
]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from tokenizers.decoders import BPEDecoder
from tokenizers.decoders import ByteFallback
from tokenizers.decoders import ByteLevel
from tokenizers.decoders import CTC
from tokenizers.decoders import Decoder
from tokenizers.decoders import DecodeStream
from tokenizers.decoders import Fuse
from tokenizers.decoders import Metaspace
from tokenizers.decoders import Replace
from tokenizers.decoders import Sequence
from tokenizers.decoders import Strip
from tokenizers.decoders import WordPiece
```

```
# Functions
(none)
```

```
# Sentinels / Constants / Objects
(none)
```

tokenizers.implementations

Classes

```
[
    BaseTokenizer,
    BertWordPieceTokenizer,
    ByteLevelBPETokenizer,
    CharBPETokenizer,
    SentencePieceBPETokenizer,
    SentencePieceUnigramTokenizer
]
```

Functions

[]

Sentinels / Constants / Objects

[]

Import statements

```
from tokenizers.implementations import BaseTokenizer
from tokenizers.implementations import BertWordPieceTokenizer
from tokenizers.implementations import ByteLevelBPETokenizer
from tokenizers.implementations import CharBPETokenizer
from tokenizers.implementations import SentencePieceBPETokenizer
from tokenizers.implementations import SentencePieceUnigramTokenizer
```

Functions

(none)

Sentinels / Constants / Objects

(none)

tokenizers.models

Classes

```
[
    BPE,
    Model,
    Unigram,
    WordLevel,
    WordPiece
]
```

Functions

[]

Sentinels / Constants / Objects

[]

Import statements

```
from tokenizers.models import BPE
from tokenizers.models import Model
from tokenizers.models import Unigram
from tokenizers.models import WordLevel
from tokenizers.models import WordPiece
```

Functions

(none)

Sentinels / Constants / Objects

(none)

tokenizers.normalizers

Classes

```
[
    BertNormalizer,
    ByteLevel,
    Lowercase,
    NFC,
    NFD,
    NFKC,
    NFKD,
    Nmt,
    Normalizer,
    Precompiled,
    Prepend,
    Replace,
    Sequence,
```

```

    Strip,
    StripAccents
]
Functions
[
    unicode_normalizer_from_str
]
Sentinels / Constants / Objects
[
    NORMALIZERS
]
Import statements
from tokenizers.normalizers import BertNormalizer
from tokenizers.normalizers import ByteLevel
from tokenizers.normalizers import Lowercase
from tokenizers.normalizers import NFC
from tokenizers.normalizers import NFD
from tokenizers.normalizers import NFKC
from tokenizers.normalizers import NFKD
from tokenizers.normalizers import Nmt
from tokenizers.normalizers import Normalizer
from tokenizers.normalizers import Precompiled
from tokenizers.normalizers import Prepend
from tokenizers.normalizers import Replace
from tokenizers.normalizers import Sequence
from tokenizers.normalizers import Strip
from tokenizers.normalizers import StripAccents

# Functions
from tokenizers.normalizers import unicode_normalizer_from_str

# Sentinels / Constants / Objects
from tokenizers.normalizers import NORMALIZERS

```

tokenizers.pre_tokenizers

Classes

```

[
    BertPreTokenizer,
    ByteLevel,
    CharDelimiterSplit,
    Digits,
    FixedLength,
    Metaspace,
    PreTokenizer,
    Punctuation,
    Sequence,
    Split,
    UnicodeScripts,
    Whitespace,
    WhitespaceSplit
]
Functions
[ ]
Sentinels / Constants / Objects
[ ]
Import statements
from tokenizers.pre_tokenizers import BertPreTokenizer
from tokenizers.pre_tokenizers import ByteLevel
from tokenizers.pre_tokenizers import CharDelimiterSplit
from tokenizers.pre_tokenizers import Digits
from tokenizers.pre_tokenizers import FixedLength

```

```

from tokenizers.pre_tokenizers import Metaspace
from tokenizers.pre_tokenizers import PreTokenizer
from tokenizers.pre_tokenizers import Punctuation
from tokenizers.pre_tokenizers import Sequence
from tokenizers.pre_tokenizers import Split
from tokenizers.pre_tokenizers import UnicodeScripts
from tokenizers.pre_tokenizers import Whitespace
from tokenizers.pre_tokenizers import WhitespaceSplit

```

```

# Functions
(none)

```

```

# Sentinels / Constants / Objects
(none)

```

tokenizers.processors

Classes

```

[
    BertProcessing,
    ByteLevel,
    PostProcessor,
    RobertaProcessing,
    Sequence,
    TemplateProcessing
]

```

Functions

```

[]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from tokenizers.processors import BertProcessing
from tokenizers.processors import ByteLevel
from tokenizers.processors import PostProcessor
from tokenizers.processors import RobertaProcessing
from tokenizers.processors import Sequence
from tokenizers.processors import TemplateProcessing

```

```

# Functions
(none)

```

```

# Sentinels / Constants / Objects
(none)

```

tokenizers.tokenizers

Classes

```

[
    AddedToken,
    Encoding,
    NormalizedString,
    PreTokenizedString,
    Regex,
    Token,
    Tokenizer
]

```

Functions

```

[]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from tokenizers.tokenizers import AddedToken

```

```
from tokenizers.tokenizers import Encoding
from tokenizers.tokenizers import NormalizedString
from tokenizers.tokenizers import PreTokenizedString
from tokenizers.tokenizers import Regex
from tokenizers.tokenizers import Token
from tokenizers.tokenizers import Tokenizer
```

```
# Functions
(none)
```

```
# Sentinels / Constants / Objects
(none)
```

tokenizers.tools

Classes

```
[
    Annotation,
    EncodingVisualizer
]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from tokenizers.tools import Annotation
from tokenizers.tools import EncodingVisualizer
```

```
# Functions
(none)
```

```
# Sentinels / Constants / Objects
(none)
```

tokenizers.trainers

Classes

```
[
    BpeTrainer,
    Trainer,
    UnigramTrainer,
    WordLevelTrainer,
    WordPieceTrainer
]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from tokenizers.trainers import BpeTrainer
from tokenizers.trainers import Trainer
from tokenizers.trainers import UnigramTrainer
from tokenizers.trainers import WordLevelTrainer
from tokenizers.trainers import WordPieceTrainer
```

```
# Functions
(none)
```

```
# Sentinels / Constants / Objects
(none)
```

Distribution: transformers

Total public modules: 77

transformers

Classes

```
[
    Adafactor,
    AdamWeightDecay,
    AdaptiveEmbedding,
    AddedToken,
    Aimv2Config,
    Aimv2Model,
    Aimv2PreTrainedModel,
    Aimv2TextConfig,
    Aimv2TextModel,
    Aimv2VisionConfig,
    Aimv2VisionModel,
    AlbertConfig,
    AlbertForMaskedLM,
    AlbertForMultipleChoice,
    AlbertForPreTraining,
    AlbertForQuestionAnswering,
    AlbertForSequenceClassification,
    AlbertForTokenClassification,
    AlbertModel,
    AlbertOnnxConfig,
    AlbertPreTrainedModel,
    AlbertTokenizer,
    AlbertTokenizerFast,
    AlignConfig,
    AlignModel,
    AlignPreTrainedModel,
    AlignProcessor,
    AlignTextConfig,
    AlignTextModel,
    AlignVisionConfig,
    AlignVisionModel,
    AltCLIPConfig,
    AltCLIPModel,
    AltCLIPPreTrainedModel,
    AltCLIPProcessor,
    AltCLIPTextConfig,
    AltCLIPTextModel,
    AltCLIPVisionConfig,
    AltCLIPVisionModel,
    AlternatingCodebooksLogitsProcessor,
    AqlmConfig,
    ArceeConfig,
    ArceeForCausalLM,
    ArceeForQuestionAnswering,
    ArceeForSequenceClassification,
    ArceeForTokenClassification,
    ArceeModel,
    ArceePreTrainedModel,
    AriaConfig,
    AriaForConditionalGeneration,
    AriaImageProcessor,
    AriaModel,
    AriaPreTrainedModel,
    AriaProcessor,
```

AriaTextConfig,
AriaTextForCausalLM,
AriaTextModel,
AriaTextPreTrainedModel,
ASTConfig,
ASTFeatureExtractor,
ASTForAudioClassification,
ASTModel,
ASTPreTrainedModel,
AsyncTextIteratorStreamer,
AttentionInterface,
AttentionMaskInterface,
AudioClassificationPipeline,
AutoBackbone,
AutoConfig,
AutoFeatureExtractor,
AutoformerConfig,
AutoformerForPrediction,
AutoformerModel,
AutoformerPreTrainedModel,
AutoImageProcessor,
AutomaticSpeechRecognitionPipeline,
AutoModel,
AutoModelForAudioClassification,
AutoModelForAudioFrameClassification,
AutoModelForAudioTokenization,
AutoModelForAudioXVector,
AutoModelForCausalLM,
AutoModelForCTC,
AutoModelForDepthEstimation,
AutoModelForDocumentQuestionAnswering,
AutoModelForImageClassification,
AutoModelForImageSegmentation,
AutoModelForImageTextToText,
AutoModelForImageToImage,
AutoModelForInstanceSegmentation,
AutoModelForKeypointDetection,
AutoModelForKeypointMatching,
AutoModelForMaskedImageModeling,
AutoModelForMaskedLM,
AutoModelForMaskGeneration,
AutoModelForMultipleChoice,
AutoModelForNextSentencePrediction,
AutoModelForObjectDetection,
AutoModelForPreTraining,
AutoModelForQuestionAnswering,
AutoModelForSemanticSegmentation,
AutoModelForSeq2SeqLM,
AutoModelForSequenceClassification,
AutoModelForSpeechSeq2Seq,
AutoModelForTableQuestionAnswering,
AutoModelForTextEncoding,
AutoModelForTextToSpectrogram,
AutoModelForTextToWaveform,
AutoModelForTimeSeriesPrediction,
AutoModelForTokenClassification,
AutoModelForUniversalSegmentation,
AutoModelForVideoClassification,
AutoModelForVision2Seq,
AutoModelForVisualQuestionAnswering,
AutoModelForZeroShotImageClassification,
AutoModelForZeroShotObjectDetection,

AutoModelWithLMHead,
AutoProcessor,
AutoRoundConfig,
AutoTokenizer,
AutoVideoProcessor,
AwqConfig,
AyaVisionConfig,
AyaVisionForConditionalGeneration,
AyaVisionModel,
AyaVisionPreTrainedModel,
AyaVisionProcessor,
BambaConfig,
BambaForCausalLM,
BambaModel,
BambaPreTrainedModel,
BarkCausalModel,
BarkCoarseConfig,
BarkCoarseModel,
BarkConfig,
BarkFineConfig,
BarkFineModel,
BarkModel,
BarkPreTrainedModel,
BarkProcessor,
BarkSemanticConfig,
BarkSemanticModel,
BartConfig,
BartForCausalLM,
BartForConditionalGeneration,
BartForQuestionAnswering,
BartForSequenceClassification,
BarthezTokenizer,
BarthezTokenizerFast,
BartModel,
BartOnnxConfig,
BartphoTokenizer,
BartPretrainedModel,
BartPreTrainedModel,
BartTokenizer,
BartTokenizerFast,
BaseImageProcessor,
BaseImageProcessorFast,
BaseVideoProcessor,
BasicTokenizer,
BatchEncoding,
BatchFeature,
BayesianDetectorConfig,
BayesianDetectorModel,
BeamScorer,
BeamSearchScorer,
BeitBackbone,
BeitConfig,
BeitFeatureExtractor,
BeitForImageClassification,
BeitForMaskedImageModeling,
BeitForSemanticSegmentation,
BeitImageProcessor,
BeitImageProcessorFast,
BeitModel,
BeitOnnxConfig,
BeitPreTrainedModel,
BertConfig,

BertForMaskedLM,
BertForMultipleChoice,
BertForNextSentencePrediction,
BertForPreTraining,
BertForQuestionAnswering,
BertForSequenceClassification,
BertForTokenClassification,
BertGenerationConfig,
BertGenerationDecoder,
BertGenerationEncoder,
BertGenerationPreTrainedModel,
BertGenerationTokenizer,
BertJapaneseTokenizer,
BertLayer,
BertLMHeadModel,
BertModel,
BertOnnxConfig,
BertPreTrainedModel,
BertTokenizer,
BertTokenizerFast,
BertweetTokenizer,
BigBirdConfig,
BigBirdForCausalLM,
BigBirdForMaskedLM,
BigBirdForMultipleChoice,
BigBirdForPreTraining,
BigBirdForQuestionAnswering,
BigBirdForSequenceClassification,
BigBirdForTokenClassification,
BigBirdLayer,
BigBirdModel,
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MODEL_FOR_VISION_2_SEQ_MAPPING,
MODEL_FOR_VISUAL_QUESTION_ANSWERING_MAPPING,
MODEL_FOR_ZERO_SHOT_IMAGE_CLASSIFICATION_MAPPING,
MODEL_FOR_ZERO_SHOT_OBJECT_DETECTION_MAPPING,
MODEL_MAPPING,
MODEL_NAMES_MAPPING,
MODEL_WITH_LM_HEAD_MAPPING,
PROCESSOR_MAPPING,
PYTORCH_PRETRAINED_BERT_CACHE,
PYTORCH_TRANSFORMERS_CACHE,
ROPE_INIT_FUNCTIONS,
SLOW_TO_FAST_CONVERTERS,
SPIECE_UNDERLINE,
TF2_WEIGHTS_NAME,
TF_MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING,
TF_MODEL_FOR_CAUSAL_LM_MAPPING,
TF_MODEL_FOR_DOCUMENT_QUESTION_ANSWERING_MAPPING,
TF_MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING,
TF_MODEL_FOR_MASK_GENERATION_MAPPING,

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TF_MODEL_FOR_MASKED_IMAGE_MODELING_MAPPING,
TF_MODEL_FOR_MASKED_LM_MAPPING,
TF_MODEL_FOR_MULTIPLE_CHOICE_MAPPING,
TF_MODEL_FOR_NEXT_SENTENCE_PREDICTION_MAPPING,
TF_MODEL_FOR_PRETRAINING_MAPPING,
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TF_MODEL_FOR_SEMANTIC_SEGMENTATION_MAPPING,
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TOKENIZER_MAPPING,
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VIDEO_PROCESSOR_MAPPING,
WEIGHTS_NAME,
xnli_output_modes,
xnli_processors,
xnli_tasks_num_labels,
ZOEDEPTH_PRETRAINED_CONFIG_ARCHIVE_MAP
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Import statements

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from transformers import DiaEncoderConfig
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from transformers import GroundingDinoProcessor
from transformers import GroupViTConfig
from transformers import GroupViTModel
from transformers import GroupViTOnnxConfig
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from transformers import IdeficsConfig
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from transformers import OmDetTurboForObjectDetection
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from transformers import PatchTSMixerForTimeSeriesClassification
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from transformers import PretrainedFSMTModel
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from transformers import Qwen2_5OmniPreTrainedModelForConditionalGeneration
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from transformers import Qwen2_5OmniThinkerForConditionalGeneration
from transformers import Qwen2_5OmniThinkerTextModel
from transformers import Qwen2_5OmniToken2WavBigVGANModel
from transformers import Qwen2_5OmniToken2WavConfig
from transformers import Qwen2_5OmniToken2WavDiTModel
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from transformers import RagRetriever
from transformers import RagSequenceForGeneration
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from transformers import RealmRetriever
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from transformers import SwitchTransformersSparseMLP
from transformers import SwitchTransformersTop1Router
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from transformers import SynthIDTextWatermarkingConfig
from transformers import SynthIDTextWatermarkLogitsProcessor
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from transformers import T5Model
from transformers import T5OnnxConfig
from transformers import T5PreTrainedModel
from transformers import T5Tokenizer
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from transformers import TextClassificationPipeline
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from transformers import TFAutoModelForZeroShotImageClassification
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from transformers import TFBlerenderbotSmallModel
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from transformers import TFConvNextV2Model
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from transformers import TFCTRLLMHeadModel
from transformers import TFCTRLModel
```



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from transformers import TFFlaubertForTokenClassification
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from transformers import TFForceTokensLogitsProcessor
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from transformers import TFTopKLogitsWarper
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from transformers import TvpProcessor
from transformers import TypicalLogitsWarper
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from transformers import VisualBertForMultipleChoice
from transformers import VisualBertForPreTraining
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from transformers import VisualBertForRegionToPhraseAlignment
from transformers import VisualBertForVisualReasoning
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from transformers import ViTMSNPreTrainedModel
from transformers import ViTOnnxConfig
from transformers import ViTPoseBackbone
from transformers import ViTPoseBackboneConfig
from transformers import ViTPoseBackbonePreTrainedModel
```



```
from transformers import VitPoseConfig
from transformers import VitPoseForPoseEstimation
from transformers import VitPoseImageProcessor
from transformers import VitPosePreTrainedModel
from transformers import ViTPreTrainedModel
from transformers import VitsConfig
from transformers import VitsModel
from transformers import VitsPreTrainedModel
from transformers import VitsTokenizer
from transformers import VivitConfig
from transformers import VivitForVideoClassification
from transformers import VivitImageProcessor
from transformers import VivitModel
from transformers import VivitPreTrainedModel
from transformers import VJEPA2Config
from transformers import VJEPA2ForVideoClassification
from transformers import VJEPA2Model
from transformers import VJEPA2PreTrainedModel
from transformers import VJEPA2VideoProcessor
from transformers import VoxtralConfig
from transformers import VoxtralEncoder
from transformers import VoxtralEncoderConfig
from transformers import VoxtralForConditionalGeneration
from transformers import VoxtralPreTrainedModel
from transformers import VoxtralProcessor
from transformers import VptqConfig
from transformers import WarmUp
from transformers import WatermarkDetector
from transformers import WatermarkingConfig
from transformers import WatermarkLogitsProcessor
from transformers import Wav2Vec2BertConfig
from transformers import Wav2Vec2BertForAudioFrameClassification
from transformers import Wav2Vec2BertForCTC
from transformers import Wav2Vec2BertForSequenceClassification
from transformers import Wav2Vec2BertForXVector
from transformers import Wav2Vec2BertModel
from transformers import Wav2Vec2BertPreTrainedModel
from transformers import Wav2Vec2BertProcessor
from transformers import Wav2Vec2Config
from transformers import Wav2Vec2ConformerConfig
from transformers import Wav2Vec2ConformerForAudioFrameClassification
from transformers import Wav2Vec2ConformerForCTC
from transformers import Wav2Vec2ConformerForPreTraining
from transformers import Wav2Vec2ConformerForSequenceClassification
from transformers import Wav2Vec2ConformerForXVector
from transformers import Wav2Vec2ConformerModel
from transformers import Wav2Vec2ConformerPreTrainedModel
from transformers import Wav2Vec2CTCTokenizer
from transformers import Wav2Vec2FeatureExtractor
from transformers import Wav2Vec2ForAudioFrameClassification
from transformers import Wav2Vec2ForCTC
from transformers import Wav2Vec2ForMaskedLM
from transformers import Wav2Vec2ForPreTraining
from transformers import Wav2Vec2ForSequenceClassification
from transformers import Wav2Vec2ForXVector
from transformers import Wav2Vec2Model
from transformers import Wav2Vec2PhonemeCTCTokenizer
from transformers import Wav2Vec2PreTrainedModel
from transformers import Wav2Vec2Processor
from transformers import Wav2Vec2ProcessorWithLM
from transformers import Wav2Vec2Tokenizer
from transformers import WavLMConfig
```

```
from transformers import WavLMForAudioFrameClassification
from transformers import WavLMForCTC
from transformers import WavLMForSequenceClassification
from transformers import WavLMForXVector
from transformers import WavLMModel
from transformers import WavLMPreTrainedModel
from transformers import WhisperConfig
from transformers import WhisperFeatureExtractor
from transformers import WhisperForAudioClassification
from transformers import WhisperForCausalLM
from transformers import WhisperForConditionalGeneration
from transformers import WhisperModel
from transformers import WhisperOnnxConfig
from transformers import WhisperPreTrainedModel
from transformers import WhisperProcessor
from transformers import WhisperTimeStampLogitsProcessor
from transformers import WhisperTokenizer
from transformers import WhisperTokenizerFast
from transformers import WordpieceTokenizer
from transformers import XCLIPConfig
from transformers import XCLIPModel
from transformers import XCLIPPreTrainedModel
from transformers import XCLIPProcessor
from transformers import XCLIPTextConfig
from transformers import XCLIPTextModel
from transformers import XCLIPVisionConfig
from transformers import XCLIPVisionModel
from transformers import XGLMConfig
from transformers import XGLMForCausalLM
from transformers import XGLMModel
from transformers import XGLMPreTrainedModel
from transformers import XGLMTokenizer
from transformers import XGLMTokenizerFast
from transformers import XLMConfig
from transformers import XLMForMultipleChoice
from transformers import XLMForQuestionAnswering
from transformers import XLMForQuestionAnsweringSimple
from transformers import XLMForSequenceClassification
from transformers import XLMForTokenClassification
from transformers import XLMModel
from transformers import XLMOnnxConfig
from transformers import XLMPreTrainedModel
from transformers import XLMPProphetNetConfig
from transformers import XLMPProphetNetDecoder
from transformers import XLMPProphetNetEncoder
from transformers import XLMPProphetNetForCausalLM
from transformers import XLMPProphetNetForConditionalGeneration
from transformers import XLMPProphetNetModel
from transformers import XLMPProphetNetPreTrainedModel
from transformers import XLMPProphetNetTokenizer
from transformers import XLMRobertaConfig
from transformers import XLMRobertaForCausalLM
from transformers import XLMRobertaForMaskedLM
from transformers import XLMRobertaForMultipleChoice
from transformers import XLMRobertaForQuestionAnswering
from transformers import XLMRobertaForSequenceClassification
from transformers import XLMRobertaForTokenClassification
from transformers import XLMRobertaModel
from transformers import XLMRobertaOnnxConfig
from transformers import XLMRobertaPreTrainedModel
from transformers import XLMRobertaTokenizer
from transformers import XLMRobertaTokenizerFast
```

```
from transformers import XLMRobertaXLConfig
from transformers import XLMRobertaXLForCausalLM
from transformers import XLMRobertaXLForMaskedLM
from transformers import XLMRobertaXLForMultipleChoice
from transformers import XLMRobertaXLForQuestionAnswering
from transformers import XLMRobertaXLForSequenceClassification
from transformers import XLMRobertaXLForTokenClassification
from transformers import XLMRobertaXLModel
from transformers import XLMRobertaXLOnnxConfig
from transformers import XLMRobertaXLPreTrainedModel
from transformers import XLMTokenizer
from transformers import XLMWithLMHeadModel
from transformers import XLNetConfig
from transformers import XLNetForMultipleChoice
from transformers import XLNetForQuestionAnswering
from transformers import XLNetForQuestionAnsweringSimple
from transformers import XLNetForSequenceClassification
from transformers import XLNetForTokenClassification
from transformers import XLNetLMHeadModel
from transformers import XLNetModel
from transformers import XLNetPreTrainedModel
from transformers import XLNetTokenizer
from transformers import XLNetTokenizerFast
from transformers import xLSTMConfig
from transformers import xLSTMForCausalLM
from transformers import xLSTMModel
from transformers import xLSTMPreTrainedModel
from transformers import XmodConfig
from transformers import XmodForCausalLM
from transformers import XmodForMaskedLM
from transformers import XmodForMultipleChoice
from transformers import XmodForQuestionAnswering
from transformers import XmodForSequenceClassification
from transformers import XmodForTokenClassification
from transformers import XmodModel
from transformers import XmodOnnxConfig
from transformers import XmodPreTrainedModel
from transformers import YolosConfig
from transformers import YolosFeatureExtractor
from transformers import YolosForObjectDetection
from transformers import YolosImageProcessor
from transformers import YolosImageProcessorFast
from transformers import YolosModel
from transformers import YolosOnnxConfig
from transformers import YolosPreTrainedModel
from transformers import YosoConfig
from transformers import YosoForMaskedLM
from transformers import YosoForMultipleChoice
from transformers import YosoForQuestionAnswering
from transformers import YosoForSequenceClassification
from transformers import YosoForTokenClassification
from transformers import YosoLayer
from transformers import YosoModel
from transformers import YosoPreTrainedModel
from transformers import Zamba2Config
from transformers import Zamba2ForCausalLM
from transformers import Zamba2ForSequenceClassification
from transformers import Zamba2Model
from transformers import Zamba2PreTrainedModel
from transformers import ZambaConfig
from transformers import ZambaForCausalLM
from transformers import ZambaForSequenceClassification
```

```

from transformers import ZambaModel
from transformers import ZambaPreTrainedModel
from transformers import ZeroShotAudioClassificationPipeline
from transformers import ZeroShotClassificationPipeline
from transformers import ZeroShotImageClassificationPipeline
from transformers import ZeroShotObjectDetectionPipeline
from transformers import ZoeDepthConfig
from transformers import ZoeDepthForDepthEstimation
from transformers import ZoeDepthImageProcessor
from transformers import ZoeDepthImageProcessorFast
from transformers import ZoeDepthPreTrainedModel

# Functions
from transformers import add_end_docstrings
from transformers import add_start_docstrings
from transformers import apply_chunking_to_forward
from transformers import convert_and_export_with_cache
from transformers import convert_slow_tokenizer
from transformers import convert_tf_weight_name_to_pt_weight_name
from transformers import create_optimizer
from transformers import default_data_collator
from transformers import dynamic_rope_update
from transformers import enable_full_determinism
from transformers import get_constant_schedule
from transformers import get_constant_schedule_with_warmup
from transformers import get_cosine_schedule_with_warmup
from transformers import get_cosine_with_hard_restarts_schedule_with_warmup
from transformers import get_inverse_sqrt_schedule
from transformers import get_linear_schedule_with_warmup
from transformers import get_polynomial_decay_schedule_with_warmup
from transformers import get_scheduler
from transformers import get_values
from transformers import get_wsd_schedule
from transformers import glue_compute_metrics
from transformers import glue_convert_examples_to_features
from transformers import is_apex_available
from transformers import is_av_available
from transformers import is_clearml_available
from transformers import is_comet_available
from transformers import is_datasets_available
from transformers import is_dvclive_available
from transformers import is_faiss_available
from transformers import is_flax_available
from transformers import is_keras_nlp_available
from transformers import is_matplotlib_available
from transformers import is_neptune_available
from transformers import is_optuna_available
from transformers import is_phonemizer_available
from transformers import is_psutil_available
from transformers import is_py3nvml_available
from transformers import is_pyctcdecode_available
from transformers import is_ray_available
from transformers import is_ray_tune_available
from transformers import is_sacremoses_available
from transformers import is_safetensors_available
from transformers import is_scipy_available
from transformers import is_sentencepiece_available
from transformers import is_sigopt_available
from transformers import is_sklearn_available
from transformers import is_speech_available
from transformers import is_swanlab_available
from transformers import is_tensorboard_available

```

```

from transformers import is_tensorflow_text_available
from transformers import is_tf_available
from transformers import is_timm_available
from transformers import is_tokenizers_available
from transformers import is_torch_available
from transformers import is_torchvision_available
from transformers import is_trackio_available
from transformers import is_wandb_available
from transformers import load_pytorch_checkpoint_in_tf2_model
from transformers import load_pytorch_model_in_tf2_model
from transformers import load_pytorch_weights_in_tf2_model
from transformers import load_tf2_checkpoint_in_pytorch_model
from transformers import load_tf2_model_in_pytorch_model
from transformers import load_tf2_weights_in_pytorch_model
from transformers import load_tf_weights_in_albert
from transformers import load_tf_weights_in_bert
from transformers import load_tf_weights_in_bert_generation
from transformers import load_tf_weights_in_big_bird
from transformers import load_tf_weights_in_canine
from transformers import load_tf_weights_in_convbert
from transformers import load_tf_weights_in_electra
from transformers import load_tf_weights_in_funnel
from transformers import load_tf_weights_in_gpt2
from transformers import load_tf_weights_in_gpt_neo
from transformers import load_tf_weights_in_imagegpt
from transformers import load_tf_weights_in_mobilebert
from transformers import load_tf_weights_in_mobilenet_v1
from transformers import load_tf_weights_in_mobilenet_v2
from transformers import load_tf_weights_in_openai_gpt
from transformers import load_tf_weights_in_qdqbert
from transformers import load_tf_weights_in_realm
from transformers import load_tf_weights_in_rembert
from transformers import load_tf_weights_in_roc_bert
from transformers import load_tf_weights_in_roformer
from transformers import load_tf_weights_in_t5
from transformers import load_tf_weights_in_tapas
from transformers import load_tf_weights_in_trajectory_transformer
from transformers import load_tf_weights_in_transfo_xl
from transformers import load_tf_weights_in_xlnet
from transformers import model_addition_debugger_context
from transformers import pipeline
from transformers import prune_layer
from transformers import requires_backends
from transformers import set_seed
from transformers import shape_list
from transformers import squad_convert_examples_to_features
from transformers import torch_distributed_zero_first
from transformers import xnli_compute_metrics

```

Sentinels / Constants / Objects

```

from transformers import CONFIG_MAPPING
from transformers import CONFIG_NAME
from transformers import DataCollator
from transformers import FEATURE_EXTRACTOR_MAPPING
from transformers import FLAX_MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING
from transformers import FLAX_MODEL_FOR_CAUSAL_LM_MAPPING
from transformers import FLAX_MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING
from transformers import FLAX_MODEL_FOR_MASKED_LM_MAPPING
from transformers import FLAX_MODEL_FOR_MULTIPLE_CHOICE_MAPPING
from transformers import FLAX_MODEL_FOR_NEXT_SENTENCE_PREDICTION_MAPPING
from transformers import FLAX_MODEL_FOR_PRETRAINING_MAPPING
from transformers import FLAX_MODEL_FOR_QUESTION_ANSWERING_MAPPING

```

```
from transformers import FLAX_MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING
from transformers import FLAX_MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING
from transformers import FLAX_MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING
from transformers import FLAX_MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING
from transformers import FLAX_MODEL_FOR_VISION_2_SEQ_MAPPING
from transformers import FLAX_MODEL_MAPPING
from transformers import glue_output_modes
from transformers import glue_processors
from transformers import glue_tasks_num_labels
from transformers import IMAGE_PROCESSOR_MAPPING
from transformers import is_bitsandbytes_available
from transformers import is_torch_hpu_available
from transformers import is_torch_mlu_available
from transformers import is_torch_musa_available
from transformers import is_torch_neuroncore_available
from transformers import is_torch_npu_available
from transformers import is_torch_xla_available
from transformers import is_torch_xpu_available
from transformers import is_vision_available
from transformers import MODEL_CARD_NAME
from transformers import MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING
from transformers import MODEL_FOR_AUDIO_FRAME_CLASSIFICATION_MAPPING
from transformers import MODEL_FOR_AUDIO_TOKENIZATION_MAPPING
from transformers import MODEL_FOR_AUDIO_XVECTOR_MAPPING
from transformers import MODEL_FOR_BACKBONE_MAPPING
from transformers import MODEL_FOR_CAUSAL_IMAGE_MODELING_MAPPING
from transformers import MODEL_FOR_CAUSAL_LM_MAPPING
from transformers import MODEL_FOR CTC_MAPPING
from transformers import MODEL_FOR_DEPTH_ESTIMATION_MAPPING
from transformers import MODEL_FOR_DOCUMENT_QUESTION_ANSWERING_MAPPING
from transformers import MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING
from transformers import MODEL_FOR_IMAGE_MAPPING
from transformers import MODEL_FOR_IMAGE_SEGMENTATION_MAPPING
from transformers import MODEL_FOR_IMAGE_TEXT_TO_TEXT_MAPPING
from transformers import MODEL_FOR_IMAGE_TO_IMAGE_MAPPING
from transformers import MODEL_FOR_INSTANCE_SEGMENTATION_MAPPING
from transformers import MODEL_FOR_KEYPOINT_DETECTION_MAPPING
from transformers import MODEL_FOR_KEYPOINT_MATCHING_MAPPING
from transformers import MODEL_FOR_MASK_GENERATION_MAPPING
from transformers import MODEL_FOR_MASKED_IMAGE_MODELING_MAPPING
from transformers import MODEL_FOR_MASKED_LM_MAPPING
from transformers import MODEL_FOR_MULTIPLE_CHOICE_MAPPING
from transformers import MODEL_FOR_NEXT_SENTENCE_PREDICTION_MAPPING
from transformers import MODEL_FOR_OBJECT_DETECTION_MAPPING
from transformers import MODEL_FOR_PRETRAINING_MAPPING
from transformers import MODEL_FOR_QUESTION_ANSWERING_MAPPING
from transformers import MODEL_FOR_RETRIEVAL_MAPPING
from transformers import MODEL_FOR_SEMANTIC_SEGMENTATION_MAPPING
from transformers import MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING
from transformers import MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING
from transformers import MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING
from transformers import MODEL_FOR_TABLE_QUESTION_ANSWERING_MAPPING
from transformers import MODEL_FOR_TEXT_ENCODING_MAPPING
from transformers import MODEL_FOR_TEXT_TO_SPECTROGRAM_MAPPING
from transformers import MODEL_FOR_TEXT_TO_WAVEFORM_MAPPING
from transformers import MODEL_FOR_TIME_SERIES_CLASSIFICATION_MAPPING
from transformers import MODEL_FOR_TIME_SERIES_PREDICTION_MAPPING
from transformers import MODEL_FOR_TIME_SERIES_REGRESSION_MAPPING
from transformers import MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING
from transformers import MODEL_FOR_UNIVERSAL_SEGMENTATION_MAPPING
from transformers import MODEL_FOR_VIDEO_CLASSIFICATION_MAPPING
from transformers import MODEL_FOR_VISION_2_SEQ_MAPPING
```

```

from transformers import MODEL_FOR_VISUAL_QUESTION_ANSWERING_MAPPING
from transformers import MODEL_FOR_ZERO_SHOT_IMAGE_CLASSIFICATION_MAPPING
from transformers import MODEL_FOR_ZERO_SHOT_OBJECT_DETECTION_MAPPING
from transformers import MODEL_MAPPING
from transformers import MODEL_NAMES_MAPPING
from transformers import MODEL_WITH_LM_HEAD_MAPPING
from transformers import PROCESSOR_MAPPING
from transformers import PYTORCH_PRETRAINED_BERT_CACHE
from transformers import PYTORCH_TRANSFORMERS_CACHE
from transformers import ROPE_INIT_FUNCTIONS
from transformers import SLOW_TO_FAST_CONVERTERS
from transformers import SPIECE_UNDERLINE
from transformers import TF2_WEIGHTS_NAME
from transformers import TF_MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING
from transformers import TF_MODEL_FOR_CAUSAL_LM_MAPPING
from transformers import TF_MODEL_FOR_DOCUMENT_QUESTION_ANSWERING_MAPPING
from transformers import TF_MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING
from transformers import TF_MODEL_FOR_MASK_GENERATION_MAPPING
from transformers import TF_MODEL_FOR_MASKED_IMAGE_MODELING_MAPPING
from transformers import TF_MODEL_FOR_MASKED_LM_MAPPING
from transformers import TF_MODEL_FOR_MULTIPLE_CHOICE_MAPPING
from transformers import TF_MODEL_FOR_NEXT_SENTENCE_PREDICTION_MAPPING
from transformers import TF_MODEL_FOR_PRETRAINING_MAPPING
from transformers import TF_MODEL_FOR_QUESTION_ANSWERING_MAPPING
from transformers import TF_MODEL_FOR_SEMANTIC_SEGMENTATION_MAPPING
from transformers import TF_MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING
from transformers import TF_MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING
from transformers import TF_MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING
from transformers import TF_MODEL_FOR_TABLE_QUESTION_ANSWERING_MAPPING
from transformers import TF_MODEL_FOR_TEXT_ENCODING_MAPPING
from transformers import TF_MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING
from transformers import TF_MODEL_FOR_VISION_2_SEQ_MAPPING
from transformers import TF_MODEL_FOR_ZERO_SHOT_IMAGE_CLASSIFICATION_MAPPING
from transformers import TF_MODEL_MAPPING
from transformers import TF_MODEL_WITH_LM_HEAD_MAPPING
from transformers import TF_WEIGHTS_NAME
from transformers import TOKENIZER_MAPPING
from transformers import TRANSFORMERS_CACHE
from transformers import VIDEO_PROCESSOR_MAPPING
from transformers import WEIGHTS_NAME
from transformers import xnli_output_modes
from transformers import xnli_processors
from transformers import xnli_tasks_num_labels
from transformers import ZOEDPTH_PRETRAINED_CONFIG_ARCHIVE_MAP

```

transformers.activations

Classes

```

[
    AccurateGELUActivation,
    ClassInstantier,
    ClippedGELUActivation,
    FastGELUActivation,
    GELUActivation,
    LaplaceActivation,
    LinearActivation,
    MishActivation,
    NewGELUActivation,
    OrderedDict,
    PytorchGELUTanh,
    QuickGELUActivation,
    ReLUSquaredActivation,

```

```

    Tensor
]
Functions
[
    get_activation
]
Sentinels / Constants / Objects
[
    ACT2CLS,
    ACT2FN,
    gelu,
    gelu_fast,
    gelu_new,
    gelu_python,
    linear_act,
    logger,
    mish,
    quick_gelu,
    silu
]
Import statements
from transformers.activations import AccurateGELUActivation
from transformers.activations import ClassInstantier
from transformers.activations import ClippedGELUActivation
from transformers.activations import FastGELUActivation
from transformers.activations import GELUActivation
from transformers.activations import LaplaceActivation
from transformers.activations import LinearActivation
from transformers.activations import MishActivation
from transformers.activations import NewGELUActivation
from transformers.activations import OrderedDict
from transformers.activations import PytorchGELUTanh
from transformers.activations import QuickGELUActivation
from transformers.activations import ReLUSquaredActivation
from transformers.activations import Tensor

# Functions
from transformers.activations import get_activation

# Sentinels / Constants / Objects
from transformers.activations import ACT2CLS
from transformers.activations import ACT2FN
from transformers.activations import gelu
from transformers.activations import gelu_fast
from transformers.activations import gelu_new
from transformers.activations import gelu_python
from transformers.activations import linear_act
from transformers.activations import logger
from transformers.activations import mish
from transformers.activations import quick_gelu
from transformers.activations import silu

```

transformers.activations_tf

Classes

```
[ ]
```

Functions

```
[
    approximate_gelu_wrap,
    gelu,
    gelu_10,
    gelu_fast,

```



```
    gelu_new,  
    get_tf_activation,  
    glu,  
    mish,  
    parse,  
    quick_gelu
```

```
]
```

Sentinels / Constants / Objects

```
[
```

```
    ACT2FN
```

```
]
```

Import statements

```
(none)
```

Functions

```
from transformers.activations_tf import approximate_gelu_wrap  
from transformers.activations_tf import gelu  
from transformers.activations_tf import gelu_10  
from transformers.activations_tf import gelu_fast  
from transformers.activations_tf import gelu_new  
from transformers.activations_tf import get_tf_activation  
from transformers.activations_tf import glu  
from transformers.activations_tf import mish  
from transformers.activations_tf import parse  
from transformers.activations_tf import quick_gelu
```

Sentinels / Constants / Objects

```
from transformers.activations_tf import ACT2FN
```

transformers.audio_utils

Classes

```
[
```

```
    Any,  
    BytesIO
```

```
]
```

Functions

```
[
```

```
    amplitude_to_db,  
    amplitude_to_db_batch,  
    chroma_filter_bank,  
    hertz_to_mel,  
    hertz_to_octave,  
    is_librosa_available,  
    is_numpy_array,  
    is_soundfile_available,  
    is_torch_tensor,  
    is_valid_audio,  
    is_valid_list_of_audio,  
    load_audio,  
    load_audio_as,  
    make_list_of_audio,  
    mel_filter_bank,  
    mel_to_hertz,  
    optimal_fft_length,  
    power_to_db,  
    power_to_db_batch,  
    requires_backends,  
    spectrogram,  
    spectrogram_batch,  
    window_function
```

```
]
```

Sentinels / Constants / Objects

```
[
    AudioInput,
    Optional,
    Union
]
```

Import statements

```
from transformers.audio_utils import Any
from transformers.audio_utils import BytesIO
```

Functions

```
from transformers.audio_utils import amplitude_to_db
from transformers.audio_utils import amplitude_to_db_batch
from transformers.audio_utils import chroma_filter_bank
from transformers.audio_utils import hertz_to_mel
from transformers.audio_utils import hertz_to_octave
from transformers.audio_utils import is_librosa_available
from transformers.audio_utils import is_numpy_array
from transformers.audio_utils import is_soundfile_available
from transformers.audio_utils import is_torch_tensor
from transformers.audio_utils import is_valid_audio
from transformers.audio_utils import is_valid_list_of_audio
from transformers.audio_utils import load_audio
from transformers.audio_utils import load_audio_as
from transformers.audio_utils import make_list_of_audio
from transformers.audio_utils import mel_filter_bank
from transformers.audio_utils import mel_to_hertz
from transformers.audio_utils import optimal_fft_length
from transformers.audio_utils import power_to_db
from transformers.audio_utils import power_to_db_batch
from transformers.audio_utils import requires_backends
from transformers.audio_utils import spectrogram
from transformers.audio_utils import spectrogram_batch
from transformers.audio_utils import window_function
```

Sentinels / Constants / Objects

```
from transformers.audio_utils import AudioInput
from transformers.audio_utils import Optional
from transformers.audio_utils import Union
```

transformers.cache_utils

Classes

```
[
    ABC,
    Any,
    Cache,
    CacheConfig,
    CacheLayerMixin,
    CacheProcessor,
    ChunkedSlidingLayer,
    DynamicCache,
    DynamicLayer,
    EncoderDecoderCache,
    HQQQuantizedCache,
    HQQQuantizedCacheProcessor,
    HybridCache,
    HybridChunkedCache,
    Iterable,
    KeyValuesWrapper,
    OffloadedCache,
    OffloadedCacheProcessor,
```

```

OffloadedHybridCache,
OffloadedStaticCache,
PretrainedConfig,
QuantizedCache,
QuantizedCacheConfig,
QuantizedCacheProcessor,
QuantoQuantizedCache,
QuantoQuantizedCacheProcessor,
SinkCache,
SlidingWindowCache,
SlidingWindowLayer,
StaticCache,
StaticCacheConfig,
StaticLayer
]

```

Functions

```

[
    abstractmethod,
    apply_processors,
    dataclass,
    is_hqq_available,
    is_optimum_quanto_available,
    parse_layer_args_from_model_config,
    parse_processor_args
]

```

Sentinels / Constants / Objects

```

[
    Callable,
    is_torch_greater_or_equal,
    is_torch_greater_or_equal_than_2_6,
    LAYER_CLASS_MAP,
    logger,
    Optional,
    PROCESSOR_CLASS_MAP,
    Union
]

```

Import statements

```

from transformers.cache_utils import ABC
from transformers.cache_utils import Any
from transformers.cache_utils import Cache
from transformers.cache_utils import CacheConfig
from transformers.cache_utils import CacheLayerMixin
from transformers.cache_utils import CacheProcessor
from transformers.cache_utils import ChunkedSlidingLayer
from transformers.cache_utils import DynamicCache
from transformers.cache_utils import DynamicLayer
from transformers.cache_utils import EncoderDecoderCache
from transformers.cache_utils import HQQQuantizedCache
from transformers.cache_utils import HQQQuantizedCacheProcessor
from transformers.cache_utils import HybridCache
from transformers.cache_utils import HybridChunkedCache
from transformers.cache_utils import Iterable
from transformers.cache_utils import KeyValuesWrapper
from transformers.cache_utils import OffloadedCache
from transformers.cache_utils import OffloadedCacheProcessor
from transformers.cache_utils import OffloadedHybridCache
from transformers.cache_utils import OffloadedStaticCache
from transformers.cache_utils import PretrainedConfig
from transformers.cache_utils import QuantizedCache
from transformers.cache_utils import QuantizedCacheConfig
from transformers.cache_utils import QuantizedCacheProcessor
from transformers.cache_utils import QuantoQuantizedCache

```

```

from transformers.cache_utils import QuantoQuantizedCacheProcessor
from transformers.cache_utils import SinkCache
from transformers.cache_utils import SlidingWindowCache
from transformers.cache_utils import SlidingWindowLayer
from transformers.cache_utils import StaticCache
from transformers.cache_utils import StaticCacheConfig
from transformers.cache_utils import StaticLayer

# Functions
from transformers.cache_utils import abstractmethod
from transformers.cache_utils import apply_processors
from transformers.cache_utils import dataclass
from transformers.cache_utils import is_hqq_available
from transformers.cache_utils import is_optimum_quanto_available
from transformers.cache_utils import parse_layer_args_from_model_config
from transformers.cache_utils import parse_processor_args

# Sentinels / Constants / Objects
from transformers.cache_utils import Callable
from transformers.cache_utils import is_torch_greater_or_equal
from transformers.cache_utils import is_torch_greater_or_equal_than_2_6
from transformers.cache_utils import LAYER_CLASS_MAP
from transformers.cache_utils import logger
from transformers.cache_utils import Optional
from transformers.cache_utils import PROCESSOR_CLASS_MAP
from transformers.cache_utils import Union

```

transformers.commands

Classes

```

[
    ABC,
    ArgumentParser,
    BaseTransformersCLICommand
]

```

Functions

```

[
    abstractmethod
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from transformers.commands import ABC
from transformers.commands import ArgumentParser
from transformers.commands import BaseTransformersCLICommand

```

Functions

```

from transformers.commands import abstractmethod

```

Sentinels / Constants / Objects

```

(none)

```

transformers.configuration_utils

Classes

```

[
    Any,
    PretrainedConfig,
    PushToHubMixin,
    TypeVar
]

```

Functions

```
[
    cached_file,
    copy_func,
    custom_object_save,
    download_url,
    extract_commit_hash,
    get_configuration_file,
    is_remote_url,
    is_timm_config_dict,
    is_torch_available,
    layer_type_validation,
    load_gguf_checkpoint,
    recursive_diff_dict
]
```

Sentinels / Constants / Objects

```
[
    ALLOWED_LAYER_TYPES,
    CONFIG_NAME,
    logger,
    Optional,
    SpecificPretrainedConfigType,
    TYPE_CHECKING,
    Union
]
```

Import statements

```
from transformers.configuration_utils import Any
from transformers.configuration_utils import PretrainedConfig
from transformers.configuration_utils import PushToHubMixin
from transformers.configuration_utils import TypeVar
```

Functions

```
from transformers.configuration_utils import cached_file
from transformers.configuration_utils import copy_func
from transformers.configuration_utils import custom_object_save
from transformers.configuration_utils import download_url
from transformers.configuration_utils import extract_commit_hash
from transformers.configuration_utils import get_configuration_file
from transformers.configuration_utils import is_remote_url
from transformers.configuration_utils import is_timm_config_dict
from transformers.configuration_utils import is_torch_available
from transformers.configuration_utils import layer_type_validation
from transformers.configuration_utils import load_gguf_checkpoint
from transformers.configuration_utils import recursive_diff_dict
```

Sentinels / Constants / Objects

```
from transformers.configuration_utils import ALLOWED_LAYER_TYPES
from transformers.configuration_utils import CONFIG_NAME
from transformers.configuration_utils import logger
from transformers.configuration_utils import Optional
from transformers.configuration_utils import SpecificPretrainedConfigType
from transformers.configuration_utils import TYPE_CHECKING
from transformers.configuration_utils import Union
```

[transformers.convert_graph_to_onnx](#)

Classes

```
[
    ArgumentParser,
    BatchEncoding,
    ModelOutput,
    OnnxConverterArgumentParser,
    Path,
```

```
Pipeline,  
Version
```

```
]
```

Functions

```
[
```

```
    check_onnxruntime_requirements,  
    convert,  
    convert_pytorch,  
    convert_tensorflow,  
    ensure_valid_input,  
    generate_identified_filename,  
    infer_shapes,  
    is_tf_available,  
    is_torch_available,  
    listdir,  
    load_graph_from_args,  
    makedirs,  
    optimize,  
    parse,  
    pipeline,  
    quantize,  
    verify
```

```
]
```

Sentinels / Constants / Objects

```
[
```

```
    Optional,  
    ORT_QUANTIZE_MINIMUM_VERSION,  
    SUPPORTED_PIPELINES
```

```
]
```

Import statements

```
from transformers.convert_graph_to_onnx import ArgumentParser  
from transformers.convert_graph_to_onnx import BatchEncoding  
from transformers.convert_graph_to_onnx import ModelOutput  
from transformers.convert_graph_to_onnx import OnnxConverterArgumentParser  
from transformers.convert_graph_to_onnx import Path  
from transformers.convert_graph_to_onnx import Pipeline  
from transformers.convert_graph_to_onnx import Version  
  
# Functions  
from transformers.convert_graph_to_onnx import check_onnxruntime_requirements  
from transformers.convert_graph_to_onnx import convert  
from transformers.convert_graph_to_onnx import convert_pytorch  
from transformers.convert_graph_to_onnx import convert_tensorflow  
from transformers.convert_graph_to_onnx import ensure_valid_input  
from transformers.convert_graph_to_onnx import generate_identified_filename  
from transformers.convert_graph_to_onnx import infer_shapes  
from transformers.convert_graph_to_onnx import is_tf_available  
from transformers.convert_graph_to_onnx import is_torch_available  
from transformers.convert_graph_to_onnx import listdir  
from transformers.convert_graph_to_onnx import load_graph_from_args  
from transformers.convert_graph_to_onnx import makedirs  
from transformers.convert_graph_to_onnx import optimize  
from transformers.convert_graph_to_onnx import parse  
from transformers.convert_graph_to_onnx import pipeline  
from transformers.convert_graph_to_onnx import quantize  
from transformers.convert_graph_to_onnx import verify  
  
# Sentinels / Constants / Objects  
from transformers.convert_graph_to_onnx import Optional  
from transformers.convert_graph_to_onnx import ORT_QUANTIZE_MINIMUM_VERSION  
from transformers.convert_graph_to_onnx import SUPPORTED_PIPELINES
```

transformers.convert_pytorch_checkpoint_to_tf2

Classes

```
[
    AlbertConfig,
    AlbertForPreTraining,
    BartConfig,
    BartForConditionalGeneration,
    BertConfig,
    BertForPreTraining,
    BertForQuestionAnswering,
    BertForSequenceClassification,
    CamembertConfig,
    CamembertForMaskedLM,
    CTRLConfig,
    CTRLLMHeadModel,
    DistilBertConfig,
    DistilBertForMaskedLM,
    DistilBertForQuestionAnswering,
    DPRConfig,
    DPRContextEncoder,
    DPRQuestionEncoder,
    DPRReader,
    ElectraConfig,
    ElectraForPreTraining,
    FlaubertConfig,
    FlaubertWithLMHeadModel,
    GPT2Config,
    GPT2LMHeadModel,
    LayoutLMConfig,
    LayoutLMForMaskedLM,
    LxmertConfig,
    LxmertForPreTraining,
    LxmertVisualFeatureEncoder,
    OpenAIGPTConfig,
    OpenAIGPTLMHeadModel,
    RobertaConfig,
    RobertaForMaskedLM,
    RobertaForSequenceClassification,
    T5Config,
    T5ForConditionalGeneration,
    TFAlbertForPreTraining,
    TFBartForConditionalGeneration,
    TFBartForSequenceClassification,
    TFBertForPreTraining,
    TFBertForQuestionAnswering,
    TFBertForSequenceClassification,
    TFCamembertForMaskedLM,
    TFCTRLLMHeadModel,
    TFDistilBertForMaskedLM,
    TFDistilBertForQuestionAnswering,
    TFDPRContextEncoder,
    TFDPRQuestionEncoder,
    TFDPRReader,
    TFElectraForPreTraining,
    TFFlaubertWithLMHeadModel,
    TFGPT2LMHeadModel,
    TFLayoutLMForMaskedLM,
    TFLxmertForPreTraining,
    TFLxmertVisualFeatureEncoder,
    TFOpenAIGPTLMHeadModel,
    TFRobertaForCausalLM,
```

```

TFRobertaForMaskedLM,
TFRobertaForSequenceClassification,
TFT5ForConditionalGeneration,
TFTransfoXLLMHeadModel,
TFWav2Vec2Model,
TFXMLRobertaForMaskedLM,
TFXMLWithLMHeadModel,
TFXLNetLMHeadModel,
TransfoXLConfig,
TransfoXLLMHeadModel,
Wav2Vec2Config,
Wav2Vec2Model,
XMLConfig,
XMLRobertaConfig,
XMLRobertaForMaskedLM,
XMLWithLMHeadModel,
XLNetConfig,
XLNetLMHeadModel
]

```

Functions

```

[
    cached_file,
    convert_all_pt_checkpoints_to_tf,
    convert_pt_checkpoint_to_tf,
    is_torch_available,
    load_pytorch_checkpoint_in_tf2_model
]

```

Sentinels / Constants / Objects

```

[
    CONFIG_NAME,
    MODEL_CLASSES,
    WEIGHTS_NAME
]

```

Import statements

```

from transformers.convert_pytorch_checkpoint_to_tf2 import AlbertConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import AlbertForPreTraining
from transformers.convert_pytorch_checkpoint_to_tf2 import BartConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import BartForConditionalGeneration
from transformers.convert_pytorch_checkpoint_to_tf2 import BertConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import BertForPreTraining
from transformers.convert_pytorch_checkpoint_to_tf2 import BertForQuestionAnswering
from transformers.convert_pytorch_checkpoint_to_tf2 import BertForSequenceClassification
from transformers.convert_pytorch_checkpoint_to_tf2 import CamembertConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import CamembertForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import CTRLConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import CTRLLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import DistilBertConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import DistilBertForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import DistilBertForQuestionAnswering
from transformers.convert_pytorch_checkpoint_to_tf2 import DPRConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import DPRContextEncoder
from transformers.convert_pytorch_checkpoint_to_tf2 import DPRQuestionEncoder
from transformers.convert_pytorch_checkpoint_to_tf2 import DPRReader
from transformers.convert_pytorch_checkpoint_to_tf2 import ElectraConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import ElectraForPreTraining
from transformers.convert_pytorch_checkpoint_to_tf2 import FlaubertConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import FlaubertWithLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import GPT2Config
from transformers.convert_pytorch_checkpoint_to_tf2 import GPT2LMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import LayoutLMConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import LayoutLMForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import LxmertConfig

```



```

from transformers.convert_pytorch_checkpoint_to_tf2 import LxmertForPreTraining
from transformers.convert_pytorch_checkpoint_to_tf2 import LxmertVisualFeatureEncoder
from transformers.convert_pytorch_checkpoint_to_tf2 import OpenAIGPTConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import OpenAIGPTLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import RobertaConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import RobertaForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import RobertaForSequenceClassification
from transformers.convert_pytorch_checkpoint_to_tf2 import T5Config
from transformers.convert_pytorch_checkpoint_to_tf2 import T5ForConditionalGeneration
from transformers.convert_pytorch_checkpoint_to_tf2 import TFFAlbertForPreTraining
from transformers.convert_pytorch_checkpoint_to_tf2 import TFBartForConditionalGeneration
from transformers.convert_pytorch_checkpoint_to_tf2 import TFBartForSequenceClassification
from transformers.convert_pytorch_checkpoint_to_tf2 import TFBertForPreTraining
from transformers.convert_pytorch_checkpoint_to_tf2 import TFBertForQuestionAnswering
from transformers.convert_pytorch_checkpoint_to_tf2 import TFBertForSequenceClassification
from transformers.convert_pytorch_checkpoint_to_tf2 import TFCamembertForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import TFCTRLLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import TFDistilBertForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import TFDistilBertForQuestionAnswering
from transformers.convert_pytorch_checkpoint_to_tf2 import TFDPRContextEncoder
from transformers.convert_pytorch_checkpoint_to_tf2 import TFDPRQuestionEncoder
from transformers.convert_pytorch_checkpoint_to_tf2 import TFDPRReader
from transformers.convert_pytorch_checkpoint_to_tf2 import TFElectraForPreTraining
from transformers.convert_pytorch_checkpoint_to_tf2 import TFFlaubertWithLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import TFGPT2LMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import TFLayoutLMForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import TFLxmertForPreTraining
from transformers.convert_pytorch_checkpoint_to_tf2 import TFLxmertVisualFeatureEncoder
from transformers.convert_pytorch_checkpoint_to_tf2 import TFOpenAIGPTLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import TFRobertaForCausalLM
from transformers.convert_pytorch_checkpoint_to_tf2 import TFRobertaForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import TFRobertaForSequenceClassification
from transformers.convert_pytorch_checkpoint_to_tf2 import TFT5ForConditionalGeneration
from transformers.convert_pytorch_checkpoint_to_tf2 import TFTransfoXLNetLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import TFWav2Vec2Model
from transformers.convert_pytorch_checkpoint_to_tf2 import TFXLMRobertaForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import TFXLMWithLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import TFXLNetLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import TransfoXLConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import TransfoXLNetLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import Wav2Vec2Config
from transformers.convert_pytorch_checkpoint_to_tf2 import Wav2Vec2Model
from transformers.convert_pytorch_checkpoint_to_tf2 import XLMConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import XLMRobertaConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import XLMRobertaForMaskedLM
from transformers.convert_pytorch_checkpoint_to_tf2 import XLMWithLMHeadModel
from transformers.convert_pytorch_checkpoint_to_tf2 import XLNetConfig
from transformers.convert_pytorch_checkpoint_to_tf2 import XLNetLMHeadModel

# Functions
from transformers.convert_pytorch_checkpoint_to_tf2 import cached_file
from transformers.convert_pytorch_checkpoint_to_tf2 import convert_all_pt_checkpoints_to_tf
from transformers.convert_pytorch_checkpoint_to_tf2 import convert_pt_checkpoint_to_tf
from transformers.convert_pytorch_checkpoint_to_tf2 import is_torch_available
from transformers.convert_pytorch_checkpoint_to_tf2 import load_pytorch_checkpoint_in_tf2_model

# Sentinels / Constants / Objects
from transformers.convert_pytorch_checkpoint_to_tf2 import CONFIG_NAME
from transformers.convert_pytorch_checkpoint_to_tf2 import MODEL_CLASSES
from transformers.convert_pytorch_checkpoint_to_tf2 import WEIGHTS_NAME

```

transformers.convert_slow_tokenizer

Classes

```
[
    AddedToken,
    AlbertConverter,
    BarthezConverter,
    BertConverter,
    BertGenerationConverter,
    BigBirdConverter,
    BlenderbotConverter,
    BPE,
    CamembertConverter,
    CLIPConverter,
    Converter,
    DebertaConverter,
    DebertaV2Converter,
    FunnelConverter,
    GemmaConverter,
    GemmaSentencePieceExtractor,
    GPT2Converter,
    HeliumConverter,
    HerbertConverter,
    LayoutLMv2Converter,
    LlamaConverter,
    MarkupLMConverter,
    MBart50Converter,
    MBartConverter,
    MoshiConverter,
    MPNetConverter,
    NllbConverter,
    OpenAIGPTConverter,
    PegasusConverter,
    Qwen2Converter,
    ReformerConverter,
    Regex,
    RemBertConverter,
    RobertaConverter,
    RoFormerConverter,
    SeamlessM4TConverter,
    SentencePieceExtractor,
    SplinterConverter,
    SpmConverter,
    T5Converter,
    TikTokenConverter,
    Tokenizer,
    UdopConverter,
    Unigram,
    WhisperConverter,
    WordPiece,
    XGLMConverter,
    XLMRobertaConverter,
    XLNetConverter
]
```

Functions

```
[
    bytes_to_unicode,
    check_number_comma,
    convert_slow_tokenizer,
    generate_merges,
    import_protobuf,
    is_protobuf_available,
```

```
is_sentencepiece_available,  
requires_backends
```

```
]
```

Sentinels / Constants / Objects

```
[
```

```
    logger,  
    Optional,  
    PROTOBUF_IMPORT_ERROR,  
    SLOW_TO_FAST_CONVERTERS
```

```
]
```

Import statements

```
from transformers.convert_slow_tokenizer import AddedToken  
from transformers.convert_slow_tokenizer import AlbertConverter  
from transformers.convert_slow_tokenizer import BarthezConverter  
from transformers.convert_slow_tokenizer import BertConverter  
from transformers.convert_slow_tokenizer import BertGenerationConverter  
from transformers.convert_slow_tokenizer import BigBirdConverter  
from transformers.convert_slow_tokenizer import BlenderbotConverter  
from transformers.convert_slow_tokenizer import BPE  
from transformers.convert_slow_tokenizer import CamembertConverter  
from transformers.convert_slow_tokenizer import CLIPConverter  
from transformers.convert_slow_tokenizer import Converter  
from transformers.convert_slow_tokenizer import DebertaConverter  
from transformers.convert_slow_tokenizer import DebertaV2Converter  
from transformers.convert_slow_tokenizer import FunnelConverter  
from transformers.convert_slow_tokenizer import GemmaConverter  
from transformers.convert_slow_tokenizer import GemmaSentencePieceExtractor  
from transformers.convert_slow_tokenizer import GPT2Converter  
from transformers.convert_slow_tokenizer import HeliumConverter  
from transformers.convert_slow_tokenizer import HerbertConverter  
from transformers.convert_slow_tokenizer import LayoutLMv2Converter  
from transformers.convert_slow_tokenizer import LlamaConverter  
from transformers.convert_slow_tokenizer import MarkupLMConverter  
from transformers.convert_slow_tokenizer import MBart50Converter  
from transformers.convert_slow_tokenizer import MBartConverter  
from transformers.convert_slow_tokenizer import MoshiConverter  
from transformers.convert_slow_tokenizer import MPNetConverter  
from transformers.convert_slow_tokenizer import NllbConverter  
from transformers.convert_slow_tokenizer import OpenAIGPTConverter  
from transformers.convert_slow_tokenizer import PegasusConverter  
from transformers.convert_slow_tokenizer import Qwen2Converter  
from transformers.convert_slow_tokenizer import ReformerConverter  
from transformers.convert_slow_tokenizer import Regex  
from transformers.convert_slow_tokenizer import RemBertConverter  
from transformers.convert_slow_tokenizer import RobertaConverter  
from transformers.convert_slow_tokenizer import RoFormerConverter  
from transformers.convert_slow_tokenizer import SeamlessM4TConverter  
from transformers.convert_slow_tokenizer import SentencePieceExtractor  
from transformers.convert_slow_tokenizer import SplinterConverter  
from transformers.convert_slow_tokenizer import SpmConverter  
from transformers.convert_slow_tokenizer import T5Converter  
from transformers.convert_slow_tokenizer import TikTokenConverter  
from transformers.convert_slow_tokenizer import Tokenizer  
from transformers.convert_slow_tokenizer import UdopConverter  
from transformers.convert_slow_tokenizer import Unigram  
from transformers.convert_slow_tokenizer import WhisperConverter  
from transformers.convert_slow_tokenizer import WordPiece  
from transformers.convert_slow_tokenizer import XGLMConverter  
from transformers.convert_slow_tokenizer import XLMLRobertaConverter  
from transformers.convert_slow_tokenizer import XLNetConverter
```

```
# Functions
```

```

from transformers.convert_slow_tokenizer import bytes_to_unicode
from transformers.convert_slow_tokenizer import check_number_comma
from transformers.convert_slow_tokenizer import convert_slow_tokenizer
from transformers.convert_slow_tokenizer import generate_merges
from transformers.convert_slow_tokenizer import import_protobuf
from transformers.convert_slow_tokenizer import is_protobuf_available
from transformers.convert_slow_tokenizer import is_sentencepiece_available
from transformers.convert_slow_tokenizer import requires_backends

# Sentinels / Constants / Objects
from transformers.convert_slow_tokenizer import logger
from transformers.convert_slow_tokenizer import Optional
from transformers.convert_slow_tokenizer import PROTOBUF_IMPORT_ERROR
from transformers.convert_slow_tokenizer import SLOW_TO_FAST_CONVERTERS

```

transformers.convert_slow_tokenizers_checkpoints_to_fast

Classes

```
[ ]
```

Functions

```
[
    convert_slow_checkpoint_to_fast
]
```

Sentinels / Constants / Objects

```
[
    logger,
    SLOW_TO_FAST_CONVERTERS,
    TOKENIZER_CLASSES
]
```

Import statements

```
(none)
```

Functions

```
from transformers.convert_slow_tokenizers_checkpoints_to_fast import convert_slow_checkpoint_to_fast
```

Sentinels / Constants / Objects

```

from transformers.convert_slow_tokenizers_checkpoints_to_fast import logger
from transformers.convert_slow_tokenizers_checkpoints_to_fast import SLOW_TO_FAST_CONVERTERS
from transformers.convert_slow_tokenizers_checkpoints_to_fast import TOKENIZER_CLASSES

```

transformers.convert_tf_hub_seq_to_seq_bert_to_pytorch

Classes

```
[
    BertConfig,
    BertGenerationConfig,
    BertGenerationDecoder,
    BertGenerationEncoder
]
```

Functions

```
[
    convert_tf_checkpoint_to_pytorch,
    load_tf_weights_in_bert_generation
]
```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```

from transformers.convert_tf_hub_seq_to_seq_bert_to_pytorch import BertConfig
from transformers.convert_tf_hub_seq_to_seq_bert_to_pytorch import BertGenerationConfig
from transformers.convert_tf_hub_seq_to_seq_bert_to_pytorch import BertGenerationDecoder
from transformers.convert_tf_hub_seq_to_seq_bert_to_pytorch import BertGenerationEncoder
# Functions

```

```

from transformers.convert_tf_hub_seq_to_seq_bert_to_pytorch import convert_tf_checkpoint_to_pytorch
from transformers.convert_tf_hub_seq_to_seq_bert_to_pytorch import load_tf_weights_in_bert_generator

# Sentinels / Constants / Objects
(none)

```

transformers.data

Classes

```

[
    DataCollatorForLanguageModeling,
    DataCollatorForMultipleChoice,
    DataCollatorForPermutationLanguageModeling,
    DataCollatorForSeq2Seq,
    DataCollatorForSOP,
    DataCollatorForTokenClassification,
    DataCollatorForWholeWordMask,
    DataCollatorWithFlattening,
    DataCollatorWithPadding,
    DataProcessor,
    DefaultDataCollator,
    InputExample,
    InputFeatures,
    SingleSentenceClassificationProcessor,
    SquadExample,
    SquadFeatures,
    SquadV1Processor,
    SquadV2Processor
]

```

Functions

```

[
    default_data_collator,
    glue_compute_metrics,
    glue_convert_examples_to_features,
    squad_convert_examples_to_features,
    xnli_compute_metrics
]

```

Sentinels / Constants / Objects

```

[
    glue_output_modes,
    glue_processors,
    glue_tasks_num_labels,
    xnli_output_modes,
    xnli_processors,
    xnli_tasks_num_labels
]

```

Import statements

```

from transformers.data import DataCollatorForLanguageModeling
from transformers.data import DataCollatorForMultipleChoice
from transformers.data import DataCollatorForPermutationLanguageModeling
from transformers.data import DataCollatorForSeq2Seq
from transformers.data import DataCollatorForSOP
from transformers.data import DataCollatorForTokenClassification
from transformers.data import DataCollatorForWholeWordMask
from transformers.data import DataCollatorWithFlattening
from transformers.data import DataCollatorWithPadding
from transformers.data import DataProcessor
from transformers.data import DefaultDataCollator
from transformers.data import InputExample
from transformers.data import InputFeatures
from transformers.data import SingleSentenceClassificationProcessor
from transformers.data import SquadExample

```

```

from transformers.data import SquadFeatures
from transformers.data import SquadV1Processor
from transformers.data import SquadV2Processor

# Functions
from transformers.data import default_data_collator
from transformers.data import glue_compute_metrics
from transformers.data import glue_convert_examples_to_features
from transformers.data import squad_convert_examples_to_features
from transformers.data import xnli_compute_metrics

# Sentinels / Constants / Objects
from transformers.data import glue_output_modes
from transformers.data import glue_processors
from transformers.data import glue_tasks_num_labels
from transformers.data import xnli_output_modes
from transformers.data import xnli_processors
from transformers.data import xnli_tasks_num_labels

```

transformers.debug_utils

Classes

```

[
    DebugOption,
    DebugUnderflowOverflow,
    ExplicitEnum
]

```

Functions

```

[
    detect_overflow,
    get_abs_min_max,
    is_torch_available
]

```

Sentinels / Constants / Objects

```

[
    logger
]

```

Import statements

```

from transformers.debug_utils import DebugOption
from transformers.debug_utils import DebugUnderflowOverflow
from transformers.debug_utils import ExplicitEnum

```

Functions

```

from transformers.debug_utils import detect_overflow
from transformers.debug_utils import get_abs_min_max
from transformers.debug_utils import is_torch_available

```

Sentinels / Constants / Objects

```

from transformers.debug_utils import logger

```

transformers.dependency_versions_check

Classes

```

[]

```

Functions

```

[
    dep_version_check,
    is_accelerate_available,
    is_tokenizers_available,
    require_version,
    require_version_core
]

```

Sentinels / Constants / Objects

```
[
    deps,
    pkg,
    pkgs_to_check_at_runtime
]
```

Import statements

```
(none)
```

Functions

```
from transformers.dependency_versions_check import dep_version_check
from transformers.dependency_versions_check import is_accelerate_available
from transformers.dependency_versions_check import is_tokenizers_available
from transformers.dependency_versions_check import require_version
from transformers.dependency_versions_check import require_version_core
```

Sentinels / Constants / Objects

```
from transformers.dependency_versions_check import deps
from transformers.dependency_versions_check import pkg
from transformers.dependency_versions_check import pkgs_to_check_at_runtime
```

[transformers.dependency_versions_table](#)

Classes

```
[]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[
    deps
]
```

Import statements

```
(none)
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
from transformers.dependency_versions_table import deps
```

[transformers.distributed](#)

Classes

```
[
    DistributedConfig
]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
from transformers.distributed import DistributedConfig
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

[transformers.dynamic_module_utils](#)

Classes

```
[
    Any,
    ModuleType,
    Path,
    VersionComparison
]
```

Functions

```
[
    cached_file,
    check_imports,
    check_python_requirements,
    create_dynamic_module,
    custom_object_save,
    extract_commit_hash,
    get_cached_module_file,
    get_class_from_dynamic_module,
    get_class_in_module,
    get_imports,
    get_relative_import_files,
    get_relative_imports,
    init_hf_modules,
    is_offline_mode,
    resolve_trust_remote_code,
    try_to_load_from_cache
]
```

Sentinels / Constants / Objects

```
[
    HF_MODULES_CACHE,
    logger,
    Optional,
    split_package_version,
    TIME_OUT_REMOTE_CODE,
    TRANSFORMERS_DYNAMIC_MODULE_NAME,
    Union
]
```

Import statements

```
from transformers.dynamic_module_utils import Any
from transformers.dynamic_module_utils import ModuleType
from transformers.dynamic_module_utils import Path
from transformers.dynamic_module_utils import VersionComparison
```

Functions

```
from transformers.dynamic_module_utils import cached_file
from transformers.dynamic_module_utils import check_imports
from transformers.dynamic_module_utils import check_python_requirements
from transformers.dynamic_module_utils import create_dynamic_module
from transformers.dynamic_module_utils import custom_object_save
from transformers.dynamic_module_utils import extract_commit_hash
from transformers.dynamic_module_utils import get_cached_module_file
from transformers.dynamic_module_utils import get_class_from_dynamic_module
from transformers.dynamic_module_utils import get_class_in_module
from transformers.dynamic_module_utils import get_imports
from transformers.dynamic_module_utils import get_relative_import_files
from transformers.dynamic_module_utils import get_relative_imports
from transformers.dynamic_module_utils import init_hf_modules
from transformers.dynamic_module_utils import is_offline_mode
from transformers.dynamic_module_utils import resolve_trust_remote_code
from transformers.dynamic_module_utils import try_to_load_from_cache
```

Sentinels / Constants / Objects

```
from transformers.dynamic_module_utils import HF_MODULES_CACHE
from transformers.dynamic_module_utils import logger
```



```

from transformers.dynamic_module_utils import Optional
from transformers.dynamic_module_utils import split_package_version
from transformers.dynamic_module_utils import TIME_OUT_REMOTE_CODE
from transformers.dynamic_module_utils import TRANSFORMERS_DYNAMIC_MODULE_NAME
from transformers.dynamic_module_utils import Union

```

transformers.feature_extraction_sequence_utils

Classes

```

[
    BatchFeature,
    FeatureExtractionMixin,
    PaddingStrategy,
    SequenceFeatureExtractor,
    TensorType
]

```

Functions

```

[
    is_tf_tensor,
    is_torch_tensor,
    to_numpy
]

```

Sentinels / Constants / Objects

```

[
    logger,
    Optional,
    Union
]

```

Import statements

```

from transformers.feature_extraction_sequence_utils import BatchFeature
from transformers.feature_extraction_sequence_utils import FeatureExtractionMixin
from transformers.feature_extraction_sequence_utils import PaddingStrategy
from transformers.feature_extraction_sequence_utils import SequenceFeatureExtractor
from transformers.feature_extraction_sequence_utils import TensorType

```

Functions

```

from transformers.feature_extraction_sequence_utils import is_tf_tensor
from transformers.feature_extraction_sequence_utils import is_torch_tensor
from transformers.feature_extraction_sequence_utils import to_numpy

```

Sentinels / Constants / Objects

```

from transformers.feature_extraction_sequence_utils import logger
from transformers.feature_extraction_sequence_utils import Optional
from transformers.feature_extraction_sequence_utils import Union

```

transformers.feature_extraction_utils

Classes

```

[
    Any,
    BatchFeature,
    FeatureExtractionMixin,
    PushToHubMixin,
    TensorType,
    TypeVar,
    UserDict
]

```

Functions

```

[
    cached_file,
    copy_func,
    custom_object_save,

```

```

download_url,
is_flax_available,
is_jax_tensor,
is_numpy_array,
is_offline_mode,
is_remote_url,
is_tf_available,
is_torch_available,
is_torch_device,
is_torch_dtype,
requires_backends
]

```

Sentinels / Constants / Objects

```

[
    FEATURE_EXTRACTOR_NAME,
    logger,
    Optional,
    PreTrainedFeatureExtractor,
    SpecificFeatureExtractorType,
    TYPE_CHECKING,
    Union
]

```

Import statements

```

from transformers.feature_extraction_utils import Any
from transformers.feature_extraction_utils import BatchFeature
from transformers.feature_extraction_utils import FeatureExtractionMixin
from transformers.feature_extraction_utils import PushToHubMixin
from transformers.feature_extraction_utils import TensorType
from transformers.feature_extraction_utils import TypeVar
from transformers.feature_extraction_utils import UserDict

```

Functions

```

from transformers.feature_extraction_utils import cached_file
from transformers.feature_extraction_utils import copy_func
from transformers.feature_extraction_utils import custom_object_save
from transformers.feature_extraction_utils import download_url
from transformers.feature_extraction_utils import is_flax_available
from transformers.feature_extraction_utils import is_jax_tensor
from transformers.feature_extraction_utils import is_numpy_array
from transformers.feature_extraction_utils import is_offline_mode
from transformers.feature_extraction_utils import is_remote_url
from transformers.feature_extraction_utils import is_tf_available
from transformers.feature_extraction_utils import is_torch_available
from transformers.feature_extraction_utils import is_torch_device
from transformers.feature_extraction_utils import is_torch_dtype
from transformers.feature_extraction_utils import requires_backends

```

Sentinels / Constants / Objects

```

from transformers.feature_extraction_utils import FEATURE_EXTRACTOR_NAME
from transformers.feature_extraction_utils import logger
from transformers.feature_extraction_utils import Optional
from transformers.feature_extraction_utils import PreTrainedFeatureExtractor
from transformers.feature_extraction_utils import SpecificFeatureExtractorType
from transformers.feature_extraction_utils import TYPE_CHECKING
from transformers.feature_extraction_utils import Union

```

transformers.file_utils

Classes

```

[
    cached_property,
    ContextManagers,

```

```
DummyObject,  
EntryNotFoundError,  
ExplicitEnum,  
ModelOutput,  
PaddingStrategy,  
PushToHubMixin,  
RepositoryNotFoundError,  
RevisionNotFoundError,  
TensorType
```

```
]
```

Functions

```
[
```

```
    add_code_sample_docstrings,  
    add_end_docstrings,  
    add_start_docstrings,  
    add_start_docstrings_to_model_forward,  
    copy_func,  
    define_sagemaker_information,  
    get_full_repo_name,  
    get_torch_version,  
    has_file,  
    http_user_agent,  
    is_apex_available,  
    is_bs4_available,  
    is_coloredlogs_available,  
    is_datasets_available,  
    is_detectron2_available,  
    is_faiss_available,  
    is_flax_available,  
    is_ftfy_available,  
    is_g2p_en_available,  
    is_in_notebook,  
    is_ipex_available,  
    is_librosa_available,  
    is_offline_mode,  
    is_onnx_available,  
    is_pandas_available,  
    is_phonemizer_available,  
    is_protobuf_available,  
    is_psutil_available,  
    is_py3nvml_available,  
    is_pyctcdecode_available,  
    is pytesseract_available,  
    is_pytorch_quantization_available,  
    is_rjieba_available,  
    is_sagemaker_dp_enabled,  
    is_sagemaker_mp_enabled,  
    is_scipy_available,  
    is_sentencepiece_available,  
    is_seqio_available,  
    is_sklearn_available,  
    is_soundfile_available,  
    is_spacy_available,  
    is_speech_available,  
    is_tensor,  
    is_tensorflow_probability_available,  
    is_tf2onnx_available,  
    is_tf_available,  
    is_timm_available,  
    is_tokenizers_available,  
    is_torch_available,  
    is_torch_bf16_available,
```

```

is_torch_cuda_available,
is_torch_fx_available,
is_torch_fx_proxy,
is_torch_mps_available,
is_torch_tf32_available,
is_torchaudio_available,
is_training_run_on_sagemaker,
replace_return_docstrings,
requires_backends,
to_numpy,
to_py_obj,
torch_only_method

```

```
]
```

Sentinels / Constants / Objects

```

[
    CLOUDFRONT_DISTRIB_PREFIX,
    CONFIG_NAME,
    default_cache_path,
    DISABLE_TELEMETRY,
    DUMMY_INPUTS,
    DUMMY_MASK,
    ENV_VARS_TRUE_AND_AUTO_VALUES,
    ENV_VARS_TRUE_VALUES,
    FEATURE_EXTRACTOR_NAME,
    FLAX_WEIGHTS_NAME,
    HF_MODULES_CACHE,
    HUGGINGFACE_CO_PREFIX,
    HUGGINGFACE_CO_RESOLVE_ENDPOINT,
    is_torch_xla_available,
    is_vision_available,
    MODEL_CARD_NAME,
    MULTIPLE_CHOICE_DUMMY_INPUTS,
    PYTORCH_PRETRAINED_BERT_CACHE,
    PYTORCH_TRANSFORMERS_CACHE,
    S3_BUCKET_PREFIX,
    SENTENCEPIECE_UNDERLINE,
    SPIECE_UNDERLINE,
    TF2_WEIGHTS_NAME,
    TF_WEIGHTS_NAME,
    TORCH_FX_REQUIRED_VERSION,
    TRANSFORMERS_CACHE,
    TRANSFORMERS_DYNAMIC_MODULE_NAME,
    USE_JAX,
    USE_TF,
    USE_TORCH,
    WEIGHTS_INDEX_NAME,
    WEIGHTS_NAME
]

```

```
]
```

Import statements

```

from transformers.file_utils import cached_property
from transformers.file_utils import ContextManagers
from transformers.file_utils import DummyObject
from transformers.file_utils import EntryNotFoundError
from transformers.file_utils import ExplicitEnum
from transformers.file_utils import ModelOutput
from transformers.file_utils import PaddingStrategy
from transformers.file_utils import PushToHubMixin
from transformers.file_utils import RepositoryNotFoundError
from transformers.file_utils import RevisionNotFoundError
from transformers.file_utils import TensorType

```

Functions

```
from transformers.file_utils import add_code_sample_docstrings
from transformers.file_utils import add_end_docstrings
from transformers.file_utils import add_start_docstrings
from transformers.file_utils import add_start_docstrings_to_model_forward
from transformers.file_utils import copy_func
from transformers.file_utils import define_sagemaker_information
from transformers.file_utils import get_full_repo_name
from transformers.file_utils import get_torch_version
from transformers.file_utils import has_file
from transformers.file_utils import http_user_agent
from transformers.file_utils import is_apex_available
from transformers.file_utils import is_bs4_available
from transformers.file_utils import is_coloredlogs_available
from transformers.file_utils import is_datasets_available
from transformers.file_utils import is_detectron2_available
from transformers.file_utils import is_faiss_available
from transformers.file_utils import is_flax_available
from transformers.file_utils import is_ftfy_available
from transformers.file_utils import is_g2p_en_available
from transformers.file_utils import is_in_notebook
from transformers.file_utils import is_ipex_available
from transformers.file_utils import is_librosa_available
from transformers.file_utils import is_offline_mode
from transformers.file_utils import is_onnx_available
from transformers.file_utils import is_pandas_available
from transformers.file_utils import is_phonemizer_available
from transformers.file_utils import is_protobuf_available
from transformers.file_utils import is_psutil_available
from transformers.file_utils import is_py3nvm1_available
from transformers.file_utils import is_pyctcdecode_available
from transformers.file_utils import is_pytest_available
from transformers.file_utils import is_pytorch_quantization_available
from transformers.file_utils import is_rjieba_available
from transformers.file_utils import is_sagemaker_dp_enabled
from transformers.file_utils import is_sagemaker_mp_enabled
from transformers.file_utils import is_scipy_available
from transformers.file_utils import is_sentencepiece_available
from transformers.file_utils import is_seqio_available
from transformers.file_utils import is_sklearn_available
from transformers.file_utils import is_soundfile_available
from transformers.file_utils import is_spacy_available
from transformers.file_utils import is_speech_available
from transformers.file_utils import is_tensor
from transformers.file_utils import is_tensorflow_probability_available
from transformers.file_utils import is_tf2onnx_available
from transformers.file_utils import is_tf_available
from transformers.file_utils import is_timm_available
from transformers.file_utils import is_tokenizers_available
from transformers.file_utils import is_torch_available
from transformers.file_utils import is_torch_bf16_available
from transformers.file_utils import is_torch_cuda_available
from transformers.file_utils import is_torch_fx_available
from transformers.file_utils import is_torch_fx_proxy
from transformers.file_utils import is_torch_mps_available
from transformers.file_utils import is_torch_tf32_available
from transformers.file_utils import is_torchaudio_available
from transformers.file_utils import is_training_run_on_sagemaker
from transformers.file_utils import replace_return_docstrings
from transformers.file_utils import requires_backends
from transformers.file_utils import to_numpy
from transformers.file_utils import to_py_obj
from transformers.file_utils import torch_only_method
```

```

# Sentinels / Constants / Objects
from transformers.file_utils import CLOUDFRONT_DISTRIB_PREFIX
from transformers.file_utils import CONFIG_NAME
from transformers.file_utils import default_cache_path
from transformers.file_utils import DISABLE_TELEMETRY
from transformers.file_utils import DUMMY_INPUTS
from transformers.file_utils import DUMMY_MASK
from transformers.file_utils import ENV_VARS_TRUE_AND_AUTO_VALUES
from transformers.file_utils import ENV_VARS_TRUE_VALUES
from transformers.file_utils import FEATURE_EXTRACTOR_NAME
from transformers.file_utils import FLAX_WEIGHTS_NAME
from transformers.file_utils import HF_MODULES_CACHE
from transformers.file_utils import HUGGINGFACE_CO_PREFIX
from transformers.file_utils import HUGGINGFACE_CO_RESOLVE_ENDPOINT
from transformers.file_utils import is_torch_xla_available
from transformers.file_utils import is_vision_available
from transformers.file_utils import MODEL_CARD_NAME
from transformers.file_utils import MULTIPLE_CHOICE_DUMMY_INPUTS
from transformers.file_utils import PYTORCH_PRETRAINED_BERT_CACHE
from transformers.file_utils import PYTORCH_TRANSFORMERS_CACHE
from transformers.file_utils import S3_BUCKET_PREFIX
from transformers.file_utils import SENTENCEPIECE_UNDERLINE
from transformers.file_utils import SPIECE_UNDERLINE
from transformers.file_utils import TF2_WEIGHTS_NAME
from transformers.file_utils import TF_WEIGHTS_NAME
from transformers.file_utils import TORCH_FX_REQUIRED_VERSION
from transformers.file_utils import TRANSFORMERS_CACHE
from transformers.file_utils import TRANSFORMERS_DYNAMIC_MODULE_NAME
from transformers.file_utils import USE_JAX
from transformers.file_utils import USE_TF
from transformers.file_utils import USE_TORCH
from transformers.file_utils import WEIGHTS_INDEX_NAME
from transformers.file_utils import WEIGHTS_NAME

```

transformers.generation

Classes

```

[
    AlternatingCodebooksLogitsProcessor,
    AssistedCandidateGenerator,
    AsyncTextIteratorStreamer,
    BaseStreamer,
    BaseWatermarkingConfig,
    BayesianDetectorConfig,
    BayesianDetectorModel,
    BeamHypotheses,
    BeamSampleDecoderOnlyOutput,
    BeamSampleEncoderDecoderOutput,
    BeamScorer,
    BeamSearchDecoderOnlyOutput,
    BeamSearchEncoderDecoderOutput,
    BeamSearchScorer,
    CandidateGenerator,
    ClassifierFreeGuidanceLogitsProcessor,
    CompileConfig,
    ConfidenceCriteria,
    ConstrainedBeamSearchScorer,
    Constraint,
    ConstraintListState,
    ContinuousMixin,
    ContrastiveSearchDecoderOnlyOutput,
    ContrastiveSearchEncoderDecoderOutput,

```

DisjunctiveConstraint,
EarlyExitCandidateGenerator,
EncoderNoRepeatNGramLogitsProcessor,
EncoderRepetitionPenaltyLogitsProcessor,
EosTokenCriteria,
EpsilonLogitsWarper,
EtaLogitsWarper,
ExponentialDecayLengthPenalty,
FlaxBeamSearchOutput,
FlaxForcedBOSTokenLogitsProcessor,
FlaxForcedEOSTokenLogitsProcessor,
FlaxForceTokensLogitsProcessor,
FlaxGenerationMixin,
FlaxGreedySearchOutput,
FlaxLogitsProcessor,
FlaxLogitsProcessorList,
FlaxLogitsWarper,
FlaxMinLengthLogitsProcessor,
FlaxNoRepeatNGramLogitsProcessor,
FlaxSampleOutput,
FlaxSuppressTokensAtBeginLogitsProcessor,
FlaxSuppressTokensLogitsProcessor,
FlaxTemperatureLogitsWarper,
FlaxTopKLogitsWarper,
FlaxTopPLogitsWarper,
FlaxWhisperTimeStampLogitsProcessor,
ForcedBOSTokenLogitsProcessor,
ForcedEOSTokenLogitsProcessor,
GenerateBeamDecoderOnlyOutput,
GenerateBeamEncoderDecoderOutput,
GenerateDecoderOnlyOutput,
GenerateEncoderDecoderOutput,
GenerationConfig,
GenerationMixin,
GenerationMode,
GreedySearchDecoderOnlyOutput,
GreedySearchEncoderDecoderOutput,
HammingDiversityLogitsProcessor,
InfNanRemoveLogitsProcessor,
LogitNormalization,
LogitsProcessor,
LogitsProcessorList,
MaxLengthCriteria,
MaxTimeCriteria,
MinLengthLogitsProcessor,
MinNewTokensLengthLogitsProcessor,
MinPLogitsWarper,
NoBadWordsLogitsProcessor,
NoRepeatNGramLogitsProcessor,
PhrasalConstraint,
PrefixConstrainedLogitsProcessor,
PromptLookupCandidateGenerator,
RepetitionPenaltyLogitsProcessor,
SampleDecoderOnlyOutput,
SampleEncoderDecoderOutput,
SequenceBiasLogitsProcessor,
StoppingCriteria,
StoppingCriteriaList,
StopStringCriteria,
SuppressTokensAtBeginLogitsProcessor,
SuppressTokensLogitsProcessor,
SynthIDTextWatermarkDetector,

```

SynthIDTextWatermarkingConfig,
SynthIDTextWatermarkLogitsProcessor,
TemperatureLogitsWarper,
TextIteratorStreamer,
TextStreamer,
TFBeamSampleDecoderOnlyOutput,
TFBeamSampleEncoderDecoderOutput,
TFBeamSearchDecoderOnlyOutput,
TFBeamSearchEncoderDecoderOutput,
TFContrastiveSearchDecoderOnlyOutput,
TFContrastiveSearchEncoderDecoderOutput,
TFForcedBOSTokenLogitsProcessor,
TFForcedEOSTokenLogitsProcessor,
TFForceTokensLogitsProcessor,
TFGenerationMixin,
TFGreedySearchDecoderOnlyOutput,
TFGreedySearchEncoderDecoderOutput,
TFLogitsProcessor,
TFLogitsProcessorList,
TFLogitsWarper,
TFMinLengthLogitsProcessor,
TFNoBadWordsLogitsProcessor,
TFNoRepeatNGramLogitsProcessor,
TFRepetitionPenaltyLogitsProcessor,
TFSampleDecoderOnlyOutput,
TFSampleEncoderDecoderOutput,
TFSuppressTokensAtBeginLogitsProcessor,
TFSuppressTokensLogitsProcessor,
TFTemperatureLogitsWarper,
TFTopKLogitsWarper,
TFTopPLogitsWarper,
TopKLogitsWarper,
TopPLogitsWarper,
TypicalLogitsWarper,
UnbatchedClassifierFreeGuidanceLogitsProcessor,
WatermarkDetector,
WatermarkDetectorOutput,
WatermarkingConfig,
WatermarkLogitsProcessor,
WhisperTimeStampLogitsProcessor

```

```
]
```

Functions

```

[
    validate_stopping_criteria
]

```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```

from transformers.generation import AlternatingCodebooksLogitsProcessor
from transformers.generation import AssistedCandidateGenerator
from transformers.generation import AsyncTextIteratorStreamer
from transformers.generation import BaseStreamer
from transformers.generation import BaseWatermarkingConfig
from transformers.generation import BayesianDetectorConfig
from transformers.generation import BayesianDetectorModel
from transformers.generation import BeamHypotheses
from transformers.generation import BeamSampleDecoderOnlyOutput
from transformers.generation import BeamSampleEncoderDecoderOutput
from transformers.generation import BeamScorer
from transformers.generation import BeamSearchDecoderOnlyOutput
from transformers.generation import BeamSearchEncoderDecoderOutput
from transformers.generation import BeamSearchScorer

```



```
from transformers.generation import CandidateGenerator
from transformers.generation import ClassifierFreeGuidanceLogitsProcessor
from transformers.generation import CompileConfig
from transformers.generation import ConfidenceCriteria
from transformers.generation import ConstrainedBeamSearchScorer
from transformers.generation import Constraint
from transformers.generation import ConstraintListState
from transformers.generation import ContinuousMixin
from transformers.generation import ContrastiveSearchDecoderOnlyOutput
from transformers.generation import ContrastiveSearchEncoderDecoderOutput
from transformers.generation import DisjunctiveConstraint
from transformers.generation import EarlyExitCandidateGenerator
from transformers.generation import EncoderNoRepeatNGramLogitsProcessor
from transformers.generation import EncoderRepetitionPenaltyLogitsProcessor
from transformers.generation import EosTokenCriteria
from transformers.generation import EpsilonLogitsWarper
from transformers.generation import EtaLogitsWarper
from transformers.generation import ExponentialDecayLengthPenalty
from transformers.generation import FlaxBeamSearchOutput
from transformers.generation import FlaxForcedBOSTokenLogitsProcessor
from transformers.generation import FlaxForcedEOSTokenLogitsProcessor
from transformers.generation import FlaxForceTokensLogitsProcessor
from transformers.generation import FlaxGenerationMixin
from transformers.generation import FlaxGreedySearchOutput
from transformers.generation import FlaxLogitsProcessor
from transformers.generation import FlaxLogitsProcessorList
from transformers.generation import FlaxLogitsWarper
from transformers.generation import FlaxMinLengthLogitsProcessor
from transformers.generation import FlaxNoRepeatNGramLogitsProcessor
from transformers.generation import FlaxSampleOutput
from transformers.generation import FlaxSuppressTokensAtBeginLogitsProcessor
from transformers.generation import FlaxSuppressTokensLogitsProcessor
from transformers.generation import FlaxTemperatureLogitsWarper
from transformers.generation import FlaxTopKLogitsWarper
from transformers.generation import FlaxTopPLogitsWarper
from transformers.generation import FlaxWhisperTimeStampLogitsProcessor
from transformers.generation import ForcedBOSTokenLogitsProcessor
from transformers.generation import ForcedEOSTokenLogitsProcessor
from transformers.generation import GenerateBeamDecoderOnlyOutput
from transformers.generation import GenerateBeamEncoderDecoderOutput
from transformers.generation import GenerateDecoderOnlyOutput
from transformers.generation import GenerateEncoderDecoderOutput
from transformers.generation import GenerationConfig
from transformers.generation import GenerationMixin
from transformers.generation import GenerationMode
from transformers.generation import GreedySearchDecoderOnlyOutput
from transformers.generation import GreedySearchEncoderDecoderOutput
from transformers.generation import HammingDiversityLogitsProcessor
from transformers.generation import InfNanRemoveLogitsProcessor
from transformers.generation import LogitNormalization
from transformers.generation import LogitsProcessor
from transformers.generation import LogitsProcessorList
from transformers.generation import MaxLengthCriteria
from transformers.generation import MaxTimeCriteria
from transformers.generation import MinLengthLogitsProcessor
from transformers.generation import MinNewTokensLengthLogitsProcessor
from transformers.generation import MinPLogitsWarper
from transformers.generation import NoBadWordsLogitsProcessor
from transformers.generation import NoRepeatNGramLogitsProcessor
from transformers.generation import PhrasalConstraint
from transformers.generation import PrefixConstrainedLogitsProcessor
from transformers.generation import PromptLookupCandidateGenerator
```

```

from transformers.generation import RepetitionPenaltyLogitsProcessor
from transformers.generation import SampleDecoderOnlyOutput
from transformers.generation import SampleEncoderDecoderOutput
from transformers.generation import SequenceBiasLogitsProcessor
from transformers.generation import StoppingCriteria
from transformers.generation import StoppingCriteriaList
from transformers.generation import StopStringCriteria
from transformers.generation import SuppressTokensAtBeginLogitsProcessor
from transformers.generation import SuppressTokensLogitsProcessor
from transformers.generation import SynthIDTextWatermarkDetector
from transformers.generation import SynthIDTextWatermarkingConfig
from transformers.generation import SynthIDTextWatermarkLogitsProcessor
from transformers.generation import TemperatureLogitsWarper
from transformers.generation import TextIteratorStreamer
from transformers.generation import TextStreamer
from transformers.generation import TFBeamSampleDecoderOnlyOutput
from transformers.generation import TFBeamSampleEncoderDecoderOutput
from transformers.generation import TFBeamSearchDecoderOnlyOutput
from transformers.generation import TFBeamSearchEncoderDecoderOutput
from transformers.generation import TFContrastiveSearchDecoderOnlyOutput
from transformers.generation import TFContrastiveSearchEncoderDecoderOutput
from transformers.generation import TFForcedBOSTokenLogitsProcessor
from transformers.generation import TFForcedEOSTokenLogitsProcessor
from transformers.generation import TFForceTokensLogitsProcessor
from transformers.generation import TFGenerationMixin
from transformers.generation import TFGreedySearchDecoderOnlyOutput
from transformers.generation import TFGreedySearchEncoderDecoderOutput
from transformers.generation import TFLogitsProcessor
from transformers.generation import TFLogitsProcessorList
from transformers.generation import TFLogitsWarper
from transformers.generation import TFMinLengthLogitsProcessor
from transformers.generation import TFNoBadWordsLogitsProcessor
from transformers.generation import TFNoRepeatNGramLogitsProcessor
from transformers.generation import TFRepetitionPenaltyLogitsProcessor
from transformers.generation import TFSampleDecoderOnlyOutput
from transformers.generation import TFSampleEncoderDecoderOutput
from transformers.generation import TFSuppressTokensAtBeginLogitsProcessor
from transformers.generation import TFSuppressTokensLogitsProcessor
from transformers.generation import TFTemperatureLogitsWarper
from transformers.generation import TFTopKLogitsWarper
from transformers.generation import TFTopPLogitsWarper
from transformers.generation import TopKLogitsWarper
from transformers.generation import TopPLogitsWarper
from transformers.generation import TypicalLogitsWarper
from transformers.generation import UnbatchedClassifierFreeGuidanceLogitsProcessor
from transformers.generation import WatermarkDetector
from transformers.generation import WatermarkDetectorOutput
from transformers.generation import WatermarkingConfig
from transformers.generation import WatermarkLogitsProcessor
from transformers.generation import WhisperTimeStampLogitsProcessor

```

Functions

```
from transformers.generation import validate_stopping_criteria
```

Sentinels / Constants / Objects

(none)

transformers.hf_argparser

Classes

[

Any,

```
ArgumentDefaultsHelpFormatter,  
ArgumentParser,  
ArgumentTypeError,  
Enum,  
HfArgumentParser,  
Iterable,  
NewType,  
Path
```

```
]
```

Functions

```
[  
    copy,  
    get_type_hints,  
    HfArg,  
    isclass,  
    make_choice_type_function,  
    string_to_bool
```

```
]
```

Sentinels / Constants / Objects

```
[  
    Callable,  
    DataClass,  
    DataClassType,  
    Literal,  
    Optional,  
    Union
```

```
]
```

Import statements

```
from transformers.hf_argparser import Any  
from transformers.hf_argparser import ArgumentDefaultsHelpFormatter  
from transformers.hf_argparser import ArgumentParser  
from transformers.hf_argparser import ArgumentTypeError  
from transformers.hf_argparser import Enum  
from transformers.hf_argparser import HfArgumentParser  
from transformers.hf_argparser import Iterable  
from transformers.hf_argparser import NewType  
from transformers.hf_argparser import Path
```

Functions

```
from transformers.hf_argparser import copy  
from transformers.hf_argparser import get_type_hints  
from transformers.hf_argparser import HfArg  
from transformers.hf_argparser import isclass  
from transformers.hf_argparser import make_choice_type_function  
from transformers.hf_argparser import string_to_bool
```

Sentinels / Constants / Objects

```
from transformers.hf_argparser import Callable  
from transformers.hf_argparser import DataClass  
from transformers.hf_argparser import DataClassType  
from transformers.hf_argparser import Literal  
from transformers.hf_argparser import Optional  
from transformers.hf_argparser import Union
```

[transformers.hyperparameter_search](#)

Classes

```
[  
    HPSearchBackend,  
    HyperParamSearchBackendBase,  
    OptunaBackend,  
    RayTuneBackend,
```

```
SigOptBackend,  
WandbBackend
```

```
]
```

Functions

```
[  
    default_hp_search_backend,  
    default_hp_space_optuna,  
    default_hp_space_ray,  
    default_hp_space_sigopt,  
    default_hp_space_wandb,  
    is_optuna_available,  
    is_ray_tune_available,  
    is_sigopt_available,  
    is_wandb_available,  
    run_hp_search_optuna,  
    run_hp_search_ray,  
    run_hp_search_sigopt,  
    run_hp_search_wandb  
]
```

Sentinels / Constants / Objects

```
[  
    ALL_HYPERPARAMETER_SEARCH_BACKENDS,  
    logger,  
    Optional  
]
```

Import statements

```
from transformers.hyperparameter_search import HPSearchBackend  
from transformers.hyperparameter_search import HyperParamSearchBackendBase  
from transformers.hyperparameter_search import OptunaBackend  
from transformers.hyperparameter_search import RayTuneBackend  
from transformers.hyperparameter_search import SigOptBackend  
from transformers.hyperparameter_search import WandbBackend
```

Functions

```
from transformers.hyperparameter_search import default_hp_search_backend  
from transformers.hyperparameter_search import default_hp_space_optuna  
from transformers.hyperparameter_search import default_hp_space_ray  
from transformers.hyperparameter_search import default_hp_space_sigopt  
from transformers.hyperparameter_search import default_hp_space_wandb  
from transformers.hyperparameter_search import is_optuna_available  
from transformers.hyperparameter_search import is_ray_tune_available  
from transformers.hyperparameter_search import is_sigopt_available  
from transformers.hyperparameter_search import is_wandb_available  
from transformers.hyperparameter_search import run_hp_search_optuna  
from transformers.hyperparameter_search import run_hp_search_ray  
from transformers.hyperparameter_search import run_hp_search_sigopt  
from transformers.hyperparameter_search import run_hp_search_wandb
```

Sentinels / Constants / Objects

```
from transformers.hyperparameter_search import ALL_HYPERPARAMETER_SEARCH_BACKENDS  
from transformers.hyperparameter_search import logger  
from transformers.hyperparameter_search import Optional
```

[transformers.image_processing_base](#)

Classes

```
[  
    Any,  
    BaseBatchFeature,  
    BatchFeature,  
    BytesIO,  
    ImageProcessingMixin,  
]
```

```
    PushToHubMixin,  
    TypeVar
```

```
]
```

Functions

```
[  
    cached_file,  
    copy_func,  
    custom_object_save,  
    download_url,  
    is_offline_mode,  
    is_remote_url
```

```
]
```

Sentinels / Constants / Objects

```
[  
    IMAGE_PROCESSOR_NAME,  
    ImageProcessorType,  
    is_vision_available,  
    logger,  
    Optional,  
    Union
```

```
]
```

Import statements

```
from transformers.image_processing_base import Any  
from transformers.image_processing_base import BaseBatchFeature  
from transformers.image_processing_base import BatchFeature  
from transformers.image_processing_base import BytesIO  
from transformers.image_processing_base import ImageProcessingMixin  
from transformers.image_processing_base import PushToHubMixin  
from transformers.image_processing_base import TypeVar
```

Functions

```
from transformers.image_processing_base import cached_file  
from transformers.image_processing_base import copy_func  
from transformers.image_processing_base import custom_object_save  
from transformers.image_processing_base import download_url  
from transformers.image_processing_base import is_offline_mode  
from transformers.image_processing_base import is_remote_url
```

Sentinels / Constants / Objects

```
from transformers.image_processing_base import IMAGE_PROCESSOR_NAME  
from transformers.image_processing_base import ImageProcessorType  
from transformers.image_processing_base import is_vision_available  
from transformers.image_processing_base import logger  
from transformers.image_processing_base import Optional  
from transformers.image_processing_base import Union
```

[transformers.image_processing_utils](#)

Classes

```
[  
    BaseImageProcessor,  
    BatchFeature,  
    ChannelDimension,  
    ImageProcessingMixin,  
    Iterable
```

```
]
```

Functions

```
[  
    center_crop,  
    convert_to_size_dict,  
    get_image_size,  
    get_patch_output_size,
```

```

    get_size_dict,
    is_valid_size_dict,
    normalize,
    requires,
    rescale,
    select_best_resolution
]

```

Sentinels / Constants / Objects

```

[
    INIT_SERVICE_KWARGS,
    logger,
    Optional,
    Union,
    VALID_SIZE_DICT_KEYS
]

```

Import statements

```

from transformers.image_processing_utils import BaseImageProcessor
from transformers.image_processing_utils import BatchFeature
from transformers.image_processing_utils import ChannelDimension
from transformers.image_processing_utils import ImageProcessingMixin
from transformers.image_processing_utils import Iterable

```

Functions

```

from transformers.image_processing_utils import center_crop
from transformers.image_processing_utils import convert_to_size_dict
from transformers.image_processing_utils import get_image_size
from transformers.image_processing_utils import get_patch_output_size
from transformers.image_processing_utils import get_size_dict
from transformers.image_processing_utils import is_valid_size_dict
from transformers.image_processing_utils import normalize
from transformers.image_processing_utils import requires
from transformers.image_processing_utils import rescale
from transformers.image_processing_utils import select_best_resolution

```

Sentinels / Constants / Objects

```

from transformers.image_processing_utils import INIT_SERVICE_KWARGS
from transformers.image_processing_utils import logger
from transformers.image_processing_utils import Optional
from transformers.image_processing_utils import Union
from transformers.image_processing_utils import VALID_SIZE_DICT_KEYS

```

[transformers.image_processing_utils_fast](#)

Classes

```

[
    Any,
    BaseImageProcessor,
    BaseImageProcessorFast,
    BatchFeature,
    ChannelDimension,
    DefaultFastImageProcessorKwargs,
    ImageType,
    Iterable,
    partial,
    PILImageResampling,
    SizeDict,
    TensorType
]

```

Functions

```

[
    auto_docstring,
    convert_to_rgb,

```

```

deepcopy,
divide_to_patches,
get_image_size,
get_image_size_for_max_height_width,
get_image_type,
get_max_height_width,
get_resize_output_image_size,
get_size_dict,
get_size_with_aspect_ratio,
group_images_by_shape,
infer_channel_dimension_format,
is_rocm_platform,
is_torch_available,
is_torchvision_available,
is_torchvision_v2_available,
lru_cache,
make_flat_list_of_images,
max_across_indices,
reorder_images,
safe_squeeze,
TypedDict,
validate_kwargs,
validate_preprocess_arguments
]

```

Sentinels / Constants / Objects

```

[
    ImageInput,
    is_vision_available,
    logger,
    Optional,
    pil_torch_interpolation_mapping,
    Union,
    Unpack,
    validate_fast_preprocess_arguments
]

```

Import statements

```

from transformers.image_processing_utils_fast import Any
from transformers.image_processing_utils_fast import BaseImageProcessor
from transformers.image_processing_utils_fast import BaseImageProcessorFast
from transformers.image_processing_utils_fast import BatchFeature
from transformers.image_processing_utils_fast import ChannelDimension
from transformers.image_processing_utils_fast import DefaultFastImageProcessorKwargs
from transformers.image_processing_utils_fast import ImageType
from transformers.image_processing_utils_fast import Iterable
from transformers.image_processing_utils_fast import partial
from transformers.image_processing_utils_fast import PILImageResampling
from transformers.image_processing_utils_fast import SizeDict
from transformers.image_processing_utils_fast import TensorType

```

Functions

```

from transformers.image_processing_utils_fast import auto_docstring
from transformers.image_processing_utils_fast import convert_to_rgb
from transformers.image_processing_utils_fast import deepcopy
from transformers.image_processing_utils_fast import divide_to_patches
from transformers.image_processing_utils_fast import get_image_size
from transformers.image_processing_utils_fast import get_image_size_for_max_height_width
from transformers.image_processing_utils_fast import get_image_type
from transformers.image_processing_utils_fast import get_max_height_width
from transformers.image_processing_utils_fast import get_resize_output_image_size
from transformers.image_processing_utils_fast import get_size_dict
from transformers.image_processing_utils_fast import get_size_with_aspect_ratio
from transformers.image_processing_utils_fast import group_images_by_shape

```

```

from transformers.image_processing_utils_fast import infer_channel_dimension_format
from transformers.image_processing_utils_fast import is_rocm_platform
from transformers.image_processing_utils_fast import is_torch_available
from transformers.image_processing_utils_fast import is_torchvision_available
from transformers.image_processing_utils_fast import is_torchvision_v2_available
from transformers.image_processing_utils_fast import lru_cache
from transformers.image_processing_utils_fast import make_flat_list_of_images
from transformers.image_processing_utils_fast import max_across_indices
from transformers.image_processing_utils_fast import reorder_images
from transformers.image_processing_utils_fast import safe_squeeze
from transformers.image_processing_utils_fast import TypedDict
from transformers.image_processing_utils_fast import validate_kwargs
from transformers.image_processing_utils_fast import validate_preprocess_arguments

# Sentinels / Constants / Objects
from transformers.image_processing_utils_fast import ImageInput
from transformers.image_processing_utils_fast import is_vision_available
from transformers.image_processing_utils_fast import logger
from transformers.image_processing_utils_fast import Optional
from transformers.image_processing_utils_fast import pil_torch_interpolation_mapping
from transformers.image_processing_utils_fast import Union
from transformers.image_processing_utils_fast import Unpack
from transformers.image_processing_utils_fast import validate_fast_preprocess_arguments

```

transformers.image_transforms

Classes

```

[
    ChannelDimension,
    Collection,
    defaultdict,
    ExplicitEnum,
    Iterable,
    NumpyToTensor,
    PaddingMode,
    PILImageResampling,
    TensorType
]

```

Functions

```

[
    ceil,
    center_crop,
    center_to_corners_format,
    convert_to_rgb,
    corners_to_center_format,
    flip_channel_order,
    get_channel_dimension_axis,
    get_image_size,
    get_resize_output_image_size,
    get_size_with_aspect_ratio,
    group_images_by_shape,
    id_to_rgb,
    infer_channel_dimension_format,
    is_flax_available,
    is_jax_tensor,
    is_tf_available,
    is_tf_tensor,
    is_torch_available,
    is_torch_tensor,
    normalize,
    pad,
    reorder_images,
]

```



```
requires_backends,  
rescale,  
resize,  
rgb_to_id,  
to_channel_dimension_format,  
to_pil_image  
]
```

Sentinels / Constants / Objects

```
[  
    ImageInput,  
    is_vision_available,  
    Optional,  
    Union  
]
```

Import statements

```
from transformers.image_transforms import ChannelDimension  
from transformers.image_transforms import Collection  
from transformers.image_transforms import defaultdict  
from transformers.image_transforms import ExplicitEnum  
from transformers.image_transforms import Iterable  
from transformers.image_transforms import NumpyToTensor  
from transformers.image_transforms import PaddingMode  
from transformers.image_transforms import PILImageResampling  
from transformers.image_transforms import TensorType
```

Functions

```
from transformers.image_transforms import ceil  
from transformers.image_transforms import center_crop  
from transformers.image_transforms import center_to_corners_format  
from transformers.image_transforms import convert_to_rgb  
from transformers.image_transforms import corners_to_center_format  
from transformers.image_transforms import flip_channel_order  
from transformers.image_transforms import get_channel_dimension_axis  
from transformers.image_transforms import get_image_size  
from transformers.image_transforms import get_resize_output_image_size  
from transformers.image_transforms import get_size_with_aspect_ratio  
from transformers.image_transforms import group_images_by_shape  
from transformers.image_transforms import id_to_rgb  
from transformers.image_transforms import infer_channel_dimension_format  
from transformers.image_transforms import is_flax_available  
from transformers.image_transforms import is_jax_tensor  
from transformers.image_transforms import is_tf_available  
from transformers.image_transforms import is_tf_tensor  
from transformers.image_transforms import is_torch_available  
from transformers.image_transforms import is_torch_tensor  
from transformers.image_transforms import normalize  
from transformers.image_transforms import pad  
from transformers.image_transforms import reorder_images  
from transformers.image_transforms import requires_backends  
from transformers.image_transforms import rescale  
from transformers.image_transforms import resize  
from transformers.image_transforms import rgb_to_id  
from transformers.image_transforms import to_channel_dimension_format  
from transformers.image_transforms import to_pil_image
```

Sentinels / Constants / Objects

```
from transformers.image_transforms import ImageInput  
from transformers.image_transforms import is_vision_available  
from transformers.image_transforms import Optional  
from transformers.image_transforms import Union
```

transformers.image_utils

Classes

```
[
    AnnotationFormat,
    AnnotationFormat,
    BytesIO,
    ChannelDimension,
    ExplicitEnum,
    ImageFeatureExtractionMixin,
    ImageType,
    InterpolationMode,
    Iterable,
    PILImageResampling,
    SizeDict
]
```

Functions

```
[
    concatenate_list,
    dataclass,
    get_channel_dimension_axis,
    get_image_size,
    get_image_size_for_max_height_width,
    get_image_type,
    infer_channel_dimension_format,
    is_batched,
    is_jax_tensor,
    is_numpy_array,
    is_pil_image,
    is_scaled_image,
    is_tf_tensor,
    is_torch_available,
    is_torch_tensor,
    is_torchvision_available,
    is_valid_annotation_coco_detection,
    is_valid_annotation_coco_panoptic,
    is_valid_image,
    is_valid_list_of_images,
    load_image,
    load_images,
    make_flat_list_of_images,
    make_list_of_images,
    make_nested_list_of_images,
    requires_backends,
    to_numpy,
    to_numpy_array,
    valid_coco_detection_annotations,
    valid_coco_panoptic_annotations,
    valid_images,
    validate_annotations,
    validate_kwargs,
    validate_preprocess_arguments
]
```

Sentinels / Constants / Objects

```
[
    AnnotationType,
    ImageInput,
    IMAGENET_DEFAULT_MEAN,
    IMAGENET_DEFAULT_STD,
    IMAGENET_STANDARD_MEAN,
    IMAGENET_STANDARD_STD,
    is_vision_available,
]
```

```

    logger,
    OPENAI_CLIP_MEAN,
    OPENAI_CLIP_STD,
    Optional,
    pil_torch_interpolation_mapping,
    Union
]

```

Import statements

```

from transformers.image_utils import AnnotationFormat
from transformers.image_utils import AnnotationFormat
from transformers.image_utils import BytesIO
from transformers.image_utils import ChannelDimension
from transformers.image_utils import ExplicitEnum
from transformers.image_utils import ImageFeatureExtractionMixin
from transformers.image_utils import ImageType
from transformers.image_utils import InterpolationMode
from transformers.image_utils import Iterable
from transformers.image_utils import PILImageResampling
from transformers.image_utils import SizeDict

```

Functions

```

from transformers.image_utils import concatenate_list
from transformers.image_utils import dataclass
from transformers.image_utils import get_channel_dimension_axis
from transformers.image_utils import get_image_size
from transformers.image_utils import get_image_size_for_max_height_width
from transformers.image_utils import get_image_type
from transformers.image_utils import infer_channel_dimension_format
from transformers.image_utils import is_batched
from transformers.image_utils import is_jax_tensor
from transformers.image_utils import is_numpy_array
from transformers.image_utils import is_pil_image
from transformers.image_utils import is_scaled_image
from transformers.image_utils import is_tf_tensor
from transformers.image_utils import is_torch_available
from transformers.image_utils import is_torch_tensor
from transformers.image_utils import is_torchvision_available
from transformers.image_utils import is_valid_annotation_coco_detection
from transformers.image_utils import is_valid_annotation_coco_panoptic
from transformers.image_utils import is_valid_image
from transformers.image_utils import is_valid_list_of_images
from transformers.image_utils import load_image
from transformers.image_utils import load_images
from transformers.image_utils import make_flat_list_of_images
from transformers.image_utils import make_list_of_images
from transformers.image_utils import make_nested_list_of_images
from transformers.image_utils import requires_backends
from transformers.image_utils import to_numpy
from transformers.image_utils import to_numpy_array
from transformers.image_utils import valid_coco_detection_annotations
from transformers.image_utils import valid_coco_panoptic_annotations
from transformers.image_utils import valid_images
from transformers.image_utils import validate_annotations
from transformers.image_utils import validate_kwargs
from transformers.image_utils import validate_preprocess_arguments

```

Sentinels / Constants / Objects

```

from transformers.image_utils import AnnotationType
from transformers.image_utils import ImageInput
from transformers.image_utils import IMAGENET_DEFAULT_MEAN
from transformers.image_utils import IMAGENET_DEFAULT_STD
from transformers.image_utils import IMAGENET_STANDARD_MEAN

```

```
from transformers.image_utils import IMAGENET_STANDARD_STD
from transformers.image_utils import is_vision_available
from transformers.image_utils import logger
from transformers.image_utils import OPENAI_CLIP_MEAN
from transformers.image_utils import OPENAI_CLIP_STD
from transformers.image_utils import Optional
from transformers.image_utils import pil_torch_interpolation_mapping
from transformers.image_utils import Union
```

transformers.integrations

Classes

```
[
    AzureMLCallback,
    BitLinear,
    ClearMLCallback,
    CodeCarbonCallback,
    CometCallback,
    DagsHubCallback,
    DVCLiveCallback,
    FbgemmFp8Linear,
    FbgemmFp8Llama4TextExperts,
    FlyteCallback,
    FP8Linear,
    HfDeepSpeedConfig,
    HfTrainerDeepSpeedConfig,
    HiggsLinear,
    LayerRepository,
    MLflowCallback,
    Mxfp4GptOssExperts,
    NeptuneCallback,
    NeptuneMissingConfiguration,
    PeftAdapterMixin,
    SwanLabCallback,
    TensorBoardCallback,
    TorchExportableModuleWithStaticCache,
    TrackioCallback,
    WandbCallback
]
```

Functions

```
[
    convert_and_export_with_cache,
    convert_moe_packed_tensors,
    deepspeed_config,
    deepspeed_init,
    deepspeed_load_checkpoint,
    deepspeed_optim_sched,
    dequantize,
    dequantize_and_replace,
    dequantize_higgs,
    fuse_awq_modules,
    get_available_reporting_integrations,
    get_keys_to_not_convert,
    get_reporting_integration_callbacks,
    hp_params,
    is_azureml_available,
    is_clearml_available,
    is_codecarbon_available,
    is_comet_available,
    is_dagshub_available,
    is_deepspeed_available,
    is_deepspeed_zero3_enabled,
```

```

is_dvclive_available,
is_flyte_deck_standard_available,
is_flytekit_available,
is_fsdp_managed_module,
is_mlflow_available,
is_neptune_available,
is_optuna_available,
is_ray_available,
is_ray_tune_available,
is_sigopt_available,
is_swanlab_available,
is_tensorboard_available,
is_trackio_available,
is_wandb_available,
load_and_swizzle_mxfp4,
make_flex_block_causal_mask,
pack_weights,
post_init_awq_exllama_modules,
post_init_awq_ipex_modules,
prepare_for_hqq_linear,
quantize_to_mxfp4,
quantize_with_higgs,
register_kernel_mapping,
replace_8bit_linear,
replace_kernel_forward_from_hub,
replace_quantization_scales,
replace_with_aqlm_linear,
replace_with_awq_linear,
replace_with_bitnet_linear,
replace_with_bnb_linear,
replace_with_eetq_linear,
replace_with_fbgemm_fp8_linear,
replace_with_fp8_linear,
replace_with_higgs_linear,
replace_with_mxfp4_linear,
replace_with_quanto_layers,
replace_with_spqr_linear,
rewrite_logs,
run_hp_search_optuna,
run_hp_search_ray,
run_hp_search_sigopt,
run_hp_search_wandb,
set_hf_deepspeed_config,
set_module_8bit_tensor_to_device,
set_module_quantized_tensor_to_device,
shard_and_distribute_module,
unpack_weights,
unset_hf_deepspeed_config,
use_kernel_forward_from_hub,
validate_bnb_backend_availability

```

```
]
```

Sentinels / Constants / Objects

```

[
    ALL_PARALLEL_STYLES,
    GGUF_CONFIG_MAPPING,
    GGUF_TOKENIZER_MAPPING,
    INTEGRATION_TO_CALLBACK

```

```
]
```

Import statements

```

from transformers.integrations import AzureMLCallback
from transformers.integrations import BitLinear
from transformers.integrations import ClearMLCallback

```

```

from transformers.integrations import CodeCarbonCallback
from transformers.integrations import CometCallback
from transformers.integrations import DagsHubCallback
from transformers.integrations import DVCLiveCallback
from transformers.integrations import FbgemmFp8Linear
from transformers.integrations import FbgemmFp8Llama4TextExperts
from transformers.integrations import FlyteCallback
from transformers.integrations import FP8Linear
from transformers.integrations import HfDeepSpeedConfig
from transformers.integrations import HfTrainerDeepSpeedConfig
from transformers.integrations import HiggsLinear
from transformers.integrations import LayerRepository
from transformers.integrations import MLflowCallback
from transformers.integrations import Mx4p4GptOssExperts
from transformers.integrations import NeptuneCallback
from transformers.integrations import NeptuneMissingConfiguration
from transformers.integrations import PeftAdapterMixin
from transformers.integrations import SwanLabCallback
from transformers.integrations import TensorBoardCallback
from transformers.integrations import TorchExportableModuleWithStaticCache
from transformers.integrations import TrackioCallback
from transformers.integrations import WandbCallback

```

Functions

```

from transformers.integrations import convert_and_export_with_cache
from transformers.integrations import convert_moe_packed_tensors
from transformers.integrations import deepspeed_config
from transformers.integrations import deepspeed_init
from transformers.integrations import deepspeed_load_checkpoint
from transformers.integrations import deepspeed_optim_sched
from transformers.integrations import dequantize
from transformers.integrations import dequantize_and_replace
from transformers.integrations import dequantize_higgs
from transformers.integrations import fuse_awq_modules
from transformers.integrations import get_available_reporting_integrations
from transformers.integrations import get_keys_to_not_convert
from transformers.integrations import get_reporting_integration_callbacks
from transformers.integrations import hp_params
from transformers.integrations import is_azureml_available
from transformers.integrations import is_clearml_available
from transformers.integrations import is_codecarbon_available
from transformers.integrations import is_comet_available
from transformers.integrations import is_dagshub_available
from transformers.integrations import is_deepspeed_available
from transformers.integrations import is_deepspeed_zero3_enabled
from transformers.integrations import is_dvclive_available
from transformers.integrations import is_flyte_deck_standard_available
from transformers.integrations import is_flytekit_available
from transformers.integrations import is_fsdp_managed_module
from transformers.integrations import is_mlflow_available
from transformers.integrations import is_neptune_available
from transformers.integrations import is_optuna_available
from transformers.integrations import is_ray_available
from transformers.integrations import is_ray_tune_available
from transformers.integrations import is_sigopt_available
from transformers.integrations import is_swanlab_available
from transformers.integrations import is_tensorboard_available
from transformers.integrations import is_trackio_available
from transformers.integrations import is_wandb_available
from transformers.integrations import load_and_swizzle_mx4p4
from transformers.integrations import make_flex_block_causal_mask
from transformers.integrations import pack_weights

```

```

from transformers.integrations import post_init_awq_exllama_modules
from transformers.integrations import post_init_awq_ipex_modules
from transformers.integrations import prepare_for_hqq_linear
from transformers.integrations import quantize_to_mxfp4
from transformers.integrations import quantize_with_higgs
from transformers.integrations import register_kernel_mapping
from transformers.integrations import replace_8bit_linear
from transformers.integrations import replace_kernel_forward_from_hub
from transformers.integrations import replace_quantization_scales
from transformers.integrations import replace_with_aqlm_linear
from transformers.integrations import replace_with_awq_linear
from transformers.integrations import replace_with_bitnet_linear
from transformers.integrations import replace_with_bnb_linear
from transformers.integrations import replace_with_eetq_linear
from transformers.integrations import replace_with_fbgemm_fp8_linear
from transformers.integrations import replace_with_fp8_linear
from transformers.integrations import replace_with_higgs_linear
from transformers.integrations import replace_with_mxfp4_linear
from transformers.integrations import replace_with_quanto_layers
from transformers.integrations import replace_with_spqr_linear
from transformers.integrations import rewrite_logs
from transformers.integrations import run_hp_search_optuna
from transformers.integrations import run_hp_search_ray
from transformers.integrations import run_hp_search_sigopt
from transformers.integrations import run_hp_search_wandb
from transformers.integrations import set_hf_deepspeed_config
from transformers.integrations import set_module_8bit_tensor_to_device
from transformers.integrations import set_module_quantized_tensor_to_device
from transformers.integrations import shard_and_distribute_module
from transformers.integrations import unpack_weights
from transformers.integrations import unset_hf_deepspeed_config
from transformers.integrations import use_kernel_forward_from_hub
from transformers.integrations import validate_bnb_backend_availability

# Sentinels / Constants / Objects
from transformers.integrations import ALL_PARALLEL_STYLES
from transformers.integrations import GGUF_CONFIG_MAPPING
from transformers.integrations import GGUF_TOKENIZER_MAPPING
from transformers.integrations import INTEGRATION_TO_CALLBACK

```

transformers.keras_callbacks

Classes

```

[
    IntervalStrategy,
    KerasMetricCallback,
    Path,
    PreTrainedTokenizerBase,
    PushToHubCallback,
    Repository,
    TrainingSummary
]

```

Functions

```

[
    create_repo,
    parse,
    sleep
]

```

Sentinels / Constants / Objects

```

[
    Callable,
    logger,
]

```

```

    Optional,
    Union
]
Import statements
from transformers.keras_callbacks import IntervalStrategy
from transformers.keras_callbacks import KerasMetricCallback
from transformers.keras_callbacks import Path
from transformers.keras_callbacks import PreTrainedTokenizerBase
from transformers.keras_callbacks import PushToHubCallback
from transformers.keras_callbacks import Repository
from transformers.keras_callbacks import TrainingSummary

# Functions
from transformers.keras_callbacks import create_repo
from transformers.keras_callbacks import parse
from transformers.keras_callbacks import sleep

# Sentinels / Constants / Objects
from transformers.keras_callbacks import Callable
from transformers.keras_callbacks import logger
from transformers.keras_callbacks import Optional
from transformers.keras_callbacks import Union

```

transformers.kernels

Classes

```
[]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
(none)
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

transformers.loss

Classes

```
[]
```

Functions

```
[]
```

Sentinels / Constants / Objects

```
[]
```

Import statements

```
(none)
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

transformers.masking_utils

Classes

```
[
    AttentionMask,
```



```
AttentionMaskInterface,  
BlockMask,  
Cache,  
GeneralInterface,  
PretrainedConfig,  
TransformGetItemToIndex  
]
```

Functions

```
[  
    add_offsets_to_mask_function,  
    and_masks,  
    causal_mask_function,  
    chunked_causal_mask_function,  
    chunked_overlay,  
    create_block_mask,  
    create_causal_mask,  
    create_chunked_causal_mask,  
    create_masks_for_generate,  
    create_sliding_window_causal_mask,  
    eager_mask,  
    find_packed_sequence_indices,  
    flash_attention_mask,  
    flex_attention_mask,  
    get_style,  
    is_torch_flex_attn_available,  
    is_torchdynamo_compiling,  
    or_masks,  
    packed_sequence_mask_function,  
    padding_mask_function,  
    prepare_padding_mask,  
    sdpa_mask,  
    sdpa_mask_older_torch,  
    sdpa_mask_recent_torch,  
    sliding_window_causal_mask_function,  
    sliding_window_overlay,  
    tensor_to_mask_visual  
]
```

Sentinels / Constants / Objects

```
[  
    ALL_MASK_ATTENTION_FUNCTIONS,  
    BLACK_SQUARE,  
    Callable,  
    flex_default_block_size,  
    GREEN,  
    GREEN_SQUARE,  
    GREY_SQUARE,  
    is_torch_greater_or_equal,  
    is_torch_xpu_available,  
    LAYER_PATTERN_TO_MASK_FUNCTION_MAPPING,  
    LOW_TRIANGLE,  
    Optional,  
    RESET,  
    Union,  
    UPPER_TRIANGLE,  
    WHITE_SQUARE,  
    YELLOW,  
    YELLOW_SQUARE  
]
```

Import statements

```
from transformers.masking_utils import AttentionMask  
from transformers.masking_utils import AttentionMaskInterface  
from transformers.masking_utils import BlockMask
```

```

from transformers.masking_utils import Cache
from transformers.masking_utils import GeneralInterface
from transformers.masking_utils import PretrainedConfig
from transformers.masking_utils import TransformGetItemToIndex

# Functions
from transformers.masking_utils import add_offsets_to_mask_function
from transformers.masking_utils import and_masks
from transformers.masking_utils import causal_mask_function
from transformers.masking_utils import chunked_causal_mask_function
from transformers.masking_utils import chunked_overlay
from transformers.masking_utils import create_block_mask
from transformers.masking_utils import create_causal_mask
from transformers.masking_utils import create_chunked_causal_mask
from transformers.masking_utils import create_masks_for_generate
from transformers.masking_utils import create_sliding_window_causal_mask
from transformers.masking_utils import eager_mask
from transformers.masking_utils import find_packed_sequence_indices
from transformers.masking_utils import flash_attention_mask
from transformers.masking_utils import flex_attention_mask
from transformers.masking_utils import get_style
from transformers.masking_utils import is_torch_flex_attn_available
from transformers.masking_utils import is_torchdynamo_compiling
from transformers.masking_utils import or_masks
from transformers.masking_utils import packed_sequence_mask_function
from transformers.masking_utils import padding_mask_function
from transformers.masking_utils import prepare_padding_mask
from transformers.masking_utils import sdpa_mask
from transformers.masking_utils import sdpa_mask_older_torch
from transformers.masking_utils import sdpa_mask_recent_torch
from transformers.masking_utils import sliding_window_causal_mask_function
from transformers.masking_utils import sliding_window_overlay
from transformers.masking_utils import tensor_to_mask_visual

# Sentinels / Constants / Objects
from transformers.masking_utils import ALL_MASK_ATTENTION_FUNCTIONS
from transformers.masking_utils import BLACK_SQUARE
from transformers.masking_utils import Callable
from transformers.masking_utils import flex_default_block_size
from transformers.masking_utils import GREEN
from transformers.masking_utils import GREEN_SQUARE
from transformers.masking_utils import GREY_SQUARE
from transformers.masking_utils import is_torch_greater_or_equal
from transformers.masking_utils import is_torch_xpu_available
from transformers.masking_utils import LAYER_PATTERN_TO_MASK_FUNCTION_MAPPING
from transformers.masking_utils import LOW_TRIANGLE
from transformers.masking_utils import Optional
from transformers.masking_utils import RESET
from transformers.masking_utils import Union
from transformers.masking_utils import UPPER_TRIANGLE
from transformers.masking_utils import WHITE_SQUARE
from transformers.masking_utils import YELLOW
from transformers.masking_utils import YELLOW_SQUARE

```

transformers.model_debugging_utils

Classes

```

[
    redirect_stdout,
    StringIO
]

```

Functions

```
[
    contextmanager,
    is_layer_block,
    is_torch_available,
    log_model_debug_trace,
    model_addition_debugger_context,
    prune_intermediate_layers,
    prune_outputs_if_children,
    requires,
    save_file
]
Sentinels / Constants / Objects
[
    LAYER_SUFFIX_RE,
    logger,
    MEMORY_ADDRESS_REGEX,
    Optional
]
Import statements
from transformers.model_debugging_utils import redirect_stdout
from transformers.model_debugging_utils import StringIO

# Functions
from transformers.model_debugging_utils import contextmanager
from transformers.model_debugging_utils import is_layer_block
from transformers.model_debugging_utils import is_torch_available
from transformers.model_debugging_utils import log_model_debug_trace
from transformers.model_debugging_utils import model_addition_debugger_context
from transformers.model_debugging_utils import prune_intermediate_layers
from transformers.model_debugging_utils import prune_outputs_if_children
from transformers.model_debugging_utils import requires
from transformers.model_debugging_utils import save_file

# Sentinels / Constants / Objects
from transformers.model_debugging_utils import LAYER_SUFFIX_RE
from transformers.model_debugging_utils import logger
from transformers.model_debugging_utils import MEMORY_ADDRESS_REGEX
from transformers.model_debugging_utils import Optional
```

transformers.modelcard

Classes

```
[
    Any,
    HFValidationError,
    ModelCard,
    OfflineModeIsEnabled,
    ParallelMode,
    Path,
    TrainingSummary
]
```

Functions

```
[
    cached_file,
    dataclass,
    extract_hyperparameters_from_keras,
    extract_hyperparameters_from_trainer,
    infer_metric_tags_from_eval_results,
    is_datasets_available,
    is_hf_dataset,
    is_offline_mode,
    is_tf_available,
```

```
is_tokenizers_available,  
is_torch_available,  
make_markdown_table,  
model_info,  
parse_keras_history,  
parse_log_history
```

```
]
```

Sentinels / Constants / Objects

```
[  
    AUTOGENERATED_KERAS_COMMENT,  
    AUTOGENERATED_TRAINER_COMMENT,  
    logger,  
    METRIC_TAGS,  
    MODEL_CARD_NAME,  
    MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING_NAMES,  
    MODEL_FOR_CAUSAL_LM_MAPPING_NAMES,  
    MODEL_FOR_CTC_MAPPING_NAMES,  
    MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING_NAMES,  
    MODEL_FOR_IMAGE_SEGMENTATION_MAPPING_NAMES,  
    MODEL_FOR_IMAGE_TEXT_TO_TEXT_MAPPING_NAMES,  
    MODEL_FOR_MASKED_LM_MAPPING_NAMES,  
    MODEL_FOR_OBJECT_DETECTION_MAPPING_NAMES,  
    MODEL_FOR_QUESTION_ANSWERING_MAPPING_NAMES,  
    MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING_NAMES,  
    MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING_NAMES,  
    MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING_NAMES,  
    MODEL_FOR_TABLE_QUESTION_ANSWERING_MAPPING_NAMES,  
    MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING_NAMES,  
    MODEL_FOR_ZERO_SHOT_IMAGE_CLASSIFICATION_MAPPING_NAMES,  
    Optional,  
    TASK_MAPPING,  
    TASK_TAG_TO_NAME_MAPPING,  
    Union  
]
```

Import statements

```
from transformers.modelcard import Any  
from transformers.modelcard import HFValidationError  
from transformers.modelcard import ModelCard  
from transformers.modelcard import OfflineModeIsEnabled  
from transformers.modelcard import ParallelMode  
from transformers.modelcard import Path  
from transformers.modelcard import TrainingSummary
```

Functions

```
from transformers.modelcard import cached_file  
from transformers.modelcard import dataclass  
from transformers.modelcard import extract_hyperparameters_from_keras  
from transformers.modelcard import extract_hyperparameters_from_trainer  
from transformers.modelcard import infer_metric_tags_from_eval_results  
from transformers.modelcard import is_datasets_available  
from transformers.modelcard import is_hf_dataset  
from transformers.modelcard import is_offline_mode  
from transformers.modelcard import is_tf_available  
from transformers.modelcard import is_tokenizers_available  
from transformers.modelcard import is_torch_available  
from transformers.modelcard import make_markdown_table  
from transformers.modelcard import model_info  
from transformers.modelcard import parse_keras_history  
from transformers.modelcard import parse_log_history
```

Sentinels / Constants / Objects

```
from transformers.modelcard import AUTOGENERATED_KERAS_COMMENT
```

```

from transformers.modelcard import AUTOGENERATED_TRAINER_COMMENT
from transformers.modelcard import logger
from transformers.modelcard import METRIC_TAGS
from transformers.modelcard import MODEL_CARD_NAME
from transformers.modelcard import MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_CAUSAL_LM_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_CTC_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_IMAGE_SEGMENTATION_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_IMAGE_TEXT_TO_TEXT_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_MASKED_LM_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_OBJECT_DETECTION_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_QUESTION_ANSWERING_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_TABLE_QUESTION_ANSWERING_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING_NAMES
from transformers.modelcard import MODEL_FOR_ZERO_SHOT_IMAGE_CLASSIFICATION_MAPPING_NAMES
from transformers.modelcard import Optional
from transformers.modelcard import TASK_MAPPING
from transformers.modelcard import TASK_TAG_TO_NAME_MAPPING
from transformers.modelcard import Union

```

transformers.modeling_attn_mask_utils

Classes

```

[
    AttentionMaskConverter
]

```

Functions

```

[
    dataclass,
    is_torchdynamo_compiling
]

```

Sentinels / Constants / Objects

```

[
    Optional,
    Union
]

```

Import statements

```

from transformers.modeling_attn_mask_utils import AttentionMaskConverter

# Functions
from transformers.modeling_attn_mask_utils import dataclass
from transformers.modeling_attn_mask_utils import is_torchdynamo_compiling

# Sentinels / Constants / Objects
from transformers.modeling_attn_mask_utils import Optional
from transformers.modeling_attn_mask_utils import Union

```

transformers.modeling_flash_attention_utils

Classes

```

[
    FlashAttentionKwargs,
    partial
]

```

Functions

```

[
    fa_peft_integration_check,
    flash_attn_supports_top_left_mask,
]

```

```

is_flash_attn_2_available,
is_flash_attn_available,
lazy_import_flash_attention,
prepare_fa_kwargs_from_position_ids,
TypedDict
]

```

Sentinels / Constants / Objects

```

[
    is_flash_attn_3_available,
    is_flash_attn_greater_or_equal_2_10,
    is_torch_npu_available,
    logger,
    Optional
]

```

Import statements

```

from transformers.modeling_flash_attention_utils import FlashAttentionKwargs
from transformers.modeling_flash_attention_utils import partial

```

Functions

```

from transformers.modeling_flash_attention_utils import fa_peft_integration_check
from transformers.modeling_flash_attention_utils import flash_attn_supports_top_left_mask
from transformers.modeling_flash_attention_utils import is_flash_attn_2_available
from transformers.modeling_flash_attention_utils import is_flash_attn_available
from transformers.modeling_flash_attention_utils import lazy_import_flash_attention
from transformers.modeling_flash_attention_utils import prepare_fa_kwargs_from_position_ids
from transformers.modeling_flash_attention_utils import TypedDict

```

Sentinels / Constants / Objects

```

from transformers.modeling_flash_attention_utils import is_flash_attn_3_available
from transformers.modeling_flash_attention_utils import is_flash_attn_greater_or_equal_2_10
from transformers.modeling_flash_attention_utils import is_torch_npu_available
from transformers.modeling_flash_attention_utils import logger
from transformers.modeling_flash_attention_utils import Optional

```

transformers.modeling_flax_outputs

Classes

```

[
    FlaxBaseModelOutput,
    FlaxBaseModelOutputWithNoAttention,
    FlaxBaseModelOutputWithPast,
    FlaxBaseModelOutputWithPastAndCrossAttentions,
    FlaxBaseModelOutputWithPooling,
    FlaxBaseModelOutputWithPoolingAndCrossAttentions,
    FlaxBaseModelOutputWithPoolingAndNoAttention,
    FlaxCausalLMOutput,
    FlaxCausalLMOutputWithCrossAttentions,
    FlaxImageClassifierOutputWithNoAttention,
    FlaxMaskedLMOutput,
    FlaxMultipleChoiceModelOutput,
    FlaxNextSentencePredictorOutput,
    FlaxQuestionAnsweringModelOutput,
    FlaxSeq2SeqLMOutput,
    FlaxSeq2SeqModelOutput,
    FlaxSeq2SeqQuestionAnsweringModelOutput,
    FlaxSeq2SeqSequenceClassifierOutput,
    FlaxSequenceClassifierOutput,
    FlaxTokenClassifierOutput,
    ModelOutput
]

```

Functions

```

[]

```

Sentinels / Constants / Objects

```
[
    Optional
]
```

Import statements

```
from transformers.modeling_flax_outputs import FlaxBaseModelOutput
from transformers.modeling_flax_outputs import FlaxBaseModelOutputWithNoAttention
from transformers.modeling_flax_outputs import FlaxBaseModelOutputWithPast
from transformers.modeling_flax_outputs import FlaxBaseModelOutputWithPastAndCrossAttentions
from transformers.modeling_flax_outputs import FlaxBaseModelOutputWithPooling
from transformers.modeling_flax_outputs import FlaxBaseModelOutputWithPoolingAndCrossAttentions
from transformers.modeling_flax_outputs import FlaxBaseModelOutputWithPoolingAndNoAttention
from transformers.modeling_flax_outputs import FlaxCausalLMOutput
from transformers.modeling_flax_outputs import FlaxCausalLMOutputWithCrossAttentions
from transformers.modeling_flax_outputs import FlaxImageClassifierOutputWithNoAttention
from transformers.modeling_flax_outputs import FlaxMaskedLMOutput
from transformers.modeling_flax_outputs import FlaxMultipleChoiceModelOutput
from transformers.modeling_flax_outputs import FlaxNextSentencePredictorOutput
from transformers.modeling_flax_outputs import FlaxQuestionAnsweringModelOutput
from transformers.modeling_flax_outputs import FlaxSeq2SeqLMOutput
from transformers.modeling_flax_outputs import FlaxSeq2SeqModelOutput
from transformers.modeling_flax_outputs import FlaxSeq2SeqQuestionAnsweringModelOutput
from transformers.modeling_flax_outputs import FlaxSeq2SeqSequenceClassifierOutput
from transformers.modeling_flax_outputs import FlaxSequenceClassifierOutput
from transformers.modeling_flax_outputs import FlaxTokenClassifierOutput
from transformers.modeling_flax_outputs import ModelOutput
```

```
# Functions
(none)
```

```
# Sentinels / Constants / Objects
from transformers.modeling_flax_outputs import Optional
```

[transformers.modeling_flax_pytorch_utils](#)

Classes

```
[
    safe_open,
    UnpicklingError
]
```

Functions

```
[
    check_torch_load_is_safe,
    convert_pytorch_sharded_state_dict_to_flax,
    convert_pytorch_state_dict_to_flax,
    flatten_dict,
    from_bytes,
    is_safetensors_available,
    is_torch_available,
    load_flax_checkpoint_in_pytorch_model,
    load_flax_weights_in_pytorch_model,
    load_pytorch_checkpoint_in_flax_state_dict,
    rename_key_and_reshape_tensor,
    safe_load_file,
    unflatten_dict
]
```

Sentinels / Constants / Objects

```
[
    logger
]
```

Import statements

```
from transformers.modeling_flax_pytorch_utils import safe_open
```

```

from transformers.modeling_flax_pytorch_utils import UnpicklingError

# Functions
from transformers.modeling_flax_pytorch_utils import check_torch_load_is_safe
from transformers.modeling_flax_pytorch_utils import convert_pytorch_sharded_state_dict_to_flax
from transformers.modeling_flax_pytorch_utils import convert_pytorch_state_dict_to_flax
from transformers.modeling_flax_pytorch_utils import flatten_dict
from transformers.modeling_flax_pytorch_utils import from_bytes
from transformers.modeling_flax_pytorch_utils import is_safetensors_available
from transformers.modeling_flax_pytorch_utils import is_torch_available
from transformers.modeling_flax_pytorch_utils import load_flax_checkpoint_in_pytorch_model
from transformers.modeling_flax_pytorch_utils import load_flax_weights_in_pytorch_model
from transformers.modeling_flax_pytorch_utils import load_pytorch_checkpoint_in_flax_state_dict
from transformers.modeling_flax_pytorch_utils import rename_key_and_reshape_tensor
from transformers.modeling_flax_pytorch_utils import safe_load_file
from transformers.modeling_flax_pytorch_utils import unflatten_dict

# Sentinels / Constants / Objects
from transformers.modeling_flax_pytorch_utils import logger

```

transformers.modeling_flax_utils

Classes

```

[
    Any,
    FlaxGenerationMixin,
    FlaxPreTrainedModel,
    FrozenDict,
    GenerationConfig,
    partial,
    PretrainedConfig,
    PushToHubMixin,
    safe_open,
    UnpicklingError
]

```

Functions

```

[
    add_code_sample_docstrings,
    add_start_docstrings_to_model_forward,
    append_call_sample_docstring,
    append_replace_return_docstrings,
    cached_file,
    convert_file_size_to_int,
    copy_func,
    custom_object_save,
    download_url,
    flatten_dict,
    flax_shard_checkpoint,
    from_bytes,
    get_checkpoint_shard_files,
    has_file,
    is_offline_mode,
    is_remote_url,
    is_safetensors_available,
    load_pytorch_checkpoint_in_flax_state_dict,
    overwrite_call_docstring,
    PRNGKey,
    quick_gelu,
    replace_return_docstrings,
    safe_load_file,
    safe_save_file,
    to_bytes,
]

```



```
unflatten_dict,  
unfreeze
```

```
]
```

Sentinels / Constants / Objects

```
[
```

```
    ACT2FN,  
    FLAX_WEIGHTS_INDEX_NAME,  
    FLAX_WEIGHTS_NAME,  
    logger,  
    Optional,  
    SAFE_WEIGHTS_INDEX_NAME,  
    SAFE_WEIGHTS_NAME,  
    Union,  
    WEIGHTS_INDEX_NAME,  
    WEIGHTS_NAME
```

```
]
```

Import statements

```
from transformers.modeling_flax_utils import Any  
from transformers.modeling_flax_utils import FlaxGenerationMixin  
from transformers.modeling_flax_utils import FlaxPreTrainedModel  
from transformers.modeling_flax_utils import FrozenDict  
from transformers.modeling_flax_utils import GenerationConfig  
from transformers.modeling_flax_utils import partial  
from transformers.modeling_flax_utils import PretrainedConfig  
from transformers.modeling_flax_utils import PushToHubMixin  
from transformers.modeling_flax_utils import safe_open  
from transformers.modeling_flax_utils import UnpicklingError
```

Functions

```
from transformers.modeling_flax_utils import add_code_sample_docstrings  
from transformers.modeling_flax_utils import add_start_docstrings_to_model_forward  
from transformers.modeling_flax_utils import append_call_sample_docstring  
from transformers.modeling_flax_utils import append_replace_return_docstrings  
from transformers.modeling_flax_utils import cached_file  
from transformers.modeling_flax_utils import convert_file_size_to_int  
from transformers.modeling_flax_utils import copy_func  
from transformers.modeling_flax_utils import custom_object_save  
from transformers.modeling_flax_utils import download_url  
from transformers.modeling_flax_utils import flatten_dict  
from transformers.modeling_flax_utils import flax_shard_checkpoint  
from transformers.modeling_flax_utils import from_bytes  
from transformers.modeling_flax_utils import get_checkpoint_shard_files  
from transformers.modeling_flax_utils import has_file  
from transformers.modeling_flax_utils import is_offline_mode  
from transformers.modeling_flax_utils import is_remote_url  
from transformers.modeling_flax_utils import is_safetensors_available  
from transformers.modeling_flax_utils import load_pytorch_checkpoint_in_flax_state_dict  
from transformers.modeling_flax_utils import overwrite_call_docstring  
from transformers.modeling_flax_utils import PRNGKey  
from transformers.modeling_flax_utils import quick_gelu  
from transformers.modeling_flax_utils import replace_return_docstrings  
from transformers.modeling_flax_utils import safe_load_file  
from transformers.modeling_flax_utils import safe_save_file  
from transformers.modeling_flax_utils import to_bytes  
from transformers.modeling_flax_utils import unflatten_dict  
from transformers.modeling_flax_utils import unfreeze
```

Sentinels / Constants / Objects

```
from transformers.modeling_flax_utils import ACT2FN  
from transformers.modeling_flax_utils import FLAX_WEIGHTS_INDEX_NAME  
from transformers.modeling_flax_utils import FLAX_WEIGHTS_NAME  
from transformers.modeling_flax_utils import logger
```

```

from transformers.modeling_flax_utils import Optional
from transformers.modeling_flax_utils import SAFE_WEIGHTS_INDEX_NAME
from transformers.modeling_flax_utils import SAFE_WEIGHTS_NAME
from transformers.modeling_flax_utils import Union
from transformers.modeling_flax_utils import WEIGHTS_INDEX_NAME
from transformers.modeling_flax_utils import WEIGHTS_NAME

```

transformers.modeling_gguf_pytorch_utils

Classes

```

[
    BloomTensorProcessor,
    Gemma2TensorProcessor,
    GGUFTensor,
    GPT2TensorProcessor,
    LlamaTensorProcessor,
    MambaTensorProcessor,
    NemotronTensorProcessor,
    Qwen2MoeTensorProcessor,
    T5TensorProcessor,
    TensorProcessor,
    tqdm
]

```

Functions

```

[
    get_gguf_hf_weights_map,
    get_logger,
    is_gguf_available,
    is_torch_available,
    load_gguf_checkpoint,
    NamedTuple,
    read_field
]

```

Sentinels / Constants / Objects

```

[
    GGUF_CONFIG_MAPPING,
    GGUF_SUPPORTED_ARCHITECTURES,
    GGUF_TO_TRANSFORMERS_MAPPING,
    GGUF_TOKENIZER_MAPPING,
    logger,
    Optional,
    TENSOR_PROCESSORS
]

```

Import statements

```

from transformers.modeling_gguf_pytorch_utils import BloomTensorProcessor
from transformers.modeling_gguf_pytorch_utils import Gemma2TensorProcessor
from transformers.modeling_gguf_pytorch_utils import GGUFTensor
from transformers.modeling_gguf_pytorch_utils import GPT2TensorProcessor
from transformers.modeling_gguf_pytorch_utils import LlamaTensorProcessor
from transformers.modeling_gguf_pytorch_utils import MambaTensorProcessor
from transformers.modeling_gguf_pytorch_utils import NemotronTensorProcessor
from transformers.modeling_gguf_pytorch_utils import Qwen2MoeTensorProcessor
from transformers.modeling_gguf_pytorch_utils import T5TensorProcessor
from transformers.modeling_gguf_pytorch_utils import TensorProcessor
from transformers.modeling_gguf_pytorch_utils import tqdm

```

Functions

```

from transformers.modeling_gguf_pytorch_utils import get_gguf_hf_weights_map
from transformers.modeling_gguf_pytorch_utils import get_logger
from transformers.modeling_gguf_pytorch_utils import is_gguf_available
from transformers.modeling_gguf_pytorch_utils import is_torch_available
from transformers.modeling_gguf_pytorch_utils import load_gguf_checkpoint

```

```

from transformers.modeling_gguf_pytorch_utils import NamedTuple
from transformers.modeling_gguf_pytorch_utils import read_field

# Sentinels / Constants / Objects
from transformers.modeling_gguf_pytorch_utils import GGUF_CONFIG_MAPPING
from transformers.modeling_gguf_pytorch_utils import GGUF_SUPPORTED_ARCHITECTURES
from transformers.modeling_gguf_pytorch_utils import GGUF_TO_TRANSFORMERS_MAPPING
from transformers.modeling_gguf_pytorch_utils import GGUF_TOKENIZER_MAPPING
from transformers.modeling_gguf_pytorch_utils import logger
from transformers.modeling_gguf_pytorch_utils import Optional
from transformers.modeling_gguf_pytorch_utils import TENSOR_PROCESSORS

```

transformers.modeling_layers

Classes

```

[
    AutoModel,
    BaseModelOutputWithPast,
    Cache,
    GenericForQuestionAnswering,
    GenericForSequenceClassification,
    GenericForTokenClassification,
    GradientCheckpointingLayer,
    partial,
    QuestionAnsweringModelOutput,
    SequenceClassifierOutputWithPast,
    TokenClassifierOutput,
    TransformersKwargs
]

```

Functions

```

[
    auto_docstring,
    can_return_tuple
]

```

Sentinels / Constants / Objects

```

[
    logger,
    Optional,
    Unpack
]

```

Import statements

```

from transformers.modeling_layers import AutoModel
from transformers.modeling_layers import BaseModelOutputWithPast
from transformers.modeling_layers import Cache
from transformers.modeling_layers import GenericForQuestionAnswering
from transformers.modeling_layers import GenericForSequenceClassification
from transformers.modeling_layers import GenericForTokenClassification
from transformers.modeling_layers import GradientCheckpointingLayer
from transformers.modeling_layers import partial
from transformers.modeling_layers import QuestionAnsweringModelOutput
from transformers.modeling_layers import SequenceClassifierOutputWithPast
from transformers.modeling_layers import TokenClassifierOutput
from transformers.modeling_layers import TransformersKwargs

```

Functions

```

from transformers.modeling_layers import auto_docstring
from transformers.modeling_layers import can_return_tuple

```

Sentinels / Constants / Objects

```

from transformers.modeling_layers import logger
from transformers.modeling_layers import Optional
from transformers.modeling_layers import Unpack

```

transformers.modeling_outputs

Classes

```
[
    BackboneOutput,
    BaseModelOutput,
    BaseModelOutputWithCrossAttentions,
    BaseModelOutputWithNoAttention,
    BaseModelOutputWithPast,
    BaseModelOutputWithPastAndCrossAttentions,
    BaseModelOutputWithPooling,
    BaseModelOutputWithPoolingAndCrossAttentions,
    BaseModelOutputWithPoolingAndNoAttention,
    BaseModelOutputWithPoolingAndProjection,
    Cache,
    CausalLMOutput,
    CausalLMOutputWithCrossAttentions,
    CausalLMOutputWithPast,
    DepthEstimatorOutput,
    EncoderDecoderCache,
    ImageClassifierOutput,
    ImageClassifierOutputWithNoAttention,
    ImageSuperResolutionOutput,
    MaskedImageModelingOutput,
    MaskedLMOutput,
    ModelOutput,
    MoECausalLMOutputWithPast,
    MoeCausalLMOutputWithPast,
    MoEModelOutput,
    MoeModelOutputWithPast,
    MoeModelOutputWithPastAndCrossAttentions,
    MultipleChoiceModelOutput,
    NextSentencePredictorOutput,
    QuestionAnsweringModelOutput,
    SampleTSPredictionOutput,
    SemanticSegmenterOutput,
    Seq2SeqLMOutput,
    Seq2SeqModelOutput,
    Seq2SeqMoEModelOutput,
    Seq2SeqMoEOutput,
    Seq2SeqQuestionAnsweringModelOutput,
    Seq2SeqSequenceClassifierOutput,
    Seq2SeqSpectrogramOutput,
    Seq2SeqTSMOutput,
    Seq2SeqTSPredictionOutput,
    SequenceClassifierOutput,
    SequenceClassifierOutputWithPast,
    TokenClassifierOutput,
    Wav2Vec2BaseModelOutput,
    XVectorOutput
]
```

Functions

```
[
    dataclass
]
```

Sentinels / Constants / Objects

```
[
    Optional
]
```

Import statements

```
from transformers.modeling_outputs import BackboneOutput
```

```

from transformers.modeling_outputs import BaseModelOutput
from transformers.modeling_outputs import BaseModelOutputWithCrossAttentions
from transformers.modeling_outputs import BaseModelOutputWithNoAttention
from transformers.modeling_outputs import BaseModelOutputWithPast
from transformers.modeling_outputs import BaseModelOutputWithPastAndCrossAttentions
from transformers.modeling_outputs import BaseModelOutputWithPooling
from transformers.modeling_outputs import BaseModelOutputWithPoolingAndCrossAttentions
from transformers.modeling_outputs import BaseModelOutputWithPoolingAndNoAttention
from transformers.modeling_outputs import BaseModelOutputWithPoolingAndProjection
from transformers.modeling_outputs import Cache
from transformers.modeling_outputs import CausalLMOutput
from transformers.modeling_outputs import CausalLMOutputWithCrossAttentions
from transformers.modeling_outputs import CausalLMOutputWithPast
from transformers.modeling_outputs import DepthEstimatorOutput
from transformers.modeling_outputs import EncoderDecoderCache
from transformers.modeling_outputs import ImageClassifierOutput
from transformers.modeling_outputs import ImageClassifierOutputWithNoAttention
from transformers.modeling_outputs import ImageSuperResolutionOutput
from transformers.modeling_outputs import MaskedImageModelingOutput
from transformers.modeling_outputs import MaskedLMOutput
from transformers.modeling_outputs import ModelOutput
from transformers.modeling_outputs import MoECausalLMOutputWithPast
from transformers.modeling_outputs import MoeCausalLMOutputWithPast
from transformers.modeling_outputs import MoEModelOutput
from transformers.modeling_outputs import MoeModelOutputWithPast
from transformers.modeling_outputs import MoEModelOutputWithPastAndCrossAttentions
from transformers.modeling_outputs import MultipleChoiceModelOutput
from transformers.modeling_outputs import NextSentencePredictorOutput
from transformers.modeling_outputs import QuestionAnsweringModelOutput
from transformers.modeling_outputs import SampleTSPredictionOutput
from transformers.modeling_outputs import SemanticSegmenterOutput
from transformers.modeling_outputs import Seq2SeqLMOutput
from transformers.modeling_outputs import Seq2SeqModelOutput
from transformers.modeling_outputs import Seq2SeqMoEModelOutput
from transformers.modeling_outputs import Seq2SeqMoEOutput
from transformers.modeling_outputs import Seq2SeqQuestionAnsweringModelOutput
from transformers.modeling_outputs import Seq2SeqSequenceClassifierOutput
from transformers.modeling_outputs import Seq2SeqSpectrogramOutput
from transformers.modeling_outputs import Seq2SeqTSMOutput
from transformers.modeling_outputs import Seq2SeqTSPredictionOutput
from transformers.modeling_outputs import SequenceClassifierOutput
from transformers.modeling_outputs import SequenceClassifierOutputWithPast
from transformers.modeling_outputs import TokenClassifierOutput
from transformers.modeling_outputs import Wav2Vec2BaseModelOutput
from transformers.modeling_outputs import XVectorOutput

# Functions
from transformers.modeling_outputs import dataclass

# Sentinels / Constants / Objects
from transformers.modeling_outputs import Optional

```

transformers.modeling_rope_utils

Classes

```

[
    PretrainedConfig
]

```

Functions

```

[
    dynamic_rope_update,
    is_torch_available,
]

```

```

    rope_config_validation,
    wraps
]
Sentinels / Constants / Objects
[
    logger,
    Optional,
    ROPE_INIT_FUNCTIONS,
    ROPE_VALIDATION_FUNCTIONS
]
Import statements
from transformers.modeling_rope_utils import PretrainedConfig

# Functions
from transformers.modeling_rope_utils import dynamic_rope_update
from transformers.modeling_rope_utils import is_torch_available
from transformers.modeling_rope_utils import rope_config_validation
from transformers.modeling_rope_utils import wraps

# Sentinels / Constants / Objects
from transformers.modeling_rope_utils import logger
from transformers.modeling_rope_utils import Optional
from transformers.modeling_rope_utils import ROPE_INIT_FUNCTIONS
from transformers.modeling_rope_utils import ROPE_VALIDATION_FUNCTIONS

```

transformers.modeling_tf_outputs

Classes

```

[
    ModelOutput,
    TFBaseModelOutput,
    TFBaseModelOutputWithCrossAttentions,
    TFBaseModelOutputWithNoAttention,
    TFBaseModelOutputWithPast,
    TFBaseModelOutputWithPastAndCrossAttentions,
    TFBaseModelOutputWithPooling,
    TFBaseModelOutputWithPoolingAndCrossAttentions,
    TFBaseModelOutputWithPoolingAndNoAttention,
    TFCausalLMOutput,
    TFCausalLMOutputWithCrossAttentions,
    TFCausalLMOutputWithPast,
    TFImageClassifierOutput,
    TFImageClassifierOutputWithNoAttention,
    TFMaskedImageModelingOutput,
    TFMaskedLMOutput,
    TFMultipleChoiceModelOutput,
    TFNextSentencePredictorOutput,
    TFQuestionAnsweringModelOutput,
    TFSemanticSegmenterOutput,
    TFSemanticSegmenterOutputWithNoAttention,
    TFSeq2SeqLMOutput,
    TFSeq2SeqModelOutput,
    TFSeq2SeqQuestionAnsweringModelOutput,
    TFSeq2SeqSequenceClassifierOutput,
    TFSequenceClassifierOutput,
    TFSequenceClassifierOutputWithPast,
    TFTokenClassifierOutput
]

```

Functions

```

[
    dataclass
]

```

Sentinels / Constants / Objects

```
[
    annotations
]
Import statements
from transformers.modeling_tf_outputs import ModelOutput
from transformers.modeling_tf_outputs import TFBaseModelOutput
from transformers.modeling_tf_outputs import TFBaseModelOutputWithCrossAttentions
from transformers.modeling_tf_outputs import TFBaseModelOutputWithNoAttention
from transformers.modeling_tf_outputs import TFBaseModelOutputWithPast
from transformers.modeling_tf_outputs import TFBaseModelOutputWithPastAndCrossAttentions
from transformers.modeling_tf_outputs import TFBaseModelOutputWithPooling
from transformers.modeling_tf_outputs import TFBaseModelOutputWithPoolingAndCrossAttentions
from transformers.modeling_tf_outputs import TFBaseModelOutputWithPoolingAndNoAttention
from transformers.modeling_tf_outputs import TFCausalLMOutput
from transformers.modeling_tf_outputs import TFCausalLMOutputWithCrossAttentions
from transformers.modeling_tf_outputs import TFCausalLMOutputWithPast
from transformers.modeling_tf_outputs import TFImageClassifierOutput
from transformers.modeling_tf_outputs import TFImageClassifierOutputWithNoAttention
from transformers.modeling_tf_outputs import TFMaskedImageModelingOutput
from transformers.modeling_tf_outputs import TFMaskedLMOutput
from transformers.modeling_tf_outputs import TFMultipleChoiceModelOutput
from transformers.modeling_tf_outputs import TFNextSentencePredictorOutput
from transformers.modeling_tf_outputs import TFQuestionAnsweringModelOutput
from transformers.modeling_tf_outputs import TFSemanticSegmenterOutput
from transformers.modeling_tf_outputs import TFSemanticSegmenterOutputWithNoAttention
from transformers.modeling_tf_outputs import TFSeq2SeqLMOutput
from transformers.modeling_tf_outputs import TFSeq2SeqModelOutput
from transformers.modeling_tf_outputs import TFSeq2SeqQuestionAnsweringModelOutput
from transformers.modeling_tf_outputs import TFSeq2SeqSequenceClassifierOutput
from transformers.modeling_tf_outputs import TFSequenceClassifierOutput
from transformers.modeling_tf_outputs import TFSequenceClassifierOutputWithPast
from transformers.modeling_tf_outputs import TFTokenClassifierOutput

# Functions
from transformers.modeling_tf_outputs import dataclass

# Sentinels / Constants / Objects
from transformers.modeling_tf_outputs import annotations
```

[transformers.modeling_tf_pytorch_utils](#)

Classes

```
[
    ExplicitEnum,
    safe_open,
    TransposeType
]
```

Functions

```
[
    apply_transpose,
    check_torch_load_is_safe,
    convert_tf_weight_name_to_pt_weight_name,
    expand_dims,
    is_numpy_array,
    is_safetensors_available,
    is_torch_tensor,
    load_pytorch_checkpoint_in_tf2_model,
    load_pytorch_model_in_tf2_model,
    load_pytorch_state_dict_in_tf2_model,
    load_pytorch_weights_in_tf2_model,
    load_sharded_pytorch_safetensors_in_tf2_model,
```

```

load_tf2_checkpoint_in_pytorch_model,
load_tf2_model_in_pytorch_model,
load_tf2_state_dict_in_pytorch_model,
load_tf2_weights_in_pytorch_model,
reshape,
squeeze,
tensor_size,
transpose_func
]

```

Sentinels / Constants / Objects

```

[
    logger
]

```

Import statements

```

from transformers.modeling_tf_pytorch_utils import ExplicitEnum
from transformers.modeling_tf_pytorch_utils import safe_open
from transformers.modeling_tf_pytorch_utils import TransposeType

```

Functions

```

from transformers.modeling_tf_pytorch_utils import apply_transpose
from transformers.modeling_tf_pytorch_utils import check_torch_load_is_safe
from transformers.modeling_tf_pytorch_utils import convert_tf_weight_name_to_pt_weight_name
from transformers.modeling_tf_pytorch_utils import expand_dims
from transformers.modeling_tf_pytorch_utils import is_numpy_array
from transformers.modeling_tf_pytorch_utils import is_safetensors_available
from transformers.modeling_tf_pytorch_utils import is_torch_tensor
from transformers.modeling_tf_pytorch_utils import load_pytorch_checkpoint_in_tf2_model
from transformers.modeling_tf_pytorch_utils import load_pytorch_model_in_tf2_model
from transformers.modeling_tf_pytorch_utils import load_pytorch_state_dict_in_tf2_model
from transformers.modeling_tf_pytorch_utils import load_pytorch_weights_in_tf2_model
from transformers.modeling_tf_pytorch_utils import load_sharded_pytorch_safetensors_in_tf2_model
from transformers.modeling_tf_pytorch_utils import load_tf2_checkpoint_in_pytorch_model
from transformers.modeling_tf_pytorch_utils import load_tf2_model_in_pytorch_model
from transformers.modeling_tf_pytorch_utils import load_tf2_state_dict_in_pytorch_model
from transformers.modeling_tf_pytorch_utils import load_tf2_weights_in_pytorch_model
from transformers.modeling_tf_pytorch_utils import reshape
from transformers.modeling_tf_pytorch_utils import squeeze
from transformers.modeling_tf_pytorch_utils import tensor_size
from transformers.modeling_tf_pytorch_utils import transpose_func

```

Sentinels / Constants / Objects

```

from transformers.modeling_tf_pytorch_utils import logger

```

[transformers.modeling_tf_utils](#)

Classes

```

[
    Any,
    DataCollatorWithPadding,
    DefaultDataCollator,
    GenerationConfig,
    Mapping,
    ModelOutput,
    Path,
    PretrainedConfig,
    PushToHubMixin,
    safe_open,
    TFCausalLanguageModelingLoss,
    TFConv1D,
    TFGenerationMixin,
    TFMaskedLanguageModelingLoss,
    TFModelUtilsMixin,

```



```

TFMultipleChoiceLoss,
TFNextSentencePredictionLoss,
TFPreTrainedModel,
TFQuestionAnsweringLoss,
TFSequenceClassificationLoss,
TFSequenceSummary,
TFSharedEmbeddings,
TFTokenClassificationLoss

```

```
]
```

Functions

```
[
```

```

booleans_processing,
cached_file,
convert_batch_encoding,
convert_file_size_to_int,
custom_object_save,
download_url,
dummy_loss,
expand_ld,
find_labels,
get_checkpoint_shard_files,
get_initializer,
get_tf_activation,
has_file,
init_copy_embeddings,
input_processing,
is_offline_mode,
is_remote_url,
is_safetensors_available,
is_tf_symbolic_tensor,
keras_serializable,
load_attributes_from_hdf5_group,
load_tf_shard,
load_tf_sharded_weights,
load_tf_sharded_weights_from_safetensors,
load_tf_weights,
load_tf_weights_from_h5,
load_tf_weights_from_safetensors,
parse,
requires_backends,
safe_save_file,
save_attributes_to_hdf5_group,
shape_list,
strip_model_name_and_prefix,
tf_shard_checkpoint,
unpack_inputs,
working_or_temp_dir

```

```
]
```

Sentinels / Constants / Objects

```
[
```

```

annotations,
Callable,
logger,
SAFE_WEIGHTS_INDEX_NAME,
SAFE_WEIGHTS_NAME,
TF2_WEIGHTS_INDEX_NAME,
TF2_WEIGHTS_NAME,
tf_logger,
TF_WEIGHTS_NAME,
TFModelInputType,
TYPE_CHECKING,
Union,

```

```
WEIGHTS_INDEX_NAME,  
WEIGHTS_NAME  
]
```

Import statements

```
from transformers.modeling_tf_utils import Any  
from transformers.modeling_tf_utils import DataCollatorWithPadding  
from transformers.modeling_tf_utils import DefaultDataCollator  
from transformers.modeling_tf_utils import GenerationConfig  
from transformers.modeling_tf_utils import Mapping  
from transformers.modeling_tf_utils import ModelOutput  
from transformers.modeling_tf_utils import Path  
from transformers.modeling_tf_utils import PretrainedConfig  
from transformers.modeling_tf_utils import PushToHubMixin  
from transformers.modeling_tf_utils import safe_open  
from transformers.modeling_tf_utils import TFCausalLanguageModelingLoss  
from transformers.modeling_tf_utils import TFConv1D  
from transformers.modeling_tf_utils import TFGenerationMixin  
from transformers.modeling_tf_utils import TFMaskedLanguageModelingLoss  
from transformers.modeling_tf_utils import TFModelUtilsMixin  
from transformers.modeling_tf_utils import TFMultipleChoiceLoss  
from transformers.modeling_tf_utils import TFNextSentencePredictionLoss  
from transformers.modeling_tf_utils import TFPreTrainedModel  
from transformers.modeling_tf_utils import TFQuestionAnsweringLoss  
from transformers.modeling_tf_utils import TFSequenceClassificationLoss  
from transformers.modeling_tf_utils import TFSequenceSummary  
from transformers.modeling_tf_utils import TFSharedEmbeddings  
from transformers.modeling_tf_utils import TFTokenClassificationLoss
```

Functions

```
from transformers.modeling_tf_utils import booleans_processing  
from transformers.modeling_tf_utils import cached_file  
from transformers.modeling_tf_utils import convert_batch_encoding  
from transformers.modeling_tf_utils import convert_file_size_to_int  
from transformers.modeling_tf_utils import custom_object_save  
from transformers.modeling_tf_utils import download_url  
from transformers.modeling_tf_utils import dummy_loss  
from transformers.modeling_tf_utils import expand_ld  
from transformers.modeling_tf_utils import find_labels  
from transformers.modeling_tf_utils import get_checkpoint_shard_files  
from transformers.modeling_tf_utils import get_initializer  
from transformers.modeling_tf_utils import get_tf_activation  
from transformers.modeling_tf_utils import has_file  
from transformers.modeling_tf_utils import init_copy_embeddings  
from transformers.modeling_tf_utils import input_processing  
from transformers.modeling_tf_utils import is_offline_mode  
from transformers.modeling_tf_utils import is_remote_url  
from transformers.modeling_tf_utils import is_safetensors_available  
from transformers.modeling_tf_utils import is_tf_symbolic_tensor  
from transformers.modeling_tf_utils import keras_serializable  
from transformers.modeling_tf_utils import load_attributes_from_hdf5_group  
from transformers.modeling_tf_utils import load_tf_shard  
from transformers.modeling_tf_utils import load_tf_sharded_weights  
from transformers.modeling_tf_utils import load_tf_sharded_weights_from_safetensors  
from transformers.modeling_tf_utils import load_tf_weights  
from transformers.modeling_tf_utils import load_tf_weights_from_h5  
from transformers.modeling_tf_utils import load_tf_weights_from_safetensors  
from transformers.modeling_tf_utils import parse  
from transformers.modeling_tf_utils import requires_backends  
from transformers.modeling_tf_utils import safe_save_file  
from transformers.modeling_tf_utils import save_attributes_to_hdf5_group  
from transformers.modeling_tf_utils import shape_list  
from transformers.modeling_tf_utils import strip_model_name_and_prefix
```

```

from transformers.modeling_tf_utils import tf_shard_checkpoint
from transformers.modeling_tf_utils import unpack_inputs
from transformers.modeling_tf_utils import working_or_temp_dir

# Sentinels / Constants / Objects
from transformers.modeling_tf_utils import annotations
from transformers.modeling_tf_utils import Callable
from transformers.modeling_tf_utils import logger
from transformers.modeling_tf_utils import SAFE_WEIGHTS_INDEX_NAME
from transformers.modeling_tf_utils import SAFE_WEIGHTS_NAME
from transformers.modeling_tf_utils import TF2_WEIGHTS_INDEX_NAME
from transformers.modeling_tf_utils import TF2_WEIGHTS_NAME
from transformers.modeling_tf_utils import tf_logger
from transformers.modeling_tf_utils import TF_WEIGHTS_NAME
from transformers.modeling_tf_utils import TFModelInputType
from transformers.modeling_tf_utils import TYPE_CHECKING
from transformers.modeling_tf_utils import Union
from transformers.modeling_tf_utils import WEIGHTS_INDEX_NAME
from transformers.modeling_tf_utils import WEIGHTS_NAME

```

transformers.modeling_utils

Classes

```

[
    Any,
    AttentionInterface,
    AutoHfQuantizer,
    BitsAndBytesConfig,
    CompileConfig,
    ContextManagers,
    Conv1D,
    defaultdict,
    DistributedConfig,
    DTensor,
    EmbeddingAccessMixin,
    Enum,
    GeneralInterface,
    GenerationConfig,
    HfQuantizer,
    Int4WeightOnlyConfig,
    ModuleUtilsMixin,
    OutputRecorder,
    partial,
    PeftAdapterMixin,
    PipelineParallel,
    PreTrainedAudioTokenizerBase,
    PretrainedConfig,
    PreTrainedModel,
    PushToHubMixin,
    QuantizationMethod,
    safe_open,
    Tensor,
    Thread,
    ThreadPoolExecutor,
    TypeVar
]

```

Functions

```

[
    abstractmethod,
    add_hook_to_module,
    apply_chunking_to_forward,
    as_completed,

```

auto_conversion,
cached_file,
caching_allocator_warmup,
check_tied_parameters_on_same_device,
check_torch_load_is_safe,
checkpoint,
contextmanager,
copy_func,
create_and_tag_model_card,
custom_object_save,
deepspeed_config,
dispatch_model,
distribute_model,
download_url,
eager_paged_attention_forward,
expand_device_map,
extract_commit_hash,
extract_model_from_parallel,
find_adapter_config_file,
find_pruneable_heads_and_indices,
find_tied_parameters,
flash_attention_forward,
flex_attention_forward,
get_balanced_memory,
get_checkpoint_shard_files,
get_disk_only_shard_files,
get_max_memory,
get_module_from_name,
get_parameter_device,
get_parameter_dtype,
get_state_dict_dtype,
get_state_dict_from_offload,
get_torch_context_manager_or_global_device,
get_type_hints,
has_file,
id_tensor_storage,
infer_auto_device_map,
init_empty_weights,
initialize_tensor_parallelism,
is_accelerate_available,
is_accelerator_device,
is_deepspeed_zero3_enabled,
is_flash_attn_2_available,
is_fsdp_enabled,
is_kernels_available,
is_local_dist_rank_0,
is_offline_mode,
is_optimum_available,
is_peft_available,
is_remote_url,
is_safetensors_available,
is_sagemaker_mp_enabled,
is_torch_flex_attn_available,
is_torch_fx_proxy,
is_torch_sdpa_available,
is_torchao_available,
is_torchdynamo_compiling,
is_zipfile,
lazy_import_flash_attention,
load_offloaded_weights,
load_shard_file,
load_shard_files_with_threadpool,

- load_sharded_checkpoint,
- load_state_dict,
- no_init_weights,
- offload_weight,
- paged_attention_forward,
- prune_conv1d_layer,
- prune_layer,
- prune_linear_layer,
- repack_weights,
- replace_state_dict_local_with_dtensor,
- restore_default_torch_dtype,
- safe_load_file,
- safe_save_file,
- save_offload_index,
- sdpa_attention_forward,
- sdpa_attention_paged_forward,
- set_initialized_submodules,
- set_quantized_state,
- set_zero3_state,
- shard_and_distribute_module,
- split_torch_state_dict_into_shards,
- strtobool,
- unwrap_model,
- verify_tp_plan,
- wraps

]

Sentinels / Constants / Objects

[

- accelerate_version,
- ADAPTER_SAFE_WEIGHTS_NAME,
- ADAPTER_WEIGHTS_NAME,
- ALL_ATTENTION_FUNCTIONS,
- ALL_MASK_ATTENTION_FUNCTIONS,
- Callable,
- CONFIG_NAME,
- DUMMY_INPUTS,
- ENV_VARS_TRUE_VALUES,
- FLAX_WEIGHTS_NAME,
- is_bitsandbytes_available,
- is_flash_attn_3_available,
- is_huggingface_hub_greater_or_equal,
- IS_SAGEMAKER_MP_POST_1_10,
- is_torch_greater_or_equal,
- is_torch_mlu_available,
- is_torch_npu_available,
- is_torch_xla_available,
- is_torch_xpu_available,
- logger,
- LOSS_MAPPING,
- Optional,
- SAFE_WEIGHTS_INDEX_NAME,
- SAFE_WEIGHTS_NAME,
- SpecificPreTrainedModelType,
- str_to_torch_dtype,
- TF2_WEIGHTS_NAME,
- TF_WEIGHTS_NAME,
- TORCH_INIT_FUNCTIONS,
- Union,
- VLMS,
- WEIGHTS_INDEX_NAME,
- WEIGHTS_NAME,
- XLA_DOWNCAST_BF16,

XLA_USE_BF16

]

Import statements

```
from transformers.modeling_utils import Any
from transformers.modeling_utils import AttentionInterface
from transformers.modeling_utils import AutoHfQuantizer
from transformers.modeling_utils import BitsAndBytesConfig
from transformers.modeling_utils import CompileConfig
from transformers.modeling_utils import ContextManagers
from transformers.modeling_utils import Conv1D
from transformers.modeling_utils import defaultdict
from transformers.modeling_utils import DistributedConfig
from transformers.modeling_utils import DTensor
from transformers.modeling_utils import EmbeddingAccessMixin
from transformers.modeling_utils import Enum
from transformers.modeling_utils import GeneralInterface
from transformers.modeling_utils import GenerationConfig
from transformers.modeling_utils import HfQuantizer
from transformers.modeling_utils import Int4WeightOnlyConfig
from transformers.modeling_utils import ModuleUtilsMixin
from transformers.modeling_utils import OutputRecorder
from transformers.modeling_utils import partial
from transformers.modeling_utils import PeftAdapterMixin
from transformers.modeling_utils import PipelineParallel
from transformers.modeling_utils import PreTrainedAudioTokenizerBase
from transformers.modeling_utils import PretrainedConfig
from transformers.modeling_utils import PreTrainedModel
from transformers.modeling_utils import PushToHubMixin
from transformers.modeling_utils import QuantizationMethod
from transformers.modeling_utils import safe_open
from transformers.modeling_utils import Tensor
from transformers.modeling_utils import Thread
from transformers.modeling_utils import ThreadPoolExecutor
from transformers.modeling_utils import TypeVar

# Functions
from transformers.modeling_utils import abstractmethod
from transformers.modeling_utils import add_hook_to_module
from transformers.modeling_utils import apply_chunking_to_forward
from transformers.modeling_utils import as_completed
from transformers.modeling_utils import auto_conversion
from transformers.modeling_utils import cached_file
from transformers.modeling_utils import caching_allocator_warmup
from transformers.modeling_utils import check_tied_parameters_on_same_device
from transformers.modeling_utils import check_torch_load_is_safe
from transformers.modeling_utils import checkpoint
from transformers.modeling_utils import contextmanager
from transformers.modeling_utils import copy_func
from transformers.modeling_utils import create_and_tag_model_card
from transformers.modeling_utils import custom_object_save
from transformers.modeling_utils import deepspeed_config
from transformers.modeling_utils import dispatch_model
from transformers.modeling_utils import distribute_model
from transformers.modeling_utils import download_url
from transformers.modeling_utils import eager_paged_attention_forward
from transformers.modeling_utils import expand_device_map
from transformers.modeling_utils import extract_commit_hash
from transformers.modeling_utils import extract_model_from_parallel
from transformers.modeling_utils import find_adapter_config_file
from transformers.modeling_utils import find_pruneable_heads_and_indices
from transformers.modeling_utils import find_tied_parameters
from transformers.modeling_utils import flash_attention_forward
```

```
from transformers.modeling_utils import flex_attention_forward
from transformers.modeling_utils import get_balanced_memory
from transformers.modeling_utils import get_checkpoint_shard_files
from transformers.modeling_utils import get_disk_only_shard_files
from transformers.modeling_utils import get_max_memory
from transformers.modeling_utils import get_module_from_name
from transformers.modeling_utils import get_parameter_device
from transformers.modeling_utils import get_parameter_dtype
from transformers.modeling_utils import get_state_dict_dtype
from transformers.modeling_utils import get_state_dict_from_offload
from transformers.modeling_utils import get_torch_context_manager_or_global_device
from transformers.modeling_utils import get_type_hints
from transformers.modeling_utils import has_file
from transformers.modeling_utils import id_tensor_storage
from transformers.modeling_utils import infer_auto_device_map
from transformers.modeling_utils import init_empty_weights
from transformers.modeling_utils import initialize_tensor_parallelism
from transformers.modeling_utils import is_accelerate_available
from transformers.modeling_utils import is_accelerator_device
from transformers.modeling_utils import is_deepspeed_zero3_enabled
from transformers.modeling_utils import is_flash_attn_2_available
from transformers.modeling_utils import is_fsdp_enabled
from transformers.modeling_utils import is_kernels_available
from transformers.modeling_utils import is_local_dist_rank_0
from transformers.modeling_utils import is_offline_mode
from transformers.modeling_utils import is_optimum_available
from transformers.modeling_utils import is_peft_available
from transformers.modeling_utils import is_remote_url
from transformers.modeling_utils import is_safetensors_available
from transformers.modeling_utils import is_sagemaker_mp_enabled
from transformers.modeling_utils import is_torch_flex_attn_available
from transformers.modeling_utils import is_torch_fx_proxy
from transformers.modeling_utils import is_torch_sdpa_available
from transformers.modeling_utils import is_torchao_available
from transformers.modeling_utils import is_torchdynamo_compiling
from transformers.modeling_utils import is_zipfile
from transformers.modeling_utils import lazy_import_flash_attention
from transformers.modeling_utils import load_offloaded_weights
from transformers.modeling_utils import load_shard_file
from transformers.modeling_utils import load_shard_files_with_threadpool
from transformers.modeling_utils import load_sharded_checkpoint
from transformers.modeling_utils import load_state_dict
from transformers.modeling_utils import no_init_weights
from transformers.modeling_utils import offload_weight
from transformers.modeling_utils import paged_attention_forward
from transformers.modeling_utils import prune_conv1d_layer
from transformers.modeling_utils import prune_layer
from transformers.modeling_utils import prune_linear_layer
from transformers.modeling_utils import repack_weights
from transformers.modeling_utils import replace_state_dict_local_with_dtensor
from transformers.modeling_utils import restore_default_torch_dtype
from transformers.modeling_utils import safe_load_file
from transformers.modeling_utils import safe_save_file
from transformers.modeling_utils import save_offload_index
from transformers.modeling_utils import sdpa_attention_forward
from transformers.modeling_utils import sdpa_attention_paged_forward
from transformers.modeling_utils import set_initialized_submodules
from transformers.modeling_utils import set_quantized_state
from transformers.modeling_utils import set_zero3_state
from transformers.modeling_utils import shard_and_distribute_module
from transformers.modeling_utils import split_torch_state_dict_into_shards
from transformers.modeling_utils import strtobool
```

```

from transformers.modeling_utils import unwrap_model
from transformers.modeling_utils import verify_tp_plan
from transformers.modeling_utils import wraps

# Sentinels / Constants / Objects
from transformers.modeling_utils import accelerate_version
from transformers.modeling_utils import ADAPTER_SAFE_WEIGHTS_NAME
from transformers.modeling_utils import ADAPTER_WEIGHTS_NAME
from transformers.modeling_utils import ALL_ATTENTION_FUNCTIONS
from transformers.modeling_utils import ALL_MASK_ATTENTION_FUNCTIONS
from transformers.modeling_utils import Callable
from transformers.modeling_utils import CONFIG_NAME
from transformers.modeling_utils import DUMMY_INPUTS
from transformers.modeling_utils import ENV_VARS_TRUE_VALUES
from transformers.modeling_utils import FLAX_WEIGHTS_NAME
from transformers.modeling_utils import is_bitsandbytes_available
from transformers.modeling_utils import is_flash_attn_3_available
from transformers.modeling_utils import is_huggingface_hub_greater_or_equal
from transformers.modeling_utils import IS_SAGEMAKER_MP_POST_1_10
from transformers.modeling_utils import is_torch_greater_or_equal
from transformers.modeling_utils import is_torch_mlu_available
from transformers.modeling_utils import is_torch_npu_available
from transformers.modeling_utils import is_torch_xla_available
from transformers.modeling_utils import is_torch_xpu_available
from transformers.modeling_utils import logger
from transformers.modeling_utils import LOSS_MAPPING
from transformers.modeling_utils import Optional
from transformers.modeling_utils import SAFE_WEIGHTS_INDEX_NAME
from transformers.modeling_utils import SAFE_WEIGHTS_NAME
from transformers.modeling_utils import SpecificPreTrainedModelType
from transformers.modeling_utils import str_to_torch_dtype
from transformers.modeling_utils import TF2_WEIGHTS_NAME
from transformers.modeling_utils import TF_WEIGHTS_NAME
from transformers.modeling_utils import TORCH_INIT_FUNCTIONS
from transformers.modeling_utils import Union
from transformers.modeling_utils import VLMS
from transformers.modeling_utils import WEIGHTS_INDEX_NAME
from transformers.modeling_utils import WEIGHTS_NAME
from transformers.modeling_utils import XLA_DOWNCAST_BF16
from transformers.modeling_utils import XLA_USE_BF16

```

transformers.models

Classes

```

[
    AdaptiveEmbedding,
    Aimv2Config,
    Aimv2Model,
    Aimv2PreTrainedModel,
    Aimv2TextConfig,
    Aimv2TextModel,
    Aimv2VisionConfig,
    Aimv2VisionModel,
    AlbertConfig,
    AlbertForMaskedLM,
    AlbertForMultipleChoice,
    AlbertForPreTraining,
    AlbertForQuestionAnswering,
    AlbertForSequenceClassification,
    AlbertForTokenClassification,
    AlbertModel,
    AlbertOnnxConfig,

```


AlbertPreTrainedModel,
AlbertTokenizer,
AlbertTokenizerFast,
AlignConfig,
AlignModel,
AlignPreTrainedModel,
AlignProcessor,
AlignTextConfig,
AlignTextModel,
AlignVisionConfig,
AlignVisionModel,
AltCLIPConfig,
AltCLIPModel,
AltCLIPPreTrainedModel,
AltCLIPProcessor,
AltCLIPTextConfig,
AltCLIPTextModel,
AltCLIPVisionConfig,
AltCLIPVisionModel,
ArceeConfig,
ArceeForCausalLM,
ArceeForQuestionAnswering,
ArceeForSequenceClassification,
ArceeForTokenClassification,
ArceeModel,
ArceePreTrainedModel,
AriaConfig,
AriaForConditionalGeneration,
AriaImageProcessor,
AriaModel,
AriaPreTrainedModel,
AriaProcessor,
AriaTextConfig,
AriaTextForCausalLM,
AriaTextModel,
AriaTextPreTrainedModel,
ASTConfig,
ASTFeatureExtractor,
ASTForAudioClassification,
ASTModel,
ASTPreTrainedModel,
AutoBackbone,
AutoConfig,
AutoFeatureExtractor,
AutoformerConfig,
AutoformerForPrediction,
AutoformerModel,
AutoformerPreTrainedModel,
AutoImageProcessor,
AutoModel,
AutoModelForAudioClassification,
AutoModelForAudioFrameClassification,
AutoModelForAudioTokenization,
AutoModelForAudioXVector,
AutoModelForCausalLM,
AutoModelForCTC,
AutoModelForDepthEstimation,
AutoModelForDocumentQuestionAnswering,
AutoModelForImageClassification,
AutoModelForImageSegmentation,
AutoModelForImageTextToText,
AutoModelForImageToImage,

AutoModelForInstanceSegmentation,
AutoModelForKeypointDetection,
AutoModelForKeypointMatching,
AutoModelForMaskedImageModeling,
AutoModelForMaskedLM,
AutoModelForMaskGeneration,
AutoModelForMultipleChoice,
AutoModelForNextSentencePrediction,
AutoModelForObjectDetection,
AutoModelForPreTraining,
AutoModelForQuestionAnswering,
AutoModelForSemanticSegmentation,
AutoModelForSeq2SeqLM,
AutoModelForSequenceClassification,
AutoModelForSpeechSeq2Seq,
AutoModelForTableQuestionAnswering,
AutoModelForTextEncoding,
AutoModelForTextToSpectrogram,
AutoModelForTextToWaveform,
AutoModelForTimeSeriesPrediction,
AutoModelForTokenClassification,
AutoModelForUniversalSegmentation,
AutoModelForVideoClassification,
AutoModelForVision2Seq,
AutoModelForVisualQuestionAnswering,
AutoModelForZeroShotImageClassification,
AutoModelForZeroShotObjectDetection,
AutoModelWithLMHead,
AutoProcessor,
AutoTokenizer,
AutoVideoProcessor,
AyaVisionConfig,
AyaVisionForConditionalGeneration,
AyaVisionModel,
AyaVisionPreTrainedModel,
AyaVisionProcessor,
BambaConfig,
BambaForCausalLM,
BambaModel,
BambaPreTrainedModel,
BarkCausalModel,
BarkCoarseConfig,
BarkCoarseModel,
BarkConfig,
BarkFineConfig,
BarkFineModel,
BarkModel,
BarkPreTrainedModel,
BarkProcessor,
BarkSemanticConfig,
BarkSemanticModel,
BartConfig,
BartForCausalLM,
BartForConditionalGeneration,
BartForQuestionAnswering,
BartForSequenceClassification,
BarthezTokenizer,
BarthezTokenizerFast,
BartModel,
BartOnnxConfig,
BartphoTokenizer,
BartPretrainedModel,

BartPreTrainedModel,
BartTokenizer,
BartTokenizerFast,
BasicTokenizer,
BeitBackbone,
BeitConfig,
BeitFeatureExtractor,
BeitForImageClassification,
BeitForMaskedImageModeling,
BeitForSemanticSegmentation,
BeitImageProcessor,
BeitImageProcessorFast,
BeitModel,
BeitOnnxConfig,
BeitPreTrainedModel,
BertConfig,
BertForMaskedLM,
BertForMultipleChoice,
BertForNextSentencePrediction,
BertForPreTraining,
BertForQuestionAnswering,
BertForSequenceClassification,
BertForTokenClassification,
BertGenerationConfig,
BertGenerationDecoder,
BertGenerationEncoder,
BertGenerationPreTrainedModel,
BertGenerationTokenizer,
BertJapaneseTokenizer,
BertLayer,
BertLMHeadModel,
BertModel,
BertOnnxConfig,
BertPreTrainedModel,
BertTokenizer,
BertTokenizerFast,
BertweetTokenizer,
BigBirdConfig,
BigBirdForCausalLM,
BigBirdForMaskedLM,
BigBirdForMultipleChoice,
BigBirdForPreTraining,
BigBirdForQuestionAnswering,
BigBirdForSequenceClassification,
BigBirdForTokenClassification,
BigBirdLayer,
BigBirdModel,
BigBirdOnnxConfig,
BigBirdPegasusConfig,
BigBirdPegasusForCausalLM,
BigBirdPegasusForConditionalGeneration,
BigBirdPegasusForQuestionAnswering,
BigBirdPegasusForSequenceClassification,
BigBirdPegasusModel,
BigBirdPegasusOnnxConfig,
BigBirdPegasusPreTrainedModel,
BigBirdPreTrainedModel,
BigBirdTokenizer,
BigBirdTokenizerFast,
BioGptConfig,
BioGptForCausalLM,
BioGptForSequenceClassification,

BioGptForTokenClassification,
BioGptModel,
BioGptPreTrainedModel,
BioGptTokenizer,
BitBackbone,
BitConfig,
BitForImageClassification,
BitImageProcessor,
BitImageProcessorFast,
BitModel,
BitNetConfig,
BitNetForCausalLM,
BitNetModel,
BitNetPreTrainedModel,
BitPreTrainedModel,
BlenderbotConfig,
BlenderbotForCausalLM,
BlenderbotForConditionalGeneration,
BlenderbotModel,
BlenderbotOnnxConfig,
BlenderbotPreTrainedModel,
BlenderbotSmallConfig,
BlenderbotSmallForCausalLM,
BlenderbotSmallForConditionalGeneration,
BlenderbotSmallModel,
BlenderbotSmallOnnxConfig,
BlenderbotSmallPreTrainedModel,
BlenderbotSmallTokenizer,
BlenderbotSmallTokenizerFast,
BlenderbotTokenizer,
BlenderbotTokenizerFast,
Blip2Config,
Blip2ForConditionalGeneration,
Blip2ForImageTextRetrieval,
Blip2Model,
Blip2PreTrainedModel,
Blip2Processor,
Blip2QFormerConfig,
Blip2QFormerModel,
Blip2TextModelWithProjection,
Blip2VisionConfig,
Blip2VisionModel,
Blip2VisionModelWithProjection,
BlipConfig,
BlipForConditionalGeneration,
BlipForImageTextRetrieval,
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YolosForObjectDetection,

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YolosImageProcessor,
YolosImageProcessorFast,
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YosoForTokenClassification,
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Zamba2PreTrainedModel,
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ZambaForSequenceClassification,
ZambaModel,
ZambaPreTrainedModel,
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ZoeDepthForDepthEstimation,
ZoeDepthImageProcessor,
ZoeDepthImageProcessorFast,
ZoeDepthPreTrainedModel

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Functions

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[
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    load_tf_weights_in_albert,
    load_tf_weights_in_bert,
    load_tf_weights_in_bert_generation,
    load_tf_weights_in_big_bird,
    load_tf_weights_in_canine,
    load_tf_weights_in_convbert,
    load_tf_weights_in_electra,
    load_tf_weights_in_funnel,
    load_tf_weights_in_gpt2,
    load_tf_weights_in_gpt_neo,
    load_tf_weights_in_imagegpt,
    load_tf_weights_in_mobilebert,
    load_tf_weights_in_mobilenet_v1,
    load_tf_weights_in_mobilenet_v2,
    load_tf_weights_in_openai_gpt,
    load_tf_weights_in_qdqbert,
    load_tf_weights_in_realm,
    load_tf_weights_in_rembert,
    load_tf_weights_in_roc_bert,
    load_tf_weights_in_roformer,
    load_tf_weights_in_t5,
    load_tf_weights_in_tapas,
    load_tf_weights_in_trajectory_transformer,
    load_tf_weights_in_transfo_xl,
    load_tf_weights_in_xlnet

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Sentinels / Constants / Objects

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[
    CONFIG_MAPPING,

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FLAX_MODEL_FOR_CAUSAL_LM_MAPPING,
FLAX_MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING,
FLAX_MODEL_FOR_MASKED_LM_MAPPING,
FLAX_MODEL_FOR_MULTIPLE_CHOICE_MAPPING,
FLAX_MODEL_FOR_NEXT_SENTENCE_PREDICTION_MAPPING,
FLAX_MODEL_FOR_PRETRAINING_MAPPING,
FLAX_MODEL_FOR_QUESTION_ANSWERING_MAPPING,
FLAX_MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING,
FLAX_MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING,
FLAX_MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING,
FLAX_MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING,
FLAX_MODEL_FOR_VISION_2_SEQ_MAPPING,
FLAX_MODEL_MAPPING,
IMAGE_PROCESSOR_MAPPING,
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MODEL_FOR_AUDIO_TOKENIZATION_MAPPING,
MODEL_FOR_AUDIO_XVECTOR_MAPPING,
MODEL_FOR_BACKBONE_MAPPING,
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MODEL_FOR_CAUSAL_LM_MAPPING,
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MODEL_FOR_IMAGE_TEXT_TO_TEXT_MAPPING,
MODEL_FOR_IMAGE_TO_IMAGE_MAPPING,
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MODEL_FOR_KEYPOINT_MATCHING_MAPPING,
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MODEL_FOR_MASKED_LM_MAPPING,
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MODEL_FOR_TEXT_TO_SPECTROGRAM_MAPPING,
MODEL_FOR_TEXT_TO_WAVEFORM_MAPPING,
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MODEL_FOR_TIME_SERIES_PREDICTION_MAPPING,
MODEL_FOR_TIME_SERIES_REGRESSION_MAPPING,
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MODEL_FOR_VIDEO_CLASSIFICATION_MAPPING,
MODEL_FOR_VISION_2_SEQ_MAPPING,
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MODEL_MAPPING,

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TF_MODEL_WITH_LM_HEAD_MAPPING,
TOKENIZER_MAPPING,
VIDEO_PROCESSOR_MAPPING,
ZOEDEPTH_PRETRAINED_CONFIG_ARCHIVE_MAP
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Import statements

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from transformers.models import AdaptiveEmbedding
from transformers.models import Aimv2Config
from transformers.models import Aimv2Model
from transformers.models import Aimv2PreTrainedModel
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from transformers.models import BridgeTowerTextConfig
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from transformers.models import InstructBlipVideoQFormerConfig
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from transformers.models import TFBertForTokenClassification
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from transformers.models import VitPoseBackbone
from transformers.models import VitPoseBackboneConfig
from transformers.models import VitPoseBackbonePreTrainedModel
from transformers.models import VitPoseConfig
from transformers.models import VitPoseForPoseEstimation
from transformers.models import VitPoseImageProcessor
from transformers.models import VitPosePreTrainedModel
from transformers.models import ViTPreTrainedModel
from transformers.models import VitsConfig
from transformers.models import VitsModel
from transformers.models import VitsPreTrainedModel
from transformers.models import VitsTokenizer
from transformers.models import VivitConfig
from transformers.models import VivitForVideoClassification
from transformers.models import VivitImageProcessor
from transformers.models import VivitModel
from transformers.models import VivitPreTrainedModel
from transformers.models import VJEPA2Config
from transformers.models import VJEPA2ForVideoClassification
from transformers.models import VJEPA2Model
from transformers.models import VJEPA2PreTrainedModel
from transformers.models import VJEPA2VideoProcessor
from transformers.models import VoxtralConfig
from transformers.models import VoxtralEncoder
from transformers.models import VoxtralEncoderConfig
from transformers.models import VoxtralForConditionalGeneration
from transformers.models import VoxtralPreTrainedModel
from transformers.models import VoxtralProcessor
from transformers.models import Wav2Vec2BertConfig
from transformers.models import Wav2Vec2BertForAudioFrameClassification
from transformers.models import Wav2Vec2BertForCTC
from transformers.models import Wav2Vec2BertForSequenceClassification
from transformers.models import Wav2Vec2BertForXVector
from transformers.models import Wav2Vec2BertModel
from transformers.models import Wav2Vec2BertPreTrainedModel
from transformers.models import Wav2Vec2BertProcessor
from transformers.models import Wav2Vec2Config
from transformers.models import Wav2Vec2ConformerConfig
from transformers.models import Wav2Vec2ConformerForAudioFrameClassification
from transformers.models import Wav2Vec2ConformerForCTC
from transformers.models import Wav2Vec2ConformerForPreTraining
from transformers.models import Wav2Vec2ConformerForSequenceClassification
from transformers.models import Wav2Vec2ConformerForXVector
from transformers.models import Wav2Vec2ConformerModel
from transformers.models import Wav2Vec2ConformerPreTrainedModel
from transformers.models import Wav2Vec2CTCTokenizer
from transformers.models import Wav2Vec2FeatureExtractor
from transformers.models import Wav2Vec2ForAudioFrameClassification
from transformers.models import Wav2Vec2ForCTC
from transformers.models import Wav2Vec2ForMaskedLM
from transformers.models import Wav2Vec2ForPreTraining
from transformers.models import Wav2Vec2ForSequenceClassification
```

```
from transformers.models import Wav2Vec2ForXVector
from transformers.models import Wav2Vec2Model
from transformers.models import Wav2Vec2PhonemeCTCTokenizer
from transformers.models import Wav2Vec2PreTrainedModel
from transformers.models import Wav2Vec2Processor
from transformers.models import Wav2Vec2ProcessorWithLM
from transformers.models import Wav2Vec2Tokenizer
from transformers.models import WavLMConfig
from transformers.models import WavLMForAudioFrameClassification
from transformers.models import WavLMForCTC
from transformers.models import WavLMForSequenceClassification
from transformers.models import WavLMForXVector
from transformers.models import WavLMModel
from transformers.models import WavLMPreTrainedModel
from transformers.models import WhisperConfig
from transformers.models import WhisperFeatureExtractor
from transformers.models import WhisperForAudioClassification
from transformers.models import WhisperForCausalLM
from transformers.models import WhisperForConditionalGeneration
from transformers.models import WhisperModel
from transformers.models import WhisperOnnxConfig
from transformers.models import WhisperPreTrainedModel
from transformers.models import WhisperProcessor
from transformers.models import WhisperTokenizer
from transformers.models import WhisperTokenizerFast
from transformers.models import WordpieceTokenizer
from transformers.models import XCLIPConfig
from transformers.models import XCLIPModel
from transformers.models import XCLIPPreTrainedModel
from transformers.models import XCLIPProcessor
from transformers.models import XCLIPTextConfig
from transformers.models import XCLIPTextModel
from transformers.models import XCLIPVisionConfig
from transformers.models import XCLIPVisionModel
from transformers.models import XGLMConfig
from transformers.models import XGLMForCausalLM
from transformers.models import XGLMModel
from transformers.models import XGLMPreTrainedModel
from transformers.models import XGLMTokenizer
from transformers.models import XGLMTokenizerFast
from transformers.models import XLMConfig
from transformers.models import XLMForMultipleChoice
from transformers.models import XLMForQuestionAnswering
from transformers.models import XLMForQuestionAnsweringSimple
from transformers.models import XLMForSequenceClassification
from transformers.models import XLMForTokenClassification
from transformers.models import XLModel
from transformers.models import XLMOnnxConfig
from transformers.models import XLMPreTrainedModel
from transformers.models import XLMPProphetNetConfig
from transformers.models import XLMPProphetNetDecoder
from transformers.models import XLMPProphetNetEncoder
from transformers.models import XLMPProphetNetForCausalLM
from transformers.models import XLMPProphetNetForConditionalGeneration
from transformers.models import XLMPProphetNetModel
from transformers.models import XLMPProphetNetPreTrainedModel
from transformers.models import XLMPProphetNetTokenizer
from transformers.models import XLMRobertaConfig
from transformers.models import XLMRobertaForCausalLM
from transformers.models import XLMRobertaForMaskedLM
from transformers.models import XLMRobertaForMultipleChoice
from transformers.models import XLMRobertaForQuestionAnswering
```

```
from transformers.models import XLRobertaForSequenceClassification
from transformers.models import XLRobertaForTokenClassification
from transformers.models import XLRobertaModel
from transformers.models import XLRobertaOnnxConfig
from transformers.models import XLRobertaPreTrainedModel
from transformers.models import XLRobertaTokenizer
from transformers.models import XLRobertaTokenizerFast
from transformers.models import XLRobertaXLConfig
from transformers.models import XLRobertaXLForCausalLM
from transformers.models import XLRobertaXLForMaskedLM
from transformers.models import XLRobertaXLForMultipleChoice
from transformers.models import XLRobertaXLForQuestionAnswering
from transformers.models import XLRobertaXLForSequenceClassification
from transformers.models import XLRobertaXLForTokenClassification
from transformers.models import XLRobertaXLModel
from transformers.models import XLRobertaXLOnnxConfig
from transformers.models import XLRobertaXLPreTrainedModel
from transformers.models import XLTokenizer
from transformers.models import XLWithLMHeadModel
from transformers.models import XLNetConfig
from transformers.models import XLNetForMultipleChoice
from transformers.models import XLNetForQuestionAnswering
from transformers.models import XLNetForQuestionAnsweringSimple
from transformers.models import XLNetForSequenceClassification
from transformers.models import XLNetForTokenClassification
from transformers.models import XLNetLMHeadModel
from transformers.models import XLNetModel
from transformers.models import XLNetPreTrainedModel
from transformers.models import XLNetTokenizer
from transformers.models import XLNetTokenizerFast
from transformers.models import xLSTMConfig
from transformers.models import xLSTMForCausalLM
from transformers.models import xLSTMModel
from transformers.models import xLSTMPreTrainedModel
from transformers.models import XmodConfig
from transformers.models import XmodForCausalLM
from transformers.models import XmodForMaskedLM
from transformers.models import XmodForMultipleChoice
from transformers.models import XmodForQuestionAnswering
from transformers.models import XmodForSequenceClassification
from transformers.models import XmodForTokenClassification
from transformers.models import XmodModel
from transformers.models import XmodOnnxConfig
from transformers.models import XmodPreTrainedModel
from transformers.models import YolosConfig
from transformers.models import YolosFeatureExtractor
from transformers.models import YolosForObjectDetection
from transformers.models import YolosImageProcessor
from transformers.models import YolosImageProcessorFast
from transformers.models import YolosModel
from transformers.models import YolosOnnxConfig
from transformers.models import YolosPreTrainedModel
from transformers.models import YosoConfig
from transformers.models import YosoForMaskedLM
from transformers.models import YosoForMultipleChoice
from transformers.models import YosoForQuestionAnswering
from transformers.models import YosoForSequenceClassification
from transformers.models import YosoForTokenClassification
from transformers.models import YosoLayer
from transformers.models import YosoModel
from transformers.models import YosoPreTrainedModel
from transformers.models import Zamba2Config
```

```

from transformers.models import Zamba2ForCausalLM
from transformers.models import Zamba2ForSequenceClassification
from transformers.models import Zamba2Model
from transformers.models import Zamba2PreTrainedModel
from transformers.models import ZambaConfig
from transformers.models import ZambaForCausalLM
from transformers.models import ZambaForSequenceClassification
from transformers.models import ZambaModel
from transformers.models import ZambaPreTrainedModel
from transformers.models import ZoeDepthConfig
from transformers.models import ZoeDepthForDepthEstimation
from transformers.models import ZoeDepthImageProcessor
from transformers.models import ZoeDepthImageProcessorFast
from transformers.models import ZoeDepthPreTrainedModel

# Functions
from transformers.models import get_values
from transformers.models import load_tf_weights_in_albert
from transformers.models import load_tf_weights_in_bert
from transformers.models import load_tf_weights_in_bert_generation
from transformers.models import load_tf_weights_in_big_bird
from transformers.models import load_tf_weights_in_canine
from transformers.models import load_tf_weights_in_convbert
from transformers.models import load_tf_weights_in_electra
from transformers.models import load_tf_weights_in_funnel
from transformers.models import load_tf_weights_in_gpt2
from transformers.models import load_tf_weights_in_gpt_neo
from transformers.models import load_tf_weights_in_imagegpt
from transformers.models import load_tf_weights_in_mobilebert
from transformers.models import load_tf_weights_in_mobilenet_v1
from transformers.models import load_tf_weights_in_mobilenet_v2
from transformers.models import load_tf_weights_in_openai_gpt
from transformers.models import load_tf_weights_in_qdqbert
from transformers.models import load_tf_weights_in_realm
from transformers.models import load_tf_weights_in_rembert
from transformers.models import load_tf_weights_in_roc_bert
from transformers.models import load_tf_weights_in_roformer
from transformers.models import load_tf_weights_in_t5
from transformers.models import load_tf_weights_in_tapas
from transformers.models import load_tf_weights_in_trajectory_transformer
from transformers.models import load_tf_weights_in_transfo_xl
from transformers.models import load_tf_weights_in_xlnet

# Sentinels / Constants / Objects
from transformers.models import CONFIG_MAPPING
from transformers.models import FEATURE_EXTRACTOR_MAPPING
from transformers.models import FLAX_MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING
from transformers.models import FLAX_MODEL_FOR_CAUSAL_LM_MAPPING
from transformers.models import FLAX_MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING
from transformers.models import FLAX_MODEL_FOR_MASKED_LM_MAPPING
from transformers.models import FLAX_MODEL_FOR_MULTIPLE_CHOICE_MAPPING
from transformers.models import FLAX_MODEL_FOR_NEXT_SENTENCE_PREDICTION_MAPPING
from transformers.models import FLAX_MODEL_FOR_PRETRAINING_MAPPING
from transformers.models import FLAX_MODEL_FOR_QUESTION_ANSWERING_MAPPING
from transformers.models import FLAX_MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING
from transformers.models import FLAX_MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING
from transformers.models import FLAX_MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING
from transformers.models import FLAX_MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING
from transformers.models import FLAX_MODEL_FOR_VISION_2_SEQ_MAPPING
from transformers.models import FLAX_MODEL_MAPPING
from transformers.models import IMAGE_PROCESSOR_MAPPING
from transformers.models import MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING

```

```
from transformers.models import MODEL_FOR_AUDIO_FRAME_CLASSIFICATION_MAPPING
from transformers.models import MODEL_FOR_AUDIO_TOKENIZATION_MAPPING
from transformers.models import MODEL_FOR_AUDIO_XVECTOR_MAPPING
from transformers.models import MODEL_FOR_BACKBONE_MAPPING
from transformers.models import MODEL_FOR_CAUSAL_IMAGE_MODELING_MAPPING
from transformers.models import MODEL_FOR_CAUSAL_LM_MAPPING
from transformers.models import MODEL_FOR_CTC_MAPPING
from transformers.models import MODEL_FOR_DEPTH_ESTIMATION_MAPPING
from transformers.models import MODEL_FOR_DOCUMENT_QUESTION_ANSWERING_MAPPING
from transformers.models import MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING
from transformers.models import MODEL_FOR_IMAGE_MAPPING
from transformers.models import MODEL_FOR_IMAGE_SEGMENTATION_MAPPING
from transformers.models import MODEL_FOR_IMAGE_TEXT_TO_TEXT_MAPPING
from transformers.models import MODEL_FOR_IMAGE_TO_IMAGE_MAPPING
from transformers.models import MODEL_FOR_INSTANCE_SEGMENTATION_MAPPING
from transformers.models import MODEL_FOR_KEYPOINT_DETECTION_MAPPING
from transformers.models import MODEL_FOR_KEYPOINT_MATCHING_MAPPING
from transformers.models import MODEL_FOR_MASK_GENERATION_MAPPING
from transformers.models import MODEL_FOR_MASKED_IMAGE_MODELING_MAPPING
from transformers.models import MODEL_FOR_MASKED_LM_MAPPING
from transformers.models import MODEL_FOR_MULTIPLE_CHOICE_MAPPING
from transformers.models import MODEL_FOR_NEXT_SENTENCE_PREDICTION_MAPPING
from transformers.models import MODEL_FOR_OBJECT_DETECTION_MAPPING
from transformers.models import MODEL_FOR_PRETRAINING_MAPPING
from transformers.models import MODEL_FOR_QUESTION_ANSWERING_MAPPING
from transformers.models import MODEL_FOR_RETRIEVAL_MAPPING
from transformers.models import MODEL_FOR_SEMANTIC_SEGMENTATION_MAPPING
from transformers.models import MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING
from transformers.models import MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING
from transformers.models import MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING
from transformers.models import MODEL_FOR_TABLE_QUESTION_ANSWERING_MAPPING
from transformers.models import MODEL_FOR_TEXT_ENCODING_MAPPING
from transformers.models import MODEL_FOR_TEXT_TO_SPECTROGRAM_MAPPING
from transformers.models import MODEL_FOR_TEXT_TO_WAVEFORM_MAPPING
from transformers.models import MODEL_FOR_TIME_SERIES_CLASSIFICATION_MAPPING
from transformers.models import MODEL_FOR_TIME_SERIES_PREDICTION_MAPPING
from transformers.models import MODEL_FOR_TIME_SERIES_REGRESSION_MAPPING
from transformers.models import MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING
from transformers.models import MODEL_FOR_UNIVERSAL_SEGMENTATION_MAPPING
from transformers.models import MODEL_FOR_VIDEO_CLASSIFICATION_MAPPING
from transformers.models import MODEL_FOR_VISION_2_SEQ_MAPPING
from transformers.models import MODEL_FOR_VISUAL_QUESTION_ANSWERING_MAPPING
from transformers.models import MODEL_FOR_ZERO_SHOT_IMAGE_CLASSIFICATION_MAPPING
from transformers.models import MODEL_FOR_ZERO_SHOT_OBJECT_DETECTION_MAPPING
from transformers.models import MODEL_MAPPING
from transformers.models import MODEL_NAMES_MAPPING
from transformers.models import MODEL_WITH_LM_HEAD_MAPPING
from transformers.models import PROCESSOR_MAPPING
from transformers.models import TF_MODEL_FOR_AUDIO_CLASSIFICATION_MAPPING
from transformers.models import TF_MODEL_FOR_CAUSAL_LM_MAPPING
from transformers.models import TF_MODEL_FOR_DOCUMENT_QUESTION_ANSWERING_MAPPING
from transformers.models import TF_MODEL_FOR_IMAGE_CLASSIFICATION_MAPPING
from transformers.models import TF_MODEL_FOR_MASK_GENERATION_MAPPING
from transformers.models import TF_MODEL_FOR_MASKED_IMAGE_MODELING_MAPPING
from transformers.models import TF_MODEL_FOR_MASKED_LM_MAPPING
from transformers.models import TF_MODEL_FOR_MULTIPLE_CHOICE_MAPPING
from transformers.models import TF_MODEL_FOR_NEXT_SENTENCE_PREDICTION_MAPPING
from transformers.models import TF_MODEL_FOR_PRETRAINING_MAPPING
from transformers.models import TF_MODEL_FOR_QUESTION_ANSWERING_MAPPING
from transformers.models import TF_MODEL_FOR_SEMANTIC_SEGMENTATION_MAPPING
from transformers.models import TF_MODEL_FOR_SEQ_TO_SEQ_CAUSAL_LM_MAPPING
from transformers.models import TF_MODEL_FOR_SEQUENCE_CLASSIFICATION_MAPPING
```

```

from transformers.models import TF_MODEL_FOR_SPEECH_SEQ_2_SEQ_MAPPING
from transformers.models import TF_MODEL_FOR_TABLE_QUESTION_ANSWERING_MAPPING
from transformers.models import TF_MODEL_FOR_TEXT_ENCODING_MAPPING
from transformers.models import TF_MODEL_FOR_TOKEN_CLASSIFICATION_MAPPING
from transformers.models import TF_MODEL_FOR_VISION_2_SEQ_MAPPING
from transformers.models import TF_MODEL_FOR_ZERO_SHOT_IMAGE_CLASSIFICATION_MAPPING
from transformers.models import TF_MODEL_MAPPING
from transformers.models import TF_MODEL_WITH_LM_HEAD_MAPPING
from transformers.models import TOKENIZER_MAPPING
from transformers.models import VIDEO_PROCESSOR_MAPPING
from transformers.models import ZOEDPTH_PRETRAINED_CONFIG_ARCHIVE_MAP

```

transformers.onnx

Classes

```

[
    FeaturesManager,
    OnnxConfig,
    OnnxConfigWithPast,
    OnnxSeq2SeqConfigWithPast,
    ParameterFormat,
    PatchingSpec
]

```

Functions

```

[
    compute_serialized_parameters_size,
    export,
    validate_model_outputs
]

```

Sentinels / Constants / Objects

```

[
    EXTERNAL_DATA_FORMAT_SIZE_LIMIT
]

```

Import statements

```

from transformers.onnx import FeaturesManager
from transformers.onnx import OnnxConfig
from transformers.onnx import OnnxConfigWithPast
from transformers.onnx import OnnxSeq2SeqConfigWithPast
from transformers.onnx import ParameterFormat
from transformers.onnx import PatchingSpec

# Functions
from transformers.onnx import compute_serialized_parameters_size
from transformers.onnx import export
from transformers.onnx import validate_model_outputs

# Sentinels / Constants / Objects
from transformers.onnx import EXTERNAL_DATA_FORMAT_SIZE_LIMIT

```

transformers.optimization

Classes

```

[
    Adafactor,
    AdafactorSchedule,
    LambdaLR,
    LayerWiseDummyOptimizer,
    LayerWiseDummyScheduler,
    Optimizer,
    partial,
    ReduceLROnPlateau,
    SchedulerType
]

```

```

]
Functions
[
    get_adafactor_schedule,
    get_constant_schedule,
    get_constant_schedule_with_warmup,
    get_cosine_schedule_with_warmup,
    get_cosine_with_hard_restarts_schedule_with_warmup,
    get_cosine_with_min_lr_schedule_with_warmup,
    get_cosine_with_min_lr_schedule_with_warmup_lr_rate,
    get_inverse_sqrt_schedule,
    get_linear_schedule_with_warmup,
    get_polynomial_decay_schedule_with_warmup,
    get_reduce_on_plateau_schedule,
    get_scheduler,
    get_wsd_schedule
]
Sentinels / Constants / Objects
[
    logger,
    Optional,
    TYPE_TO_SCHEDULER_FUNCTION,
    Union
]
Import statements
from transformers.optimization import Adafactor
from transformers.optimization import AdafactorSchedule
from transformers.optimization import LambdaLR
from transformers.optimization import LayerWiseDummyOptimizer
from transformers.optimization import LayerWiseDummyScheduler
from transformers.optimization import Optimizer
from transformers.optimization import partial
from transformers.optimization import ReduceLROnPlateau
from transformers.optimization import SchedulerType

# Functions
from transformers.optimization import get_adafactor_schedule
from transformers.optimization import get_constant_schedule
from transformers.optimization import get_constant_schedule_with_warmup
from transformers.optimization import get_cosine_schedule_with_warmup
from transformers.optimization import get_cosine_with_hard_restarts_schedule_with_warmup
from transformers.optimization import get_cosine_with_min_lr_schedule_with_warmup
from transformers.optimization import get_cosine_with_min_lr_schedule_with_warmup_lr_rate
from transformers.optimization import get_inverse_sqrt_schedule
from transformers.optimization import get_linear_schedule_with_warmup
from transformers.optimization import get_polynomial_decay_schedule_with_warmup
from transformers.optimization import get_reduce_on_plateau_schedule
from transformers.optimization import get_scheduler
from transformers.optimization import get_wsd_schedule

# Sentinels / Constants / Objects
from transformers.optimization import logger
from transformers.optimization import Optional
from transformers.optimization import TYPE_TO_SCHEDULER_FUNCTION
from transformers.optimization import Union

```

transformers.optimization_tf

Classes

```

[
    Adam,
    AdamWeightDecay,

```

```

    GradientAccumulator,
    WarmUp
]
Functions
[
    create_optimizer
]
Sentinels / Constants / Objects
[
    Callable,
    Optional,
    Union
]
Import statements
from transformers.optimization_tf import Adam
from transformers.optimization_tf import AdamWeightDecay
from transformers.optimization_tf import GradientAccumulator
from transformers.optimization_tf import WarmUp

# Functions
from transformers.optimization_tf import create_optimizer

# Sentinels / Constants / Objects
from transformers.optimization_tf import Callable
from transformers.optimization_tf import Optional
from transformers.optimization_tf import Union

```

transformers.pipelines

Classes

```

[
    AggregationStrategy,
    Any,
    ArgumentHandler,
    AudioClassificationPipeline,
    AutoConfig,
    AutoFeatureExtractor,
    AutoImageProcessor,
    AutomaticSpeechRecognitionPipeline,
    AutoModel,
    AutoModelForAudioClassification,
    AutoModelForCausalLM,
    AutoModelForCTC,
    AutoModelForDepthEstimation,
    AutoModelForDocumentQuestionAnswering,
    AutoModelForImageClassification,
    AutoModelForImageSegmentation,
    AutoModelForImageTextToText,
    AutoModelForImageToImage,
    AutoModelForMaskedLM,
    AutoModelForMaskGeneration,
    AutoModelForObjectDetection,
    AutoModelForQuestionAnswering,
    AutoModelForSemanticSegmentation,
    AutoModelForSeq2SeqLM,
    AutoModelForSequenceClassification,
    AutoModelForSpeechSeq2Seq,
    AutoModelForTableQuestionAnswering,
    AutoModelForTextToSpectrogram,
    AutoModelForTextToWaveform,
    AutoModelForTokenClassification,
    AutoModelForVideoClassification,

```


AutoModelForVision2Seq,
 AutoModelForVisualQuestionAnswering,
 AutoModelForZeroShotImageClassification,
 AutoModelForZeroShotObjectDetection,
 AutoProcessor,
 AutoTokenizer,
 BaseImageProcessor,
 CsvPipelineDataFormat,
 DepthEstimationPipeline,
 DocumentQuestionAnsweringPipeline,
 FeatureExtractionPipeline,
 FillMaskPipeline,
 ImageClassificationPipeline,
 ImageFeatureExtractionPipeline,
 ImageSegmentationPipeline,
 ImageTextToTextPipeline,
 ImageToImagePipeline,
 ImageToTextPipeline,
 JsonPipelineDataFormat,
 MaskGenerationPipeline,
 NerPipeline,
 ObjectDetectionPipeline,
 Path,
 PipedPipelineDataFormat,
 Pipeline,
 PipelineDataFormat,
 PipelineException,
 PipelineRegistry,
 PretrainedConfig,
 PreTrainedTokenizer,
 ProcessorMixin,
 QuestionAnsweringArgumentHandler,
 QuestionAnsweringPipeline,
 SummarizationPipeline,
 TableQuestionAnsweringArgumentHandler,
 TableQuestionAnsweringPipeline,
 Text2TextGenerationPipeline,
 TextClassificationPipeline,
 TextGenerationPipeline,
 TextToAudioPipeline,
 TFAutoModel,
 TFAutoModelForCausalLM,
 TFAutoModelForImageClassification,
 TFAutoModelForMaskedLM,
 TFAutoModelForQuestionAnswering,
 TFAutoModelForSeq2SeqLM,
 TFAutoModelForSequenceClassification,
 TFAutoModelForTableQuestionAnswering,
 TFAutoModelForTokenClassification,
 TFAutoModelForVision2Seq,
 TFAutoModelForZeroShotImageClassification,
 TokenClassificationArgumentHandler,
 TokenClassificationPipeline,
 TranslationPipeline,
 VideoClassificationPipeline,
 VisualQuestionAnsweringPipeline,
 ZeroShotAudioClassificationPipeline,
 ZeroShotClassificationArgumentHandler,
 ZeroShotClassificationPipeline,
 ZeroShotImageClassificationPipeline,
 ZeroShotObjectDetectionPipeline

Functions

```
[
    cached_file,
    check_task,
    clean_custom_task,
    extract_commit_hash,
    find_adapter_config_file,
    get_class_from_dynamic_module,
    get_default_model_and_revision,
    get_supported_tasks,
    get_task,
    infer_framework_load_model,
    is_kenlm_available,
    is_offline_mode,
    is_peft_available,
    is_pyctcdecode_available,
    is_tf_available,
    is_torch_available,
    model_info,
    overload,
    pipeline
]
```

Sentinels / Constants / Objects

```
[
    CONFIG_NAME,
    FEATURE_EXTRACTOR_MAPPING,
    HUGGINGFACE_CO_RESOLVE_ENDPOINT,
    IMAGE_PROCESSOR_MAPPING,
    Literal,
    logger,
    Optional,
    PIPELINE_REGISTRY,
    PreTrainedFeatureExtractor,
    PROCESSOR_MAPPING,
    SUPPORTED_TASKS,
    TASK_ALIASES,
    TOKENIZER_MAPPING,
    TYPE_CHECKING,
    Union
]
```

Import statements

```
from transformers.pipelines import AggregationStrategy
from transformers.pipelines import Any
from transformers.pipelines import ArgumentHandler
from transformers.pipelines import AudioClassificationPipeline
from transformers.pipelines import AutoConfig
from transformers.pipelines import AutoFeatureExtractor
from transformers.pipelines import AutoImageProcessor
from transformers.pipelines import AutomaticSpeechRecognitionPipeline
from transformers.pipelines import AutoModel
from transformers.pipelines import AutoModelForAudioClassification
from transformers.pipelines import AutoModelForCausalLM
from transformers.pipelines import AutoModelForCTC
from transformers.pipelines import AutoModelForDepthEstimation
from transformers.pipelines import AutoModelForDocumentQuestionAnswering
from transformers.pipelines import AutoModelForImageClassification
from transformers.pipelines import AutoModelForImageSegmentation
from transformers.pipelines import AutoModelForImageTextToText
from transformers.pipelines import AutoModelForImageToImage
from transformers.pipelines import AutoModelForMaskedLM
from transformers.pipelines import AutoModelForMaskGeneration
from transformers.pipelines import AutoModelForObjectDetection
```

```
from transformers.pipelines import AutoModelForQuestionAnswering
from transformers.pipelines import AutoModelForSemanticSegmentation
from transformers.pipelines import AutoModelForSeq2SeqLM
from transformers.pipelines import AutoModelForSequenceClassification
from transformers.pipelines import AutoModelForSpeechSeq2Seq
from transformers.pipelines import AutoModelForTableQuestionAnswering
from transformers.pipelines import AutoModelForTextToSpectrogram
from transformers.pipelines import AutoModelForTextToWaveform
from transformers.pipelines import AutoModelForTokenClassification
from transformers.pipelines import AutoModelForVideoClassification
from transformers.pipelines import AutoModelForVision2Seq
from transformers.pipelines import AutoModelForVisualQuestionAnswering
from transformers.pipelines import AutoModelForZeroShotImageClassification
from transformers.pipelines import AutoModelForZeroShotObjectDetection
from transformers.pipelines import AutoProcessor
from transformers.pipelines import AutoTokenizer
from transformers.pipelines import BaseImageProcessor
from transformers.pipelines import CsvPipelineDataFormat
from transformers.pipelines import DepthEstimationPipeline
from transformers.pipelines import DocumentQuestionAnsweringPipeline
from transformers.pipelines import FeatureExtractionPipeline
from transformers.pipelines import FillMaskPipeline
from transformers.pipelines import ImageClassificationPipeline
from transformers.pipelines import ImageFeatureExtractionPipeline
from transformers.pipelines import ImageSegmentationPipeline
from transformers.pipelines import ImageTextToTextPipeline
from transformers.pipelines import ImageToImagePipeline
from transformers.pipelines import ImageToTextPipeline
from transformers.pipelines import JsonPipelineDataFormat
from transformers.pipelines import MaskGenerationPipeline
from transformers.pipelines import NerPipeline
from transformers.pipelines import ObjectDetectionPipeline
from transformers.pipelines import Path
from transformers.pipelines import PipedPipelineDataFormat
from transformers.pipelines import Pipeline
from transformers.pipelines import PipelineDataFormat
from transformers.pipelines import PipelineException
from transformers.pipelines import PipelineRegistry
from transformers.pipelines import PretrainedConfig
from transformers.pipelines import PreTrainedTokenizer
from transformers.pipelines import ProcessorMixin
from transformers.pipelines import QuestionAnsweringArgumentHandler
from transformers.pipelines import QuestionAnsweringPipeline
from transformers.pipelines import SummarizationPipeline
from transformers.pipelines import TableQuestionAnsweringArgumentHandler
from transformers.pipelines import TableQuestionAnsweringPipeline
from transformers.pipelines import Text2TextGenerationPipeline
from transformers.pipelines import TextClassificationPipeline
from transformers.pipelines import TextGenerationPipeline
from transformers.pipelines import TextToAudioPipeline
from transformers.pipelines import TFAutoModel
from transformers.pipelines import TFAutoModelForCausalLM
from transformers.pipelines import TFAutoModelForImageClassification
from transformers.pipelines import TFAutoModelForMaskedLM
from transformers.pipelines import TFAutoModelForQuestionAnswering
from transformers.pipelines import TFAutoModelForSeq2SeqLM
from transformers.pipelines import TFAutoModelForSequenceClassification
from transformers.pipelines import TFAutoModelForTableQuestionAnswering
from transformers.pipelines import TFAutoModelForTokenClassification
from transformers.pipelines import TFAutoModelForVision2Seq
from transformers.pipelines import TFAutoModelForZeroShotImageClassification
from transformers.pipelines import TokenClassificationArgumentHandler
```

```

from transformers.pipelines import TokenClassificationPipeline
from transformers.pipelines import TranslationPipeline
from transformers.pipelines import VideoClassificationPipeline
from transformers.pipelines import VisualQuestionAnsweringPipeline
from transformers.pipelines import ZeroShotAudioClassificationPipeline
from transformers.pipelines import ZeroShotClassificationArgumentHandler
from transformers.pipelines import ZeroShotClassificationPipeline
from transformers.pipelines import ZeroShotImageClassificationPipeline
from transformers.pipelines import ZeroShotObjectDetectionPipeline

# Functions
from transformers.pipelines import cached_file
from transformers.pipelines import check_task
from transformers.pipelines import clean_custom_task
from transformers.pipelines import extract_commit_hash
from transformers.pipelines import find_adapter_config_file
from transformers.pipelines import get_class_from_dynamic_module
from transformers.pipelines import get_default_model_and_revision
from transformers.pipelines import get_supported_tasks
from transformers.pipelines import get_task
from transformers.pipelines import infer_framework_load_model
from transformers.pipelines import is_kenlm_available
from transformers.pipelines import is_offline_mode
from transformers.pipelines import is_peft_available
from transformers.pipelines import is_pyctcdecode_available
from transformers.pipelines import is_tf_available
from transformers.pipelines import is_torch_available
from transformers.pipelines import model_info
from transformers.pipelines import overload
from transformers.pipelines import pipeline

# Sentinels / Constants / Objects
from transformers.pipelines import CONFIG_NAME
from transformers.pipelines import FEATURE_EXTRACTOR_MAPPING
from transformers.pipelines import HUGGINGFACE_CO_RESOLVE_ENDPOINT
from transformers.pipelines import IMAGE_PROCESSOR_MAPPING
from transformers.pipelines import Literal
from transformers.pipelines import logger
from transformers.pipelines import Optional
from transformers.pipelines import PIPELINE_REGISTRY
from transformers.pipelines import PreTrainedFeatureExtractor
from transformers.pipelines import PROCESSOR_MAPPING
from transformers.pipelines import SUPPORTED_TASKS
from transformers.pipelines import TASK_ALIASES
from transformers.pipelines import TOKENIZER_MAPPING
from transformers.pipelines import TYPE_CHECKING
from transformers.pipelines import Union

```

transformers.processing_utils

Classes

```

[
    AllKwargsForChatTemplate,
    Any,
    AudioKwargs,
    BatchFeature,
    ChannelDimension,
    ChatTemplateLoadKwargs,
    CommonKwargs,
    EntryNotFoundError,
    ImagesKwargs,
    MultiModalData,

```

- PaddingStrategy,
- Path,
- PILImageResampling,
- PreTrainedAudioTokenizerBase,
- PreTrainedTokenizerBase,
- ProcessingKwargs,
- ProcessorChatTemplateKwargs,
- ProcessorMixin,
- PushToHubMixin,
- TensorType,
- TextInput,
- TextKwargs,
- TokenizerChatTemplateKwargs,
- TruncationStrategy,
- TypeVar,
- VideoMetadata,
- VideosKwargs

]

Functions

- [
- cached_file,
- copy_func,
- custom_object_save,
- dataclass,
- deprecate_kwarg,
- direct_transformers_import,
- download_url,
- is_offline_mode,
- is_remote_url,
- is_torch_available,
- list_repo_templates,
- load_audio,
- load_image,
- load_video,
- render_jinja_template,
- TypedDict

]

Sentinels / Constants / Objects

- [
- AUDIO_TOKENIZER_NAME,
- AUTO_TO_BASE_CLASS_MAPPING,
- CHAT_TEMPLATE_DIR,
- CHAT_TEMPLATE_FILE,
- is_vision_available,
- LEGACY_PROCESSOR_CHAT_TEMPLATE_FILE,
- logger,
- Optional,
- PreTokenizedInput,
- PROCESSOR_NAME,
- SpecificProcessorType,
- Union,
- Unpack

]

Import statements

```
from transformers.processing_utils import AllKwargsForChatTemplate
from transformers.processing_utils import Any
from transformers.processing_utils import AudioKwargs
from transformers.processing_utils import BatchFeature
from transformers.processing_utils import ChannelDimension
from transformers.processing_utils import ChatTemplateLoadKwargs
from transformers.processing_utils import CommonKwargs
from transformers.processing_utils import EntryNotFoundError
```

```

from transformers.processing_utils import ImagesKwargs
from transformers.processing_utils import MultiModalData
from transformers.processing_utils import PaddingStrategy
from transformers.processing_utils import Path
from transformers.processing_utils import PILImageResampling
from transformers.processing_utils import PreTrainedAudioTokenizerBase
from transformers.processing_utils import PreTrainedTokenizerBase
from transformers.processing_utils import ProcessingKwargs
from transformers.processing_utils import ProcessorChatTemplateKwargs
from transformers.processing_utils import ProcessorMixin
from transformers.processing_utils import PushToHubMixin
from transformers.processing_utils import TensorType
from transformers.processing_utils import TextInput
from transformers.processing_utils import TextKwargs
from transformers.processing_utils import TokenizerChatTemplateKwargs
from transformers.processing_utils import TruncationStrategy
from transformers.processing_utils import TypeVar
from transformers.processing_utils import VideoMetadata
from transformers.processing_utils import VideosKwargs

# Functions
from transformers.processing_utils import cached_file
from transformers.processing_utils import copy_func
from transformers.processing_utils import custom_object_save
from transformers.processing_utils import dataclass
from transformers.processing_utils import deprecate_kwarg
from transformers.processing_utils import direct_transformers_import
from transformers.processing_utils import download_url
from transformers.processing_utils import is_offline_mode
from transformers.processing_utils import is_remote_url
from transformers.processing_utils import is_torch_available
from transformers.processing_utils import list_repo_templates
from transformers.processing_utils import load_audio
from transformers.processing_utils import load_image
from transformers.processing_utils import load_video
from transformers.processing_utils import render_jinja_template
from transformers.processing_utils import TypedDict

# Sentinels / Constants / Objects
from transformers.processing_utils import AUDIO_TOKENIZER_NAME
from transformers.processing_utils import AUTO_TO_BASE_CLASS_MAPPING
from transformers.processing_utils import CHAT_TEMPLATE_DIR
from transformers.processing_utils import CHAT_TEMPLATE_FILE
from transformers.processing_utils import is_vision_available
from transformers.processing_utils import LEGACY_PROCESSOR_CHAT_TEMPLATE_FILE
from transformers.processing_utils import logger
from transformers.processing_utils import Optional
from transformers.processing_utils import PreTokenizedInput
from transformers.processing_utils import PROCESSOR_NAME
from transformers.processing_utils import SpecificProcessorType
from transformers.processing_utils import Union
from transformers.processing_utils import Unpack

```

transformers.pytorch_utils

Classes

```

[
    Conv1D
]

```

Functions

```

[
    apply_chunking_to_forward,

```

```

compile_compatible_method_lru_cache,
find_pruneable_heads_and_indices,
id_tensor_storage,
is_torchdynamo_compiling,
isin_mps_friendly,
lru_cache,
meshgrid,
prune_conv1d_layer,
prune_layer,
prune_linear_layer,
softmax_backward_data,
storage_ptr,
storage_size,
wraps
]

```

Sentinels / Constants / Objects

```

[
    ALL_LAYERNORM_LAYERS,
    annotations,
    Callable,
    is_torch_greater_or_equal,
    is_torch_greater_or_equal_than_1_12,
    is_torch_greater_or_equal_than_1_13,
    is_torch_greater_or_equal_than_2_0,
    is_torch_greater_or_equal_than_2_1,
    is_torch_greater_or_equal_than_2_2,
    is_torch_greater_or_equal_than_2_3,
    is_torch_greater_or_equal_than_2_4,
    is_torch_greater_or_equal_than_2_6,
    is_torch_greater_or_equal_than_2_8,
    is_torch_xla_available,
    logger
]

```

Import statements

```

from transformers.pytorch_utils import Conv1D

```

Functions

```

from transformers.pytorch_utils import apply_chunking_to_forward
from transformers.pytorch_utils import compile_compatible_method_lru_cache
from transformers.pytorch_utils import find_pruneable_heads_and_indices
from transformers.pytorch_utils import id_tensor_storage
from transformers.pytorch_utils import is_torchdynamo_compiling
from transformers.pytorch_utils import isin_mps_friendly
from transformers.pytorch_utils import lru_cache
from transformers.pytorch_utils import meshgrid
from transformers.pytorch_utils import prune_conv1d_layer
from transformers.pytorch_utils import prune_layer
from transformers.pytorch_utils import prune_linear_layer
from transformers.pytorch_utils import softmax_backward_data
from transformers.pytorch_utils import storage_ptr
from transformers.pytorch_utils import storage_size
from transformers.pytorch_utils import wraps

```

Sentinels / Constants / Objects

```

from transformers.pytorch_utils import ALL_LAYERNORM_LAYERS
from transformers.pytorch_utils import annotations
from transformers.pytorch_utils import Callable
from transformers.pytorch_utils import is_torch_greater_or_equal
from transformers.pytorch_utils import is_torch_greater_or_equal_than_1_12
from transformers.pytorch_utils import is_torch_greater_or_equal_than_1_13
from transformers.pytorch_utils import is_torch_greater_or_equal_than_2_0
from transformers.pytorch_utils import is_torch_greater_or_equal_than_2_1

```

```

from transformers.pytorch_utils import is_torch_greater_or_equal_than_2_2
from transformers.pytorch_utils import is_torch_greater_or_equal_than_2_3
from transformers.pytorch_utils import is_torch_greater_or_equal_than_2_4
from transformers.pytorch_utils import is_torch_greater_or_equal_than_2_6
from transformers.pytorch_utils import is_torch_greater_or_equal_than_2_8
from transformers.pytorch_utils import is_torch_xla_available
from transformers.pytorch_utils import logger

```

transformers.quantizers

Classes

```

[
    AutoHfQuantizer,
    AutoQuantizationConfig,
    HfQuantizer
]

```

Functions

```

[
    get_module_from_name,
    register_quantization_config,
    register_quantizer
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from transformers.quantizers import AutoHfQuantizer
from transformers.quantizers import AutoQuantizationConfig
from transformers.quantizers import HfQuantizer

```

Functions

```

from transformers.quantizers import get_module_from_name
from transformers.quantizers import register_quantization_config
from transformers.quantizers import register_quantizer

```

Sentinels / Constants / Objects

```

(none)

```

transformers.safetensors_conversion

Classes

```

[
    Discussion,
    HfApi
]

```

Functions

```

[
    auto_conversion,
    cached_file,
    get_conversion_pr_reference,
    get_repo_discussions,
    http_user_agent,
    previous_pr,
    spawn_conversion
]

```

Sentinels / Constants / Objects

```

[
    logger,
    Optional
]

```

Import statements

```

from transformers.safetensors_conversion import Discussion
from transformers.safetensors_conversion import HfApi

```



```

# Functions
from transformers.safetensors_conversion import auto_conversion
from transformers.safetensors_conversion import cached_file
from transformers.safetensors_conversion import get_conversion_pr_reference
from transformers.safetensors_conversion import get_repo_discussions
from transformers.safetensors_conversion import http_user_agent
from transformers.safetensors_conversion import previous_pr
from transformers.safetensors_conversion import spawn_conversion

# Sentinels / Constants / Objects
from transformers.safetensors_conversion import logger
from transformers.safetensors_conversion import Optional

```

transformers.sagemaker

Classes

```

[
    SageMakerTrainer,
    SageMakerTrainingArguments
]

```

Functions

```

[
    is_sagemaker_dp_enabled
]

```

Sentinels / Constants / Objects

```

[]

```

Import statements

```

from transformers.sagemaker import SageMakerTrainer
from transformers.sagemaker import SageMakerTrainingArguments

```

```

# Functions
from transformers.sagemaker import is_sagemaker_dp_enabled

```

```

# Sentinels / Constants / Objects
(none)

```

transformers.testing_utils

Classes

```

[
    AcceleratorState,
    Any,
    CaptureLogger,
    CaptureStd,
    CaptureStderr,
    CaptureStdout,
    defaultdict,
    DoctestItem,
    Expectations,
    Generator,
    HfDoctestModule,
    HfDocTestParser,
    Iterable,
    Iterator,
    Mapping,
    Module,
    PartialState,
    Path,
    RequestCounter,
    StringIO,
    SubprocessCallException,
    TemporaryHubRepo,
]

```

```
TestCasePlus,  
Trainer,  
UserDict  
]
```

Functions

```
[  
    apply_print_resets,  
    apply_skip_if_not_implemented,  
    assert_screenout,  
    backend_device_count,  
    backend_empty_cache,  
    backend_manual_seed,  
    backend_max_memory_allocated,  
    backend_memory_allocated,  
    backend_reset_max_memory_allocated,  
    backend_reset_peak_memory_stats,  
    backend_synchronize,  
    backend_torch_accelerator_module,  
    cache,  
    check_json_file_has_correct_format,  
    cleanup,  
    cmd_exists,  
    compare_pipeline_output_to_hub_spec,  
    custom_tokenizers,  
    delete_repo,  
    evaluate_side_effect_factory,  
    execute_subprocess_async,  
    ExtendSysPath,  
    fields,  
    get_gpu_count,  
    get_optionflags,  
    get_steps_per_epoch,  
    get_tests_dir,  
    get_torch_dist_unique_port,  
    hub_retry,  
    import_path,  
    is_accelerate_available,  
    is_agent_test,  
    is_apex_available,  
    is_apollo_torch_available,  
    is_aqlm_available,  
    is_auto_awq_available,  
    is_auto_gptq_available,  
    is_auto_round_available,  
    is_av_available,  
    is_bitsandbytes_multi_backend_available,  
    is_bs4_available,  
    is_clearml_available,  
    is_compressed_tensors_available,  
    is_cv2_available,  
    is_cython_available,  
    is_decord_available,  
    is_deepspeed_available,  
    is_detectron2_available,  
    is_eetq_available,  
    is_essentia_available,  
    is_faiss_available,  
    is_fbgemm_gpu_available,  
    is_flaky,  
    is_flash_attn_2_available,  
    is_flax_available,  
    is_flute_available,  
]
```

is_fp8_available,
is_fp_quant_available,
is_fsdp_available,
is_ftfy_available,
is_g2p_en_available,
is_galore_torch_available,
is_gguf_available,
is_gptqmodel_available,
is_grokadamw_available,
is_hadamard_available,
is_hqq_available,
is_ipex_available,
is_jieba_available,
is_jinja_available,
is_jumanpp_available,
is_keras_nlp_available,
is_kernels_available,
is_levenshtein_available,
is_librosa_available,
is_liger_kernel_available,
is_lomo_available,
is_mistral_common_available,
is_natten_available,
is_nltk_available,
is_onnx_available,
is_openai_available,
is_optimum_available,
is_optimum_quanto_available,
is_optuna_available,
is_pandas_available,
is_peft_available,
is_phonemizer_available,
is_pipeline_test,
is_pretty_midi_available,
is_psutil_available,
is_pyctcdecode_available,
is pytesseract_available,
is_pytest_available,
is_pytorch_quantization_available,
is_quark_available,
is_qutlass_available,
is_ray_available,
is_rjieba_available,
is_sacremoses_available,
is_safetensors_available,
is_schedulefree_available,
is_scipy_available,
is_sentencepiece_available,
is_seqio_available,
is_sigopt_available,
is_spacy_available,
is_speech_available,
is_spqr_available,
is_staging_test,
is_sudachi_available,
is_sudachi_projection_available,
is_swanlab_available,
is_tensorboard_available,
is_tensorflow_probability_available,
is_tensorflow_text_available,
is_tf2onnx_available,
is_tf_available,

is_tiktoken_available,
is_timm_available,
is_tokenizers_available,
is_torch_available,
is_torch_bf16_gpu_available,
is_torch_optimi_available,
is_torch_sdpa_available,
is_torch_tensorrt_fx_available,
is_torch_tf32_available,
is_torchao_available,
is_torchaudio_available,
is_torchcodec_available,
is_torchdynamo_available,
is_torchvision_available,
is_trackio_available,
is_triton_available,
is_vptq_available,
is_wandb_available,
LoggingLevel,
mockenv,
mockenv_context,
nested_simplify,
parse_flag_from_env,
parse_int_from_env,
patch,
preprocess_string,
pytest_addoption_shared,
pytest_terminal_summary_main,
pytest_xdist_worker_id,
require_accelerate,
require_apex,
require_apollo_torch,
require_aqlm,
require_auto_awq,
require_auto_round,
require_av,
require_bitsandbytes,
require_bs4,
require_clearml,
require_compressed_tensors,
require_cv2,
require_cython,
require_decord,
require_deepspeed,
require_detectron2,
require_deterministic_for_xpu,
require_eetq,
require_essentia,
require_faiss,
require_fbgemm_gpu,
require_flash_attn,
require_flash_attn_3,
require_flax,
require_flute_hadamard,
require_fp8,
require_fp_quant,
require_fsdp,
require_ftfy,
require_g2p_en,
require_galore_torch,
require_gguf,
require_gptq,

```
require_grokadamw,
require_hqq,
require_huggingface_hub_greater_or_equal,
require_intel_extension_for_pytorch,
require_jieba,
require_jinja,
require_jumanpp,
require_keras_nlp,
require_kernels,
require_large_cpu_ram,
require_levenshtein,
require_librosa,
require_liger_kernel,
require_lomo,
require_mistral_common,
require_natten,
require_nltk,
require_non_hpu,
require_non_xpu,
require_onnx,
require_openai,
require_optimum,
require_optimum_quanto,
require_optuna,
require_pandas,
require_peft,
require_phonemizer,
require_pretty_midi,
require_pyctcdecode,
require_pytorch_quantization,
require_quark,
require_qutlass,
require_ray,
require_read_token,
require_rjieba,
require_sacremoses,
require_safetensors,
require_schedulefree,
require_scipy,
require_sentencepiece,
require_seqio,
require_sigopt,
require_spacy,
require_speech,
require_spqr,
require_sudachi,
require_sudachi_projection,
require_swanlab,
require_tensorboard,
require_tensorflow_probability,
require_tensorflow_text,
require_tf,
require_tf2onnx,
require_tiktoken,
require_timm,
require_tokenizers,
require_torch,
require_torch_accelerator,
require_torch_bf16,
require_torch_bf16_gpu,
require_torch_fp16,
```

```

require_torch_gpu,
require_torch_gpu_if_bnb_not_multi_backend_enabled,
require_torch_greater_or_equal,
require_torch_large_accelerator,
require_torch_large_gpu,
require_torch_mps,
require_torch_multi_accelerator,
require_torch_multi_gpu,
require_torch_multi_hpu,
require_torch_multi_npu,
require_torch_multi_xpu,
require_torch_neuroncore,
require_torch_non_multi_accelerator,
require_torch_non_multi_gpu,
require_torch_npu,
require_torch_optimi,
require_torch_or_tf,
require_torch_sdpa,
require_torch_tensorrt_fx,
require_torch_tf32,
require_torch_up_to_2_accelerators,
require_torch_up_to_2_gpus,
require_torch_xla,
require_torch_xpu,
require_torchao,
require_torchao_version_greater_or_equal,
require_torchaudio,
require_torchcodec,
require_torchdynamo,
require_torchvision,
require_trackio,
require_triton,
require_usr_bin_time,
require_vision,
require_vptq,
require_wandb,
run_command,
run_first,
run_test_in_subprocess,
run_test_using_subprocess,
set_config_for_less_flaky_test,
set_model_for_less_flaky_test,
set_model_tester_for_less_flaky_test,
skip,
skip_if_not_implemented,
slow,
strtobool,
to_2tuple,
tooslow,
torchrun,
unpack_device_properties,
wraps
]

```

Sentinels / Constants / Objects

```

[
    ACCELERATE_MIN_VERSION,
    BACKEND_DEVICE_COUNT,
    BACKEND_EMPTY_CACHE,
    BACKEND_MANUAL_SEED,
    BACKEND_MAX_MEMORY_ALLOCATED,
    BACKEND_MEMORY_ALLOCATED,
    BACKEND_RESET_MAX_MEMORY_ALLOCATED,

```

```

BACKEND_RESET_PEAK_MEMORY_STATS,
BACKEND_SYNCHRONIZE,
BACKEND_TORCH_ACCELERATOR_MODULE,
Callable,
DeviceProperties,
DUMMY_DIFF_TOKENIZER_IDENTIFIER,
DUMMY_UNKNOWN_IDENTIFIER,
ENDPOINT_STAGING,
get_device_properties,
GGUF_MIN_VERSION,
is_bitsandbytes_available,
IS_CUDA_SYSTEM,
is_flash_attn_3_available,
is_huggingface_hub_greater_or_equal,
IS_ROCM_SYSTEM,
is_torch_bf16_available_on_device,
is_torch_fp16_available_on_device,
is_torch_greater_or_equal,
is_torch_hpu_available,
is_torch_mlu_available,
is_torch_neuroncore_available,
is_torch_npu_available,
is_torch_xla_available,
is_torch_xpu_available,
is_vision_available,
IS_XPU_SYSTEM,
jax_device,
logger,
MISSING,
Optional,
PackedDeviceProperties,
pytest_opt_registered,
SMALL_MODEL_IDENTIFIER,
TOKEN,
torch_device,
TRITON_MIN_VERSION,
Union,
USER
]

```

Import statements

```

from transformers.testing_utils import AcceleratorState
from transformers.testing_utils import Any
from transformers.testing_utils import CaptureLogger
from transformers.testing_utils import CaptureStd
from transformers.testing_utils import CaptureStderr
from transformers.testing_utils import CaptureStdout
from transformers.testing_utils import defaultdict
from transformers.testing_utils import DoctestItem
from transformers.testing_utils import Expectations
from transformers.testing_utils import Generator
from transformers.testing_utils import HfDoctestModule
from transformers.testing_utils import HfDocTestParser
from transformers.testing_utils import Iterable
from transformers.testing_utils import Iterator
from transformers.testing_utils import Mapping
from transformers.testing_utils import Module
from transformers.testing_utils import PartialState
from transformers.testing_utils import Path
from transformers.testing_utils import RequestCounter
from transformers.testing_utils import StringIO
from transformers.testing_utils import SubprocessCallException
from transformers.testing_utils import TemporaryHubRepo

```

```

from transformers.testing_utils import TestCasePlus
from transformers.testing_utils import Trainer
from transformers.testing_utils import UserDict

# Functions
from transformers.testing_utils import apply_print_resets
from transformers.testing_utils import apply_skip_if_not_implemented
from transformers.testing_utils import assert_screenout
from transformers.testing_utils import backend_device_count
from transformers.testing_utils import backend_empty_cache
from transformers.testing_utils import backend_manual_seed
from transformers.testing_utils import backend_max_memory_allocated
from transformers.testing_utils import backend_memory_allocated
from transformers.testing_utils import backend_reset_max_memory_allocated
from transformers.testing_utils import backend_reset_peak_memory_stats
from transformers.testing_utils import backend_synchronize
from transformers.testing_utils import backend_torch_accelerator_module
from transformers.testing_utils import cache
from transformers.testing_utils import check_json_file_has_correct_format
from transformers.testing_utils import cleanup
from transformers.testing_utils import cmd_exists
from transformers.testing_utils import compare_pipeline_output_to_hub_spec
from transformers.testing_utils import custom_tokenizers
from transformers.testing_utils import delete_repo
from transformers.testing_utils import evaluate_side_effect_factory
from transformers.testing_utils import execute_subprocess_async
from transformers.testing_utils import ExtendSysPath
from transformers.testing_utils import fields
from transformers.testing_utils import get_gpu_count
from transformers.testing_utils import get_optionflags
from transformers.testing_utils import get_steps_per_epoch
from transformers.testing_utils import get_tests_dir
from transformers.testing_utils import get_torch_dist_unique_port
from transformers.testing_utils import hub_retry
from transformers.testing_utils import import_path
from transformers.testing_utils import is_accelerate_available
from transformers.testing_utils import is_agent_test
from transformers.testing_utils import is_apex_available
from transformers.testing_utils import is_apollo_torch_available
from transformers.testing_utils import is_aqlm_available
from transformers.testing_utils import is_auto_awq_available
from transformers.testing_utils import is_auto_gptq_available
from transformers.testing_utils import is_auto_round_available
from transformers.testing_utils import is_av_available
from transformers.testing_utils import is_bitsandbytes_multi_backend_available
from transformers.testing_utils import is_bs4_available
from transformers.testing_utils import is_clearml_available
from transformers.testing_utils import is_compressed_tensors_available
from transformers.testing_utils import is_cv2_available
from transformers.testing_utils import is_cython_available
from transformers.testing_utils import is_decord_available
from transformers.testing_utils import is_deepspeed_available
from transformers.testing_utils import is_detectron2_available
from transformers.testing_utils import is_eetq_available
from transformers.testing_utils import is_essentia_available
from transformers.testing_utils import is_faiss_available
from transformers.testing_utils import is_fbgemm_gpu_available
from transformers.testing_utils import is_flaky
from transformers.testing_utils import is_flash_attn_2_available
from transformers.testing_utils import is_flax_available
from transformers.testing_utils import is_flute_available
from transformers.testing_utils import is_fp8_available

```



```
from transformers.testing_utils import is_fp_quant_available
from transformers.testing_utils import is_fsdp_available
from transformers.testing_utils import is_ftfy_available
from transformers.testing_utils import is_g2p_en_available
from transformers.testing_utils import is_galore_torch_available
from transformers.testing_utils import is_gguf_available
from transformers.testing_utils import is_gptqmodel_available
from transformers.testing_utils import is_grokadamw_available
from transformers.testing_utils import is_hadamard_available
from transformers.testing_utils import is_hqq_available
from transformers.testing_utils import is_ipex_available
from transformers.testing_utils import is_jieba_available
from transformers.testing_utils import is_jinja_available
from transformers.testing_utils import is_jumanpp_available
from transformers.testing_utils import is_keras_nlp_available
from transformers.testing_utils import is_kernels_available
from transformers.testing_utils import is_levenshtein_available
from transformers.testing_utils import is_librosa_available
from transformers.testing_utils import is_liger_kernel_available
from transformers.testing_utils import is_lomo_available
from transformers.testing_utils import is_mistral_common_available
from transformers.testing_utils import is_natten_available
from transformers.testing_utils import is_nltk_available
from transformers.testing_utils import is_onnx_available
from transformers.testing_utils import is_openai_available
from transformers.testing_utils import is_optimum_available
from transformers.testing_utils import is_optimum_quanto_available
from transformers.testing_utils import is_optuna_available
from transformers.testing_utils import is_pandas_available
from transformers.testing_utils import is_peft_available
from transformers.testing_utils import is_phonemizer_available
from transformers.testing_utils import is_pipeline_test
from transformers.testing_utils import is_pretty_midi_available
from transformers.testing_utils import is_psutil_available
from transformers.testing_utils import is_pyctcdecode_available
from transformers.testing_utils import is_pytest_available
from transformers.testing_utils import is_pytorch_quantization_available
from transformers.testing_utils import is_quark_available
from transformers.testing_utils import is_qutlass_available
from transformers.testing_utils import is_ray_available
from transformers.testing_utils import is_rjieba_available
from transformers.testing_utils import is_sacremoses_available
from transformers.testing_utils import is_safetensors_available
from transformers.testing_utils import is_schedulefree_available
from transformers.testing_utils import is_scipy_available
from transformers.testing_utils import is_sentencepiece_available
from transformers.testing_utils import is_seqio_available
from transformers.testing_utils import is_sigopt_available
from transformers.testing_utils import is_spacy_available
from transformers.testing_utils import is_speech_available
from transformers.testing_utils import is_spqr_available
from transformers.testing_utils import is_staging_test
from transformers.testing_utils import is_sudachi_available
from transformers.testing_utils import is_sudachi_projection_available
from transformers.testing_utils import is_swanlab_available
from transformers.testing_utils import is_tensorboard_available
from transformers.testing_utils import is_tensorflow_probability_available
from transformers.testing_utils import is_tensorflow_text_available
from transformers.testing_utils import is_tf2onnx_available
from transformers.testing_utils import is_tf_available
from transformers.testing_utils import is_tiktoken_available
```

```
from transformers.testing_utils import is_timm_available
from transformers.testing_utils import is_tokenizers_available
from transformers.testing_utils import is_torch_available
from transformers.testing_utils import is_torch_bf16_gpu_available
from transformers.testing_utils import is_torch_optimi_available
from transformers.testing_utils import is_torch_sdpa_available
from transformers.testing_utils import is_torch_tensorrt_fx_available
from transformers.testing_utils import is_torch_tf32_available
from transformers.testing_utils import is_torchao_available
from transformers.testing_utils import is_torchaudio_available
from transformers.testing_utils import is_torchcodec_available
from transformers.testing_utils import is_torchdynamo_available
from transformers.testing_utils import is_torchvision_available
from transformers.testing_utils import is_trackio_available
from transformers.testing_utils import is_triton_available
from transformers.testing_utils import is_vptq_available
from transformers.testing_utils import is_wandb_available
from transformers.testing_utils import LoggingLevel
from transformers.testing_utils import mockenv
from transformers.testing_utils import mockenv_context
from transformers.testing_utils import nested_simplify
from transformers.testing_utils import parse_flag_from_env
from transformers.testing_utils import parse_int_from_env
from transformers.testing_utils import patch
from transformers.testing_utils import preprocess_string
from transformers.testing_utils import pytest_addoption_shared
from transformers.testing_utils import pytest_terminal_summary_main
from transformers.testing_utils import pytest_xdist_worker_id
from transformers.testing_utils import require_accelerate
from transformers.testing_utils import require_apex
from transformers.testing_utils import require_apollo_torch
from transformers.testing_utils import require_aqlm
from transformers.testing_utils import require_auto_awq
from transformers.testing_utils import require_auto_round
from transformers.testing_utils import require_av
from transformers.testing_utils import require_bitsandbytes
from transformers.testing_utils import require_bs4
from transformers.testing_utils import require_clearml
from transformers.testing_utils import require_compressed_tensors
from transformers.testing_utils import require_cv2
from transformers.testing_utils import require_cython
from transformers.testing_utils import require_decord
from transformers.testing_utils import require_deepspeed
from transformers.testing_utils import require_detectron2
from transformers.testing_utils import require_deterministic_for_xpu
from transformers.testing_utils import require_eetq
from transformers.testing_utils import require_essentia
from transformers.testing_utils import require_faiss
from transformers.testing_utils import require_fbgemm_gpu
from transformers.testing_utils import require_flash_attn
from transformers.testing_utils import require_flash_attn_3
from transformers.testing_utils import require_flax
from transformers.testing_utils import require_flute_hadamard
from transformers.testing_utils import require_fp8
from transformers.testing_utils import require_fp_quant
from transformers.testing_utils import require_fsdp
from transformers.testing_utils import require_ftfy
from transformers.testing_utils import require_g2p_en
from transformers.testing_utils import require_galore_torch
from transformers.testing_utils import require_gguf
from transformers.testing_utils import require_gptq
from transformers.testing_utils import require_grokadamw
```

```
from transformers.testing_utils import require_hqq
from transformers.testing_utils import require_huggingface_hub_greater_or_equal
from transformers.testing_utils import require_intel_extension_for_pytorch
from transformers.testing_utils import require_jieba
from transformers.testing_utils import require_jinja
from transformers.testing_utils import require_jumanpp
from transformers.testing_utils import require_keras_nlp
from transformers.testing_utils import require_kernels
from transformers.testing_utils import require_large_cpu_ram
from transformers.testing_utils import require_levenshtein
from transformers.testing_utils import require_librosa
from transformers.testing_utils import require_liger_kernel
from transformers.testing_utils import require_lomo
from transformers.testing_utils import require_mistral_common
from transformers.testing_utils import require_natten
from transformers.testing_utils import require_nltk
from transformers.testing_utils import require_non_hpu
from transformers.testing_utils import require_non_xpu
from transformers.testing_utils import require_onnx
from transformers.testing_utils import require_openai
from transformers.testing_utils import require_optimum
from transformers.testing_utils import require_optimum_quanto
from transformers.testing_utils import require_optuna
from transformers.testing_utils import require_pandas
from transformers.testing_utils import require_peft
from transformers.testing_utils import require_phonemizer
from transformers.testing_utils import require_pretty_midi
from transformers.testing_utils import require_pyctcdecode
from transformers.testing_utils import require_pytest
from transformers.testing_utils import require_pytorch_quantization
from transformers.testing_utils import require_quark
from transformers.testing_utils import require_qutlass
from transformers.testing_utils import require_ray
from transformers.testing_utils import require_read_token
from transformers.testing_utils import require_rjieba
from transformers.testing_utils import require_sacremoses
from transformers.testing_utils import require_safetensors
from transformers.testing_utils import require_schedulefree
from transformers.testing_utils import require_scipy
from transformers.testing_utils import require_sentencepiece
from transformers.testing_utils import require_seqio
from transformers.testing_utils import require_sigopt
from transformers.testing_utils import require_spacy
from transformers.testing_utils import require_speech
from transformers.testing_utils import require_spqr
from transformers.testing_utils import require_sudachi
from transformers.testing_utils import require_sudachi_projection
from transformers.testing_utils import require_swanlab
from transformers.testing_utils import require_tensorboard
from transformers.testing_utils import require_tensorflow_probability
from transformers.testing_utils import require_tensorflow_text
from transformers.testing_utils import require_tf
from transformers.testing_utils import require_tf2onnx
from transformers.testing_utils import require_tiktoken
from transformers.testing_utils import require_timm
from transformers.testing_utils import require_tokenizers
from transformers.testing_utils import require_torch
from transformers.testing_utils import require_torch_accelerator
from transformers.testing_utils import require_torch_bf16
from transformers.testing_utils import require_torch_bf16_gpu
from transformers.testing_utils import require_torch_fp16
from transformers.testing_utils import require_torch_gpu
```

```

from transformers.testing_utils import require_torch_gpu_if_bnb_not_multi_backend_enabled
from transformers.testing_utils import require_torch_greater_or_equal
from transformers.testing_utils import require_torch_large_accelerator
from transformers.testing_utils import require_torch_large_gpu
from transformers.testing_utils import require_torch_mps
from transformers.testing_utils import require_torch_multi_accelerator
from transformers.testing_utils import require_torch_multi_gpu
from transformers.testing_utils import require_torch_multi_hpu
from transformers.testing_utils import require_torch_multi_npu
from transformers.testing_utils import require_torch_multi_xpu
from transformers.testing_utils import require_torch_neuroncore
from transformers.testing_utils import require_torch_non_multi_accelerator
from transformers.testing_utils import require_torch_non_multi_gpu
from transformers.testing_utils import require_torch_npu
from transformers.testing_utils import require_torch_optimi
from transformers.testing_utils import require_torch_or_tf
from transformers.testing_utils import require_torch_sdpa
from transformers.testing_utils import require_torch_tensorrt_fx
from transformers.testing_utils import require_torch_tf32
from transformers.testing_utils import require_torch_up_to_2_accelerators
from transformers.testing_utils import require_torch_up_to_2_gpus
from transformers.testing_utils import require_torch_xla
from transformers.testing_utils import require_torch_xpu
from transformers.testing_utils import require_torchao
from transformers.testing_utils import require_torchao_version_greater_or_equal
from transformers.testing_utils import require_torchaudio
from transformers.testing_utils import require_torchcodec
from transformers.testing_utils import require_torchdynamo
from transformers.testing_utils import require_torchvision
from transformers.testing_utils import require_trackio
from transformers.testing_utils import require_triton
from transformers.testing_utils import require_usr_bin_time
from transformers.testing_utils import require_vision
from transformers.testing_utils import require_vptq
from transformers.testing_utils import require_wandb
from transformers.testing_utils import run_command
from transformers.testing_utils import run_first
from transformers.testing_utils import run_test_in_subprocess
from transformers.testing_utils import run_test_using_subprocess
from transformers.testing_utils import set_config_for_less_flaky_test
from transformers.testing_utils import set_model_for_less_flaky_test
from transformers.testing_utils import set_model_tester_for_less_flaky_test
from transformers.testing_utils import skip
from transformers.testing_utils import skip_if_not_implemented
from transformers.testing_utils import slow
from transformers.testing_utils import strtobool
from transformers.testing_utils import to_2tuple
from transformers.testing_utils import tooslow
from transformers.testing_utils import torchrun
from transformers.testing_utils import unpack_device_properties
from transformers.testing_utils import wraps

```

Sentinels / Constants / Objects

```

from transformers.testing_utils import ACCELERATE_MIN_VERSION
from transformers.testing_utils import BACKEND_DEVICE_COUNT
from transformers.testing_utils import BACKEND_EMPTY_CACHE
from transformers.testing_utils import BACKEND_MANUAL_SEED
from transformers.testing_utils import BACKEND_MAX_MEMORY_ALLOCATED
from transformers.testing_utils import BACKEND_MEMORY_ALLOCATED
from transformers.testing_utils import BACKEND_RESET_MAX_MEMORY_ALLOCATED
from transformers.testing_utils import BACKEND_RESET_PEAK_MEMORY_STATS
from transformers.testing_utils import BACKEND_SYNCHRONIZE

```

```

from transformers.testing_utils import BACKEND_TORCH_ACCELERATOR_MODULE
from transformers.testing_utils import Callable
from transformers.testing_utils import DeviceProperties
from transformers.testing_utils import DUMMY_DIFF_TOKENIZER_IDENTIFIER
from transformers.testing_utils import DUMMY_UNKNOWN_IDENTIFIER
from transformers.testing_utils import ENDPOINT_STAGING
from transformers.testing_utils import get_device_properties
from transformers.testing_utils import GGUF_MIN_VERSION
from transformers.testing_utils import is_bitsandbytes_available
from transformers.testing_utils import IS_CUDA_SYSTEM
from transformers.testing_utils import is_flash_attn_3_available
from transformers.testing_utils import is_huggingface_hub_greater_or_equal
from transformers.testing_utils import IS_ROCM_SYSTEM
from transformers.testing_utils import is_torch_bf16_available_on_device
from transformers.testing_utils import is_torch_fp16_available_on_device
from transformers.testing_utils import is_torch_greater_or_equal
from transformers.testing_utils import is_torch_hpu_available
from transformers.testing_utils import is_torch_mlu_available
from transformers.testing_utils import is_torch_neuroncore_available
from transformers.testing_utils import is_torch_npu_available
from transformers.testing_utils import is_torch_xla_available
from transformers.testing_utils import is_torch_xpu_available
from transformers.testing_utils import is_vision_available
from transformers.testing_utils import IS_XPU_SYSTEM
from transformers.testing_utils import jax_device
from transformers.testing_utils import logger
from transformers.testing_utils import MISSING
from transformers.testing_utils import Optional
from transformers.testing_utils import PackedDeviceProperties
from transformers.testing_utils import pytest_opt_registered
from transformers.testing_utils import SMALL_MODEL_IDENTIFIER
from transformers.testing_utils import TOKEN
from transformers.testing_utils import torch_device
from transformers.testing_utils import TRITON_MIN_VERSION
from transformers.testing_utils import Union
from transformers.testing_utils import USER

```

transformers.tf_utils

Classes

```

[
    BatchEncoding,
    BatchFeature
]

```

Functions

```

[
    check_embeddings_within_bounds,
    convert_batch_encoding,
    expand_ld,
    flatten,
    functional_layernorm,
    invert_attention_mask,
    load_attributes_from_hdf5_group,
    save_attributes_to_hdf5_group,
    scaled_dot_product_attention,
    shape_list,
    stable_softmax
]

```

Sentinels / Constants / Objects

```

[
    logger,
    Optional,
]

```

```

    Union
]
Import statements
from transformers.tf_utils import BatchEncoding
from transformers.tf_utils import BatchFeature

# Functions
from transformers.tf_utils import check_embeddings_within_bounds
from transformers.tf_utils import convert_batch_encoding
from transformers.tf_utils import expand_ld
from transformers.tf_utils import flatten
from transformers.tf_utils import functional_layernorm
from transformers.tf_utils import invert_attention_mask
from transformers.tf_utils import load_attributes_from_hdf5_group
from transformers.tf_utils import save_attributes_to_hdf5_group
from transformers.tf_utils import scaled_dot_product_attention
from transformers.tf_utils import shape_list
from transformers.tf_utils import stable_softmax

# Sentinels / Constants / Objects
from transformers.tf_utils import logger
from transformers.tf_utils import Optional
from transformers.tf_utils import Union

```

transformers.time_series_utils

Classes

```

[
    AffineTransform,
    AffineTransformed,
    Distribution,
    DistributionOutput,
    Independent,
    LambdaLayer,
    NegativeBinomial,
    NegativeBinomialOutput,
    Normal,
    NormalOutput,
    ParameterProjection,
    StudentT,
    StudentTOutput,
    TransformedDistribution
]

```

Functions

```

[]

```

Sentinels / Constants / Objects

```

[
    Callable,
    Optional
]

```

Import statements

```

from transformers.time_series_utils import AffineTransform
from transformers.time_series_utils import AffineTransformed
from transformers.time_series_utils import Distribution
from transformers.time_series_utils import DistributionOutput
from transformers.time_series_utils import Independent
from transformers.time_series_utils import LambdaLayer
from transformers.time_series_utils import NegativeBinomial
from transformers.time_series_utils import NegativeBinomialOutput
from transformers.time_series_utils import Normal
from transformers.time_series_utils import NormalOutput
from transformers.time_series_utils import ParameterProjection

```

```

from transformers.time_series_utils import StudentT
from transformers.time_series_utils import StudentTOutput
from transformers.time_series_utils import TransformedDistribution

# Functions
(none)

# Sentinels / Constants / Objects
from transformers.time_series_utils import Callable
from transformers.time_series_utils import Optional

```

transformers.tokenization_mistral_common

Classes

```
[ ]
```

Functions

```
[ ]
```

Sentinels / Constants / Objects

```
[ ]
```

Import statements

```
(none)
```

Functions

```
(none)
```

Sentinels / Constants / Objects

```
(none)
```

transformers.tokenization_utils

Classes

```
[
    AddedToken,
    Any,
    BatchEncoding,
    ExtensionsTrie,
    OrderedDict,
    PaddingStrategy,
    PreTrainedTokenizer,
    PreTrainedTokenizerBase,
    TensorType,
    TextInput,
    Trie,
    TruncationStrategy
]
```

Functions

```
[
    add_end_docstrings,
    overload
]
```

Sentinels / Constants / Objects

```
[
    ADDED_TOKENS_FILE,
    ENCODE_KWARGS_DOCSTRING,
    ENCODE_PLUS_ADDITIONAL_KWARGS_DOCSTRING,
    EncodedInput,
    EncodedInputPair,
    INIT_TOKENIZER_DOCSTRING,
    logger,
    Optional,
    PreTokenizedInput,
    PreTokenizedInputPair,
]
```

```

    SPECIAL_TOKENS_MAP_FILE,
    TextInputPair,
    TOKENIZER_CONFIG_FILE,
    Union
]
Import statements
from transformers.tokenization_utils import AddedToken
from transformers.tokenization_utils import Any
from transformers.tokenization_utils import BatchEncoding
from transformers.tokenization_utils import ExtensionsTrie
from transformers.tokenization_utils import OrderedDict
from transformers.tokenization_utils import PaddingStrategy
from transformers.tokenization_utils import PreTrainedTokenizer
from transformers.tokenization_utils import PreTrainedTokenizerBase
from transformers.tokenization_utils import TensorType
from transformers.tokenization_utils import TextInput
from transformers.tokenization_utils import Trie
from transformers.tokenization_utils import TruncationStrategy

# Functions
from transformers.tokenization_utils import add_end_docstrings
from transformers.tokenization_utils import overload

# Sentinels / Constants / Objects
from transformers.tokenization_utils import ADDED_TOKENS_FILE
from transformers.tokenization_utils import ENCODE_KWARGS_DOCSTRING
from transformers.tokenization_utils import ENCODE_PLUS_ADDITIONAL_KWARGS_DOCSTRING
from transformers.tokenization_utils import EncodedInput
from transformers.tokenization_utils import EncodedInputPair
from transformers.tokenization_utils import INIT_TOKENIZER_DOCSTRING
from transformers.tokenization_utils import logger
from transformers.tokenization_utils import Optional
from transformers.tokenization_utils import PreTokenizedInput
from transformers.tokenization_utils import PreTokenizedInputPair
from transformers.tokenization_utils import SPECIAL_TOKENS_MAP_FILE
from transformers.tokenization_utils import TextInputPair
from transformers.tokenization_utils import TOKENIZER_CONFIG_FILE
from transformers.tokenization_utils import Union

```

transformers.tokenization_utils_base

Classes

```

[
    AddedToken,
    Any,
    BatchEncoding,
    CharSpan,
    EncodingFast,
    ExplicitEnum,
    Mapping,
    PaddingStrategy,
    Path,
    PreTrainedTokenizerBase,
    PushToHubMixin,
    Sequence,
    Sized,
    SpecialTokensMixin,
    TensorType,
    TextInput,
    TokenSpan,
    TruncationStrategy,
    UserDict
]

```



```
]
```

Functions

```
[
```

```
    add_end_docstrings,  
    cached_file,  
    contextmanager,  
    copy_func,  
    custom_object_save,  
    dataclass,  
    download_url,  
    extract_commit_hash,  
    get_fast_tokenizer_file,  
    import_protobuf_decode_error,  
    is_flax_available,  
    is_jax_tensor,  
    is_mlx_available,  
    is_numpy_array,  
    is_offline_mode,  
    is_protobuf_available,  
    is_remote_url,  
    is_tf_available,  
    is_tf_tensor,  
    is_tokenizers_available,  
    is_torch_available,  
    is_torch_device,  
    is_torch_tensor,  
    list_repo_templates,  
    NamedTuple,  
    render_jinja_template,  
    requires_backends,  
    to_py_obj
```

```
]
```

Sentinels / Constants / Objects

```
[
```

```
    ADDED_TOKENS_FILE,  
    AudioInput,  
    Callable,  
    CHAT_TEMPLATE_DIR,  
    CHAT_TEMPLATE_FILE,  
    ENCODE_KWARGS_DOCSTRING,  
    ENCODE_PLUS_ADDITIONAL_KWARGS_DOCSTRING,  
    EncodedInput,  
    EncodedInputPair,  
    FULL_TOKENIZER_FILE,  
    INIT_TOKENIZER_DOCSTRING,  
    LARGE_INTEGER,  
    logger,  
    Optional,  
    PreTokenizedInput,  
    PreTokenizedInputPair,  
    PROTOBUF_IMPORT_ERROR,  
    SPECIAL_TOKENS_MAP_FILE,  
    TextInputPair,  
    TOKENIZER_CONFIG_FILE,  
    TYPE_CHECKING,  
    Union,  
    VERY_LARGE_INTEGER
```

```
]
```

Import statements

```
from transformers.tokenization_utils_base import AddedToken  
from transformers.tokenization_utils_base import Any  
from transformers.tokenization_utils_base import BatchEncoding
```

```

from transformers.tokenization_utils_base import CharSpan
from transformers.tokenization_utils_base import EncodingFast
from transformers.tokenization_utils_base import ExplicitEnum
from transformers.tokenization_utils_base import Mapping
from transformers.tokenization_utils_base import PaddingStrategy
from transformers.tokenization_utils_base import Path
from transformers.tokenization_utils_base import PreTrainedTokenizerBase
from transformers.tokenization_utils_base import PushToHubMixin
from transformers.tokenization_utils_base import Sequence
from transformers.tokenization_utils_base import Sized
from transformers.tokenization_utils_base import SpecialTokensMixin
from transformers.tokenization_utils_base import TensorType
from transformers.tokenization_utils_base import TextInput
from transformers.tokenization_utils_base import TokenSpan
from transformers.tokenization_utils_base import TruncationStrategy
from transformers.tokenization_utils_base import UserDict

# Functions
from transformers.tokenization_utils_base import add_end_docstrings
from transformers.tokenization_utils_base import cached_file
from transformers.tokenization_utils_base import contextmanager
from transformers.tokenization_utils_base import copy_func
from transformers.tokenization_utils_base import custom_object_save
from transformers.tokenization_utils_base import dataclass
from transformers.tokenization_utils_base import download_url
from transformers.tokenization_utils_base import extract_commit_hash
from transformers.tokenization_utils_base import get_fast_tokenizer_file
from transformers.tokenization_utils_base import import_protobuf_decode_error
from transformers.tokenization_utils_base import is_flax_available
from transformers.tokenization_utils_base import is_jax_tensor
from transformers.tokenization_utils_base import is_mlx_available
from transformers.tokenization_utils_base import is_numpy_array
from transformers.tokenization_utils_base import is_offline_mode
from transformers.tokenization_utils_base import is_protobuf_available
from transformers.tokenization_utils_base import is_remote_url
from transformers.tokenization_utils_base import is_tf_available
from transformers.tokenization_utils_base import is_tf_tensor
from transformers.tokenization_utils_base import is_tokenizers_available
from transformers.tokenization_utils_base import is_torch_available
from transformers.tokenization_utils_base import is_torch_device
from transformers.tokenization_utils_base import is_torch_tensor
from transformers.tokenization_utils_base import list_repo_templates
from transformers.tokenization_utils_base import NamedTuple
from transformers.tokenization_utils_base import render_jinja_template
from transformers.tokenization_utils_base import requires_backends
from transformers.tokenization_utils_base import to_py_obj

# Sentinels / Constants / Objects
from transformers.tokenization_utils_base import ADDED_TOKENS_FILE
from transformers.tokenization_utils_base import AudioInput
from transformers.tokenization_utils_base import Callable
from transformers.tokenization_utils_base import CHAT_TEMPLATE_DIR
from transformers.tokenization_utils_base import CHAT_TEMPLATE_FILE
from transformers.tokenization_utils_base import ENCODE_KWARGS_DOCSTRING
from transformers.tokenization_utils_base import ENCODE_PLUS_ADDITIONAL_KWARGS_DOCSTRING
from transformers.tokenization_utils_base import EncodedInput
from transformers.tokenization_utils_base import EncodedInputPair
from transformers.tokenization_utils_base import FULL_TOKENIZER_FILE
from transformers.tokenization_utils_base import INIT_TOKENIZER_DOCSTRING
from transformers.tokenization_utils_base import LARGE_INTEGER
from transformers.tokenization_utils_base import logger
from transformers.tokenization_utils_base import Optional

```

```

from transformers.tokenization_utils_base import PreTokenizedInput
from transformers.tokenization_utils_base import PreTokenizedInputPair
from transformers.tokenization_utils_base import PROTOBUF_IMPORT_ERROR
from transformers.tokenization_utils_base import SPECIAL_TOKENS_MAP_FILE
from transformers.tokenization_utils_base import TextInputPair
from transformers.tokenization_utils_base import TOKENIZER_CONFIG_FILE
from transformers.tokenization_utils_base import TYPE_CHECKING
from transformers.tokenization_utils_base import Union
from transformers.tokenization_utils_base import VERY_LARGE_INTEGER

```

transformers.tokenization_utils_fast

Classes

```

[
    AddedToken,
    Any,
    BatchEncoding,
    BpeTrainer,
    DecoderFast,
    defaultdict,
    EncodingFast,
    Iterable,
    PaddingStrategy,
    PreTrainedTokenizer,
    PreTrainedTokenizerBase,
    PreTrainedTokenizerFast,
    SpecialTokensMixin,
    TextInput,
    TokenizerFast,
    TruncationStrategy,
    UnigramTrainer,
    WordLevelTrainer,
    WordPieceTrainer
]

```

Functions

```

[
    add_end_docstrings,
    convert_gguf_tokenizer,
    convert_slow_tokenizer,
    load_gguf_checkpoint
]

```

Sentinels / Constants / Objects

```

[
    ADDED_TOKENS_FILE,
    INIT_TOKENIZER_DOCSTRING,
    logger,
    MODEL_TO_TRAINER_MAPPING,
    Optional,
    PreTokenizedInput,
    PreTokenizedInputPair,
    SPECIAL_TOKENS_MAP_FILE,
    TextInputPair,
    TIKTOKEN_VOCAB_FILE,
    TOKENIZER_CONFIG_FILE,
    TOKENIZER_FILE,
    Union,
    VOCAB_FILES_NAMES
]

```

Import statements

```

from transformers.tokenization_utils_fast import AddedToken
from transformers.tokenization_utils_fast import Any
from transformers.tokenization_utils_fast import BatchEncoding

```

```

from transformers.tokenization_utils_fast import BpeTrainer
from transformers.tokenization_utils_fast import DecoderFast
from transformers.tokenization_utils_fast import defaultdict
from transformers.tokenization_utils_fast import EncodingFast
from transformers.tokenization_utils_fast import Iterable
from transformers.tokenization_utils_fast import PaddingStrategy
from transformers.tokenization_utils_fast import PreTrainedTokenizer
from transformers.tokenization_utils_fast import PreTrainedTokenizerBase
from transformers.tokenization_utils_fast import PreTrainedTokenizerFast
from transformers.tokenization_utils_fast import SpecialTokensMixin
from transformers.tokenization_utils_fast import TextInput
from transformers.tokenization_utils_fast import TokenizerFast
from transformers.tokenization_utils_fast import TruncationStrategy
from transformers.tokenization_utils_fast import UnigramTrainer
from transformers.tokenization_utils_fast import WordLevelTrainer
from transformers.tokenization_utils_fast import WordPieceTrainer

# Functions
from transformers.tokenization_utils_fast import add_end_docstrings
from transformers.tokenization_utils_fast import convert_gguf_tokenizer
from transformers.tokenization_utils_fast import convert_slow_tokenizer
from transformers.tokenization_utils_fast import load_gguf_checkpoint

# Sentinels / Constants / Objects
from transformers.tokenization_utils_fast import ADDED_TOKENS_FILE
from transformers.tokenization_utils_fast import INIT_TOKENIZER_DOCSTRING
from transformers.tokenization_utils_fast import logger
from transformers.tokenization_utils_fast import MODEL_TO_TRAINER_MAPPING
from transformers.tokenization_utils_fast import Optional
from transformers.tokenization_utils_fast import PreTokenizedInput
from transformers.tokenization_utils_fast import PreTokenizedInputPair
from transformers.tokenization_utils_fast import SPECIAL_TOKENS_MAP_FILE
from transformers.tokenization_utils_fast import TextInputPair
from transformers.tokenization_utils_fast import TIKTOKEN_VOCAB_FILE
from transformers.tokenization_utils_fast import TOKENIZER_CONFIG_FILE
from transformers.tokenization_utils_fast import TOKENIZER_FILE
from transformers.tokenization_utils_fast import Union
from transformers.tokenization_utils_fast import VOCAB_FILES_NAMES

```

transformers.trainer

Classes

```

[
    Accelerator,
    AcceleratorState,
    Adafactor,
    Any,
    AutocastKwargs,
    BaseImageProcessor,
    BestRun,
    CallbackHandler,
    DataCollatorWithPadding,
    DataLoader,
    DataLoaderConfiguration,
    Dataset,
    DebugOption,
    DebugUnderflowOverflow,
    DEFAULT_PROGRESS_CALLBACK,
    DefaultFlowCallback,
    DistributedDataParallelKwargs,
    DistributedTensorGatherer,
    DistributedType,

```

```
EvalLoopContainer,  
EvalLoopOutput,  
EvalPrediction,  
ExportableState,  
FeatureExtractionMixin,  
HPSearchBackend,  
HubStrategy,  
IterableDataset,  
IterableDatasetShard,  
Iterator,  
LabelSmoother,  
LayerWiseDummyOptimizer,  
LengthGroupedSampler,  
Mapping,  
ModelCard,  
NotebookProgressCallback,  
OptimizerNames,  
ParallelMode,  
partial,  
Path,  
PeftModel,  
PredictionOutput,  
PretrainedConfig,  
PreTrainedModel,  
PreTrainedTokenizerBase,  
PrinterCallback,  
ProcessorMixin,  
ProgressCallback,  
PushInProgress,  
PushToHubMixin,  
QuantizationMethod,  
RandomSampler,  
RemoveColumnsCollator,  
SaveStrategy,  
SeedableRandomSampler,  
SequenceFeatureExtractor,  
SequentialDistributedSampler,  
SequentialSampler,  
TorchTensorParallelPlugin,  
Trainer,  
TrainerCallback,  
TrainerControl,  
TrainerMemoryTracker,  
TrainerState,  
TrainingArguments,  
TrainingSummary,  
TrainOutput
```

```
]
```

Functions

```
[  
    can_return_loss,  
    check_target_module_exists,  
    check_torch_load_is_safe,  
    create_repo,  
    deepspeed_init,  
    deepspeed_load_checkpoint,  
    default_compute_objective,  
    default_data_collator,  
    default_hp_search_backend,  
    denumpify_detensorize,  
    deprecate_kwarg,  
    distributed_broadcast_scalars,
```

```
distributed_concat,  
enable_full_determinism,  
find_batch_size,  
find_executable_batch_size,  
find_labels,  
get_last_checkpoint,  
get_model_param_count,  
get_module_class_from_name,  
get_parameter_names,  
get_reporting_integration_callbacks,  
get_scheduler,  
has_length,  
is_accelerate_available,  
is_apollo_torch_available,  
is_datasets_available,  
is_deepspeed_available,  
is_galore_torch_available,  
is_grokadamw_available,  
is_in_notebook,  
is_liger_kernel_available,  
is_lomo_available,  
is_peft_available,  
is_safetensors_available,  
is_sagemaker_dp_enabled,  
is_sagemaker_mp_enabled,  
is_schedulefree_available,  
is_torchmps_available,  
is_torch_optimi_available,  
is_torchao_available,  
load_fsdp_model,  
load_fsdp_optimizer,  
load_sharded_checkpoint,  
neptune_post_forward_hook,  
nested_concat,  
nested_detach,  
nested_numpify,  
nested_xla_mesh_reduce,  
number_of_arguments,  
reissue_pt_warnings,  
remove_dummy_checkpoint,  
requires,  
safe_globals,  
save_fsdp_model,  
save_fsdp_optimizer,  
seed_worker,  
set_rng_state_for_device,  
set_seed,  
skip_first_batches,  
speed_metrics,  
strtobool,  
tpu_spmd_data_loader,  
unwrap_model,  
upload_folder  
]
```

Sentinels / Constants / Objects

```
[  
    accelerate_version,  
    ADAPTER_CONFIG_NAME,  
    ADAPTER_SAFE_WEIGHTS_NAME,  
    ADAPTER_WEIGHTS_NAME,  
    ALL_HYPERPARAMETER_SEARCH_BACKENDS,  
    Callable,  
]
```

```

CONFIG_NAME,
DATA_SAMPLERS,
DataCollator,
DEFAULT_CALLBACKS,
FSDP_MODEL_NAME,
is_bitsandbytes_available,
IS_SAGEMAKER_MP_POST_1_10,
is_torch_greater_or_equal_than_2_3,
is_torch_hpu_available,
is_torch_mlu_available,
is_torch_musa_available,
is_torch_neuroncore_available,
is_torch_npu_available,
is_torch_xla_available,
is_torch_xpu_available,
IS_XLA_FSDPV2_POST_2_2,
logger,
MODEL_FOR_CAUSAL_LM_MAPPING_NAMES,
MODEL_MAPPING_NAMES,
OPTIMIZER_NAME,
OPTIMIZER_NAME_BIN,
Optional,
PREFIX_CHECKPOINT_DIR,
SAFE_WEIGHTS_INDEX_NAME,
SAFE_WEIGHTS_NAME,
SCALER_NAME,
SCHEDULER_NAME,
TRAINER_STATE_NAME,
TRAINING_ARGS_NAME,
TYPE_CHECKING,
Union,
WEIGHTS_INDEX_NAME,
WEIGHTS_NAME,
XLA_FSDPV2_MIN_VERSION
]

```

Import statements

```

from transformers.trainer import Accelerator
from transformers.trainer import AcceleratorState
from transformers.trainer import Adafactor
from transformers.trainer import Any
from transformers.trainer import AutocastKwargs
from transformers.trainer import BaseImageProcessor
from transformers.trainer import BestRun
from transformers.trainer import CallbackHandler
from transformers.trainer import DataCollatorWithPadding
from transformers.trainer import DataLoader
from transformers.trainer import DataLoaderConfiguration
from transformers.trainer import Dataset
from transformers.trainer import DebugOption
from transformers.trainer import DebugUnderflowOverflow
from transformers.trainer import DEFAULT_PROGRESS_CALLBACK
from transformers.trainer import DefaultFlowCallback
from transformers.trainer import DistributedDataParallelKwargs
from transformers.trainer import DistributedTensorGatherer
from transformers.trainer import DistributedType
from transformers.trainer import EvalLoopContainer
from transformers.trainer import EvalLoopOutput
from transformers.trainer import EvalPrediction
from transformers.trainer import ExportableState
from transformers.trainer import FeatureExtractionMixin
from transformers.trainer import HPSearchBackend
from transformers.trainer import HubStrategy

```

```
from transformers.trainer import IterableDataset
from transformers.trainer import IterableDatasetShard
from transformers.trainer import Iterator
from transformers.trainer import LabelSmoother
from transformers.trainer import LayerWiseDummyOptimizer
from transformers.trainer import LengthGroupedSampler
from transformers.trainer import Mapping
from transformers.trainer import ModelCard
from transformers.trainer import NotebookProgressCallback
from transformers.trainer import OptimizerNames
from transformers.trainer import ParallelMode
from transformers.trainer import partial
from transformers.trainer import Path
from transformers.trainer import PeftModel
from transformers.trainer import PredictionOutput
from transformers.trainer import PretrainedConfig
from transformers.trainer import PreTrainedModel
from transformers.trainer import PreTrainedTokenizerBase
from transformers.trainer import PrinterCallback
from transformers.trainer import ProcessorMixin
from transformers.trainer import ProgressCallback
from transformers.trainer import PushInProgress
from transformers.trainer import PushToHubMixin
from transformers.trainer import QuantizationMethod
from transformers.trainer import RandomSampler
from transformers.trainer import RemoveColumnsCollator
from transformers.trainer import SaveStrategy
from transformers.trainer import SeedableRandomSampler
from transformers.trainer import SequenceFeatureExtractor
from transformers.trainer import SequentialDistributedSampler
from transformers.trainer import SequentialSampler
from transformers.trainer import TorchTensorParallelPlugin
from transformers.trainer import Trainer
from transformers.trainer import TrainerCallback
from transformers.trainer import TrainerControl
from transformers.trainer import TrainerMemoryTracker
from transformers.trainer import TrainerState
from transformers.trainer import TrainingArguments
from transformers.trainer import TrainingSummary
from transformers.trainer import TrainOutput
```

Functions

```
from transformers.trainer import can_return_loss
from transformers.trainer import check_target_module_exists
from transformers.trainer import check_torch_load_is_safe
from transformers.trainer import create_repo
from transformers.trainer import deepspeed_init
from transformers.trainer import deepspeed_load_checkpoint
from transformers.trainer import default_compute_objective
from transformers.trainer import default_data_collator
from transformers.trainer import default_hp_search_backend
from transformers.trainer import denumpify_detensorize
from transformers.trainer import deprecate_kwarg
from transformers.trainer import distributed_broadcast_scalars
from transformers.trainer import distributed_concat
from transformers.trainer import enable_full_determinism
from transformers.trainer import find_batch_size
from transformers.trainer import find_executable_batch_size
from transformers.trainer import find_labels
from transformers.trainer import get_last_checkpoint
from transformers.trainer import get_model_param_count
from transformers.trainer import get_module_class_from_name
```



```

from transformers.trainer import get_parameter_names
from transformers.trainer import get_reporting_integration_callbacks
from transformers.trainer import get_scheduler
from transformers.trainer import has_length
from transformers.trainer import is_accelerate_available
from transformers.trainer import is_apollo_torch_available
from transformers.trainer import is_datasets_available
from transformers.trainer import is_deepspeed_available
from transformers.trainer import is_galore_torch_available
from transformers.trainer import is_grokadamw_available
from transformers.trainer import is_in_notebook
from transformers.trainer import is_liger_kernel_available
from transformers.trainer import is_lomo_available
from transformers.trainer import is_peft_available
from transformers.trainer import is_safetensors_available
from transformers.trainer import is_sagemaker_dp_enabled
from transformers.trainer import is_sagemaker_mp_enabled
from transformers.trainer import is_schedulefree_available
from transformers.trainer import is_torch_mps_available
from transformers.trainer import is_torch_optimi_available
from transformers.trainer import is_torchao_available
from transformers.trainer import load_fsdp_model
from transformers.trainer import load_fsdp_optimizer
from transformers.trainer import load_sharded_checkpoint
from transformers.trainer import NeptunePostForwardHook
from transformers.trainer import nested_concat
from transformers.trainer import nested_detach
from transformers.trainer import nested_numpify
from transformers.trainer import nested_xla_mesh_reduce
from transformers.trainer import number_of_arguments
from transformers.trainer import reissue_pt_warnings
from transformers.trainer import remove_dummy_checkpoint
from transformers.trainer import requires
from transformers.trainer import safe_globals
from transformers.trainer import save_fsdp_model
from transformers.trainer import save_fsdp_optimizer
from transformers.trainer import seed_worker
from transformers.trainer import set_rng_state_for_device
from transformers.trainer import set_seed
from transformers.trainer import skip_first_batches
from transformers.trainer import speed_metrics
from transformers.trainer import strtobool
from transformers.trainer import tpu_spmd_data_loader
from transformers.trainer import unwrap_model
from transformers.trainer import upload_folder

# Sentinels / Constants / Objects
from transformers.trainer import accelerate_version
from transformers.trainer import ADAPTER_CONFIG_NAME
from transformers.trainer import ADAPTER_SAFE_WEIGHTS_NAME
from transformers.trainer import ADAPTER_WEIGHTS_NAME
from transformers.trainer import ALL_HYPERPARAMETER_SEARCH_BACKENDS
from transformers.trainer import Callable
from transformers.trainer import CONFIG_NAME
from transformers.trainer import DATA_SAMPLERS
from transformers.trainer import DataCollator
from transformers.trainer import DEFAULT_CALLBACKS
from transformers.trainer import FSDP_MODEL_NAME
from transformers.trainer import is_bitsandbytes_available
from transformers.trainer import IS_SAGEMAKER_MP_POST_1_10
from transformers.trainer import is_torch_greater_or_equal_than_2_3
from transformers.trainer import is_torch_hpu_available

```

```

from transformers.trainer import is_torch_mlu_available
from transformers.trainer import is_torch_musa_available
from transformers.trainer import is_torch_neuroncore_available
from transformers.trainer import is_torch_npu_available
from transformers.trainer import is_torch_xla_available
from transformers.trainer import is_torch_xpu_available
from transformers.trainer import IS_XLA_FSDPV2_POST_2_2
from transformers.trainer import logger
from transformers.trainer import MODEL_FOR_CAUSAL_LM_MAPPING_NAMES
from transformers.trainer import MODEL_MAPPING_NAMES
from transformers.trainer import OPTIMIZER_NAME
from transformers.trainer import OPTIMIZER_NAME_BIN
from transformers.trainer import Optional
from transformers.trainer import PREFIX_CHECKPOINT_DIR
from transformers.trainer import SAFE_WEIGHTS_INDEX_NAME
from transformers.trainer import SAFE_WEIGHTS_NAME
from transformers.trainer import SCALER_NAME
from transformers.trainer import SCHEDULER_NAME
from transformers.trainer import TRAINER_STATE_NAME
from transformers.trainer import TRAINING_ARGS_NAME
from transformers.trainer import TYPE_CHECKING
from transformers.trainer import Union
from transformers.trainer import WEIGHTS_INDEX_NAME
from transformers.trainer import WEIGHTS_NAME
from transformers.trainer import XLA_FSDPV2_MIN_VERSION

```

transformers.trainer_callback

Classes

```

[
    CallbackHandler,
    DefaultFlowCallback,
    EarlyStoppingCallback,
    ExportableState,
    HPSearchBackend,
    IntervalStrategy,
    PrinterCallback,
    ProgressCallback,
    SaveStrategy,
    tqdm,
    TrainerCallback,
    TrainerControl,
    TrainerState,
    TrainingArguments
]

```

Functions

```

[
    dataclass,
    has_length
]

```

Sentinels / Constants / Objects

```

[
    logger,
    Optional,
    Union
]

```

Import statements

```

from transformers.trainer_callback import CallbackHandler
from transformers.trainer_callback import DefaultFlowCallback
from transformers.trainer_callback import EarlyStoppingCallback
from transformers.trainer_callback import ExportableState
from transformers.trainer_callback import HPSearchBackend

```

```

from transformers.trainer_callback import IntervalStrategy
from transformers.trainer_callback import PrinterCallback
from transformers.trainer_callback import ProgressCallback
from transformers.trainer_callback import SaveStrategy
from transformers.trainer_callback import tqdm
from transformers.trainer_callback import TrainerCallback
from transformers.trainer_callback import TrainerControl
from transformers.trainer_callback import TrainerState
from transformers.trainer_callback import TrainingArguments

# Functions
from transformers.trainer_callback import dataclass
from transformers.trainer_callback import has_length

# Sentinels / Constants / Objects
from transformers.trainer_callback import logger
from transformers.trainer_callback import Optional
from transformers.trainer_callback import Union

```

transformers.trainer_pt_utils

Classes

```

[
    AcceleratorConfig,
    Any,
    BatchEncoding,
    chain,
    Dataset,
    DistributedLengthGroupedSampler,
    DistributedSampler,
    DistributedSamplerWithLoop,
    DistributedTensorGatherer,
    EvalLoopContainer,
    IterableDataset,
    IterableDatasetShard,
    Iterator,
    LabelSmoother,
    LayerWiseDummyOptimizer,
    LayerWiseDummyScheduler,
    LengthGroupedSampler,
    LRScheduler,
    Mapping,
    RandomSampler,
    Sampler,
    SequentialDistributedSampler,
    ShardSampler,
    StreamHandler
]

```

Functions

```

[
    atleast_1d,
    contextmanager,
    dataclass,
    distributed_broadcast_scalars,
    distributed_concat,
    expand_like,
    field,
    find_batch_size,
    get_dataloader_sampler,
    get_length_grouped_indices,
    get_model_param_count,
    get_module_class_from_name,

```

```

get_parameter_names,
get_tpu_sampler,
is_deepspeed_zero3_enabled,
is_sagemaker_mp_enabled,
is_torch_available,
is_training_run_on_sagemaker,
log_metrics,
metrics_format,
nested_concat,
nested_detach,
nested_new_like,
nested_numpify,
nested_truncate,
nested_xla_mesh_reduce,
numpy_pad_and_concatenate,
reissue_pt_warnings,
remove_dummy_checkpoint,
save_metrics,
save_state,
set_rng_state_for_device,
torch_distributed_zero_first,
torch_pad_and_concatenate
]

```

Sentinels / Constants / Objects

```

[
    is_torch_xla_available,
    logger,
    Optional,
    Union
]

```

Import statements

```

from transformers.trainer_pt_utils import AcceleratorConfig
from transformers.trainer_pt_utils import Any
from transformers.trainer_pt_utils import BatchEncoding
from transformers.trainer_pt_utils import chain
from transformers.trainer_pt_utils import Dataset
from transformers.trainer_pt_utils import DistributedLengthGroupedSampler
from transformers.trainer_pt_utils import DistributedSampler
from transformers.trainer_pt_utils import DistributedSamplerWithLoop
from transformers.trainer_pt_utils import DistributedTensorGatherer
from transformers.trainer_pt_utils import EvalLoopContainer
from transformers.trainer_pt_utils import IterableDataset
from transformers.trainer_pt_utils import IterableDatasetShard
from transformers.trainer_pt_utils import Iterator
from transformers.trainer_pt_utils import LabelSmoother
from transformers.trainer_pt_utils import LayerWiseDummyOptimizer
from transformers.trainer_pt_utils import LayerWiseDummyScheduler
from transformers.trainer_pt_utils import LengthGroupedSampler
from transformers.trainer_pt_utils import LRScheduler
from transformers.trainer_pt_utils import Mapping
from transformers.trainer_pt_utils import RandomSampler
from transformers.trainer_pt_utils import Sampler
from transformers.trainer_pt_utils import SequentialDistributedSampler
from transformers.trainer_pt_utils import ShardSampler
from transformers.trainer_pt_utils import StreamHandler

```

Functions

```

from transformers.trainer_pt_utils import atleast_1d
from transformers.trainer_pt_utils import contextmanager
from transformers.trainer_pt_utils import dataclass
from transformers.trainer_pt_utils import distributed_broadcast_scalars
from transformers.trainer_pt_utils import distributed_concat

```

```

from transformers.trainer_pt_utils import expand_like
from transformers.trainer_pt_utils import field
from transformers.trainer_pt_utils import find_batch_size
from transformers.trainer_pt_utils import get_dataloader_sampler
from transformers.trainer_pt_utils import get_length_grouped_indices
from transformers.trainer_pt_utils import get_model_param_count
from transformers.trainer_pt_utils import get_module_class_from_name
from transformers.trainer_pt_utils import get_parameter_names
from transformers.trainer_pt_utils import get_tpu_sampler
from transformers.trainer_pt_utils import is_deepspeed_zero3_enabled
from transformers.trainer_pt_utils import is_sagemaker_mp_enabled
from transformers.trainer_pt_utils import is_torch_available
from transformers.trainer_pt_utils import is_training_run_on_sagemaker
from transformers.trainer_pt_utils import log_metrics
from transformers.trainer_pt_utils import metrics_format
from transformers.trainer_pt_utils import nested_concat
from transformers.trainer_pt_utils import nested_detach
from transformers.trainer_pt_utils import nested_new_like
from transformers.trainer_pt_utils import nested_numpyify
from transformers.trainer_pt_utils import nested_truncate
from transformers.trainer_pt_utils import nested_xla_mesh_reduce
from transformers.trainer_pt_utils import numpy_pad_and_concatenate
from transformers.trainer_pt_utils import reissue_pt_warnings
from transformers.trainer_pt_utils import remove_dummy_checkpoint
from transformers.trainer_pt_utils import save_metrics
from transformers.trainer_pt_utils import save_state
from transformers.trainer_pt_utils import set_rng_state_for_device
from transformers.trainer_pt_utils import torch_distributed_zero_first
from transformers.trainer_pt_utils import torch_pad_and_concatenate

# Sentinels / Constants / Objects
from transformers.trainer_pt_utils import is_torch_xla_available
from transformers.trainer_pt_utils import logger
from transformers.trainer_pt_utils import Optional
from transformers.trainer_pt_utils import Union

```

transformers.trainer_seq2seq

Classes

```

[
    Any,
    Dataset,
    FullyShardedDataParallel,
    GenerationConfig,
    Path,
    Seq2SeqTrainer,
    Trainer
]

```

Functions

```

[
    deepcopy,
    deprecate_kwarg,
    is_datasets_available,
    is_deepspeed_zero3_enabled,
    is_fsdp_managed_module
]

```

Sentinels / Constants / Objects

```

[
    Callable,
    logger,
    Optional,
    TYPE_CHECKING,
]

```

```

    Union
]
Import statements
from transformers.trainer_seq2seq import Any
from transformers.trainer_seq2seq import Dataset
from transformers.trainer_seq2seq import FullyShardedDataParallel
from transformers.trainer_seq2seq import GenerationConfig
from transformers.trainer_seq2seq import Path
from transformers.trainer_seq2seq import Seq2SeqTrainer
from transformers.trainer_seq2seq import Trainer

# Functions
from transformers.trainer_seq2seq import deepcopy
from transformers.trainer_seq2seq import deprecate_kwarg
from transformers.trainer_seq2seq import is_datasets_available
from transformers.trainer_seq2seq import is_deepspeed_zero3_enabled
from transformers.trainer_seq2seq import is_fsdp_managed_module

# Sentinels / Constants / Objects
from transformers.trainer_seq2seq import Callable
from transformers.trainer_seq2seq import logger
from transformers.trainer_seq2seq import Optional
from transformers.trainer_seq2seq import TYPE_CHECKING
from transformers.trainer_seq2seq import Union

```

transformers.trainer_utils

Classes

```

[
    Any,
    BestRun,
    EvalLoopOutput,
    EvalPrediction,
    EvaluationStrategy,
    ExplicitEnum,
    FSDPOption,
    HPSearchBackend,
    HubStrategy,
    IntervalStrategy,
    PredictionOutput,
    RemoveColumnsCollator,
    SaveStrategy,
    SchedulerType,
    TrainerMemoryTracker,
    TrainOutput
]

```

Functions

```

[
    check_target_module_exists,
    default_compute_objective,
    default_hp_space_optuna,
    default_hp_space_ray,
    default_hp_space_sigopt,
    default_hp_space_wandb,
    denumpify_detensorize,
    enable_full_determinism,
    find_executable_batch_size,
    get_last_checkpoint,
    has_length,
    is_main_process,
    is_psutil_available,
    is_tf_available,

```

```

is_torch_available,
is_torch_cuda_available,
is_torch_mps_available,
NamedTuple,
neptune_post_forward_hook,
number_of_arguments,
requires_backends,
seed_worker,
set_seed,
speed_metrics,
total_processes_number
]

```

Sentinels / Constants / Objects

```

[
    is_torch_hpu_available,
    is_torch_mlu_available,
    is_torch_musa_available,
    is_torch_npu_available,
    is_torch_xla_available,
    is_torch_xpu_available,
    Optional,
    PREFIX_CHECKPOINT_DIR,
    Union
]

```

Import statements

```

from transformers.trainer_utils import Any
from transformers.trainer_utils import BestRun
from transformers.trainer_utils import EvalLoopOutput
from transformers.trainer_utils import EvalPrediction
from transformers.trainer_utils import EvaluationStrategy
from transformers.trainer_utils import ExplicitEnum
from transformers.trainer_utils import FSDPOption
from transformers.trainer_utils import HPSearchBackend
from transformers.trainer_utils import HubStrategy
from transformers.trainer_utils import IntervalStrategy
from transformers.trainer_utils import PredictionOutput
from transformers.trainer_utils import RemoveColumnsCollator
from transformers.trainer_utils import SaveStrategy
from transformers.trainer_utils import SchedulerType
from transformers.trainer_utils import TrainerMemoryTracker
from transformers.trainer_utils import TrainOutput

```

Functions

```

from transformers.trainer_utils import check_target_module_exists
from transformers.trainer_utils import default_compute_objective
from transformers.trainer_utils import default_hp_space_optuna
from transformers.trainer_utils import default_hp_space_ray
from transformers.trainer_utils import default_hp_space_sigopt
from transformers.trainer_utils import default_hp_space_wandb
from transformers.trainer_utils import denumpify_detensorize
from transformers.trainer_utils import enable_full_determinism
from transformers.trainer_utils import find_executable_batch_size
from transformers.trainer_utils import get_last_checkpoint
from transformers.trainer_utils import has_length
from transformers.trainer_utils import is_main_process
from transformers.trainer_utils import is_psutil_available
from transformers.trainer_utils import is_tf_available
from transformers.trainer_utils import is_torch_available
from transformers.trainer_utils import is_torch_cuda_available
from transformers.trainer_utils import is_torch_mps_available
from transformers.trainer_utils import NamedTuple
from transformers.trainer_utils import neptune_post_forward_hook

```

```

from transformers.trainer_utils import number_of_arguments
from transformers.trainer_utils import requires_backends
from transformers.trainer_utils import seed_worker
from transformers.trainer_utils import set_seed
from transformers.trainer_utils import speed_metrics
from transformers.trainer_utils import total_processes_number

# Sentinels / Constants / Objects
from transformers.trainer_utils import is_torch_hpu_available
from transformers.trainer_utils import is_torch_mlu_available
from transformers.trainer_utils import is_torch_musa_available
from transformers.trainer_utils import is_torch_npu_available
from transformers.trainer_utils import is_torch_xla_available
from transformers.trainer_utils import is_torch_xpu_available
from transformers.trainer_utils import Optional
from transformers.trainer_utils import PREFIX_CHECKPOINT_DIR
from transformers.trainer_utils import Union

```

transformers.training_args

Classes

```

[
    AcceleratorConfig,
    AcceleratorState,
    Any,
    cached_property,
    DebugOption,
    DistributedType,
    Enum,
    EvaluationStrategy,
    ExplicitEnum,
    FSDPOption,
    HubStrategy,
    IntervalStrategy,
    OptimizerNames,
    ParallelMode,
    PartialState,
    Path,
    SaveStrategy,
    SchedulerType,
    timedelta,
    TrainingArguments
]

```

Functions

```

[
    asdict,
    dataclass,
    default_logdir,
    field,
    fields,
    get_full_repo_name,
    get_int_from_env,
    get_xla_device_type,
    is_accelerate_available,
    is_apex_available,
    is_ipex_available,
    is_optimum_neuron_available,
    is_safetensors_available,
    is_sagemaker_dp_enabled,
    is_sagemaker_mp_enabled,
    is_torch_available,
    is_torch_bf16_gpu_available,

```



```
is_torch_cuda_available,  
is_torch_mps_available,  
is_torch_tf32_available,  
requires_backends,  
strtobool
```

```
]
```

Sentinels / Constants / Objects

```
[  
    ACCELERATE_MIN_VERSION,  
    is_torch_hpu_available,  
    is_torch_mlu_available,  
    is_torch_musa_available,  
    is_torch_neuroncore_available,  
    is_torch_npu_available,  
    is_torch_xla_available,  
    is_torch_xpu_available,  
    log_levels,  
    logger,  
    Optional,  
    trainer_log_levels,  
    Union  
]
```

Import statements

```
from transformers.training_args import AcceleratorConfig  
from transformers.training_args import AcceleratorState  
from transformers.training_args import Any  
from transformers.training_args import cached_property  
from transformers.training_args import DebugOption  
from transformers.training_args import DistributedType  
from transformers.training_args import Enum  
from transformers.training_args import EvaluationStrategy  
from transformers.training_args import ExplicitEnum  
from transformers.training_args import FSDPOption  
from transformers.training_args import HubStrategy  
from transformers.training_args import IntervalStrategy  
from transformers.training_args import OptimizerNames  
from transformers.training_args import ParallelMode  
from transformers.training_args import PartialState  
from transformers.training_args import Path  
from transformers.training_args import SaveStrategy  
from transformers.training_args import SchedulerType  
from transformers.training_args import timedelta  
from transformers.training_args import TrainingArguments
```

Functions

```
from transformers.training_args import asdict  
from transformers.training_args import dataclass  
from transformers.training_args import default_logdir  
from transformers.training_args import field  
from transformers.training_args import fields  
from transformers.training_args import get_full_repo_name  
from transformers.training_args import get_int_from_env  
from transformers.training_args import get_xla_device_type  
from transformers.training_args import is_accelerate_available  
from transformers.training_args import is_apex_available  
from transformers.training_args import is_ipex_available  
from transformers.training_args import is_optimum_neuron_available  
from transformers.training_args import is_safetensors_available  
from transformers.training_args import is_sagemaker_dp_enabled  
from transformers.training_args import is_sagemaker_mp_enabled  
from transformers.training_args import is_torch_available  
from transformers.training_args import is_torch_bf16_gpu_available
```

```

from transformers.training_args import is_torch_cuda_available
from transformers.training_args import is_torch_mps_available
from transformers.training_args import is_torch_tf32_available
from transformers.training_args import requires_backends
from transformers.training_args import strtobool

# Sentinels / Constants / Objects
from transformers.training_args import ACCELERATE_MIN_VERSION
from transformers.training_args import is_torch_hpu_available
from transformers.training_args import is_torch_mlu_available
from transformers.training_args import is_torch_musa_available
from transformers.training_args import is_torch_neuroncore_available
from transformers.training_args import is_torch_npu_available
from transformers.training_args import is_torch_xla_available
from transformers.training_args import is_torch_xpu_available
from transformers.training_args import log_levels
from transformers.training_args import logger
from transformers.training_args import Optional
from transformers.training_args import trainer_log_levels
from transformers.training_args import Union

```

transformers.training_args_seq2seq

Classes

```

[
    GenerationConfig,
    Path,
    Seq2SeqTrainingArguments,
    TrainingArguments
]

```

Functions

```

[
    add_start_docstrings,
    dataclass,
    field
]

```

Sentinels / Constants / Objects

```

[
    logger,
    Optional,
    Union
]

```

Import statements

```

from transformers.training_args_seq2seq import GenerationConfig
from transformers.training_args_seq2seq import Path
from transformers.training_args_seq2seq import Seq2SeqTrainingArguments
from transformers.training_args_seq2seq import TrainingArguments

```

Functions

```

from transformers.training_args_seq2seq import add_start_docstrings
from transformers.training_args_seq2seq import dataclass
from transformers.training_args_seq2seq import field

```

Sentinels / Constants / Objects

```

from transformers.training_args_seq2seq import logger
from transformers.training_args_seq2seq import Optional
from transformers.training_args_seq2seq import Union

```

transformers.training_args_tf

Classes

```

[

```

```

    cached_property,
    TFTrainingArguments,
    TrainingArguments
]
Functions
[
    dataclass,
    field,
    is_tf_available,
    requires_backends
]
Sentinels / Constants / Objects
[
    logger,
    Optional
]
Import statements
from transformers.training_args_tf import cached_property
from transformers.training_args_tf import TFTrainingArguments
from transformers.training_args_tf import TrainingArguments

# Functions
from transformers.training_args_tf import dataclass
from transformers.training_args_tf import field
from transformers.training_args_tf import is_tf_available
from transformers.training_args_tf import requires_backends

# Sentinels / Constants / Objects
from transformers.training_args_tf import logger
from transformers.training_args_tf import Optional

```

transformers.utils

Classes

```

[
    BackboneConfigMixin,
    BackboneMixin,
    cached_property,
    ClassAttrs,
    ClassDocstring,
    ContextManagers,
    DocstringParsingException,
    DummyObject,
    EntryNotFoundError,
    ExplicitEnum,
    ImageProcessorArgs,
    ModelArgs,
    ModelOutput,
    ModelOutputArgs,
    OptionalDependencyNotAvailable,
    PaddingStrategy,
    PushInProgress,
    PushToHubMixin,
    RepositoryNotFoundError,
    RevisionNotFoundError,
    TensorType,
    TransformersKwargs,
    TypeHintParsingException
]

```

Functions

```

[
    add_code_sample_docstrings,

```

add_end_docstrings,
add_start_docstrings,
add_start_docstrings_to_model_forward,
auto_class_docstring,
auto_docstring,
cached_file,
can_return_loss,
can_return_tuple,
check_min_version,
check_peft_version,
check_torch_load_is_safe,
copy_func,
define_sagemaker_information,
direct_transformers_import,
download_url,
expand_dims,
extract_commit_hash,
filter_out_non_signature_kwargs,
find_adapter_config_file,
find_labels,
flatten_dict,
get_args_doc_from_source,
get_full_repo_name,
get_json_schema,
get_torch_version,
has_file,
http_user_agent,
infer_framework,
is_accelerate_available,
is_apex_available,
is_apollo_torch_available,
is_aqlm_available,
is_auto_awq_available,
is_auto_gptq_available,
is_auto_round_available,
is_av_available,
is_bitsandbytes_multi_backend_available,
is_bs4_available,
is_ccl_available,
is_coloredlogs_available,
is_compressed_tensors_available,
is_cuda_platform,
is_cv2_available,
is_cython_available,
is_datasets_available,
is_decord_available,
is_detectron2_available,
is_eetq_available,
is_essentia_available,
is_faiss_available,
is_fbgemm_gpu_available,
is_flash_attn_2_available,
is_flax_available,
is_flute_available,
is_fp_quant_available,
is_fsdp_available,
is_ftfy_available,
is_g2p_en_available,
is_galore_torch_available,
is_gguf_available,
is_gptqmodel_available,
is_grokadamw_available,

is_hadamard_available,
is_hqq_available,
is_in_notebook,
is_ipex_available,
is_jax_tensor,
is_jieba_available,
is_jinja_available,
is_jumanpp_available,
is_kenlm_available,
is_keras_nlp_available,
is_kernels_available,
is_levenshtein_available,
is_libcst_available,
is_librosa_available,
is_liger_kernel_available,
is_lomo_available,
is_matplotlib_available,
is_mistral_common_available,
is_mlx_available,
is_natten_available,
is_ninja_available,
is_nltk_available,
is_num2words_available,
is_numpy_array,
is_offline_mode,
is_onnx_available,
is_openai_available,
is_optimum_available,
is_optimum_quanto_available,
is_pandas_available,
is_peft_available,
is_phonemizer_available,
is_pretty_midi_available,
is_protobuf_available,
is_psutil_available,
is_py3nvml_available,
is_pyctcdecode_available,
is pytesseract_available,
is_pytest_available,
is_pytorch_quantization_available,
is_quark_available,
is_qtlass_available,
is_remote_url,
is_rich_available,
is_rjieba_available,
is_rocm_platform,
is_sacremoses_available,
is_safetensors_available,
is_sagemaker_dp_enabled,
is_sagemaker_mp_enabled,
is_schedulefree_available,
is_scipy_available,
is_sentencepiece_available,
is_seqio_available,
is_sklearn_available,
is_soundfile_available,
is_spacy_available,
is_speech_available,
is_spqr_available,
is_sudachi_available,
is_sudachi_projection_available,
is_tensor,

is_tensorflow_probability_available,
is_tensorflow_text_available,
is_tf2onnx_available,
is_tf_available,
is_tf_symbolic_tensor,
is_tf_tensor,
is_tiktoken_available,
is_timm_available,
is_timm_config_dict,
is_timm_local_checkpoint,
is_tokenizers_available,
is_torch_accelerator_available,
is_torch_available,
is_torch_bf16_available,
is_torch_bf16_cpu_available,
is_torch_bf16_gpu_available,
is_torch_compile_available,
is_torch_cuda_available,
is_torch_deterministic,
is_torch_device,
is_torch_dtype,
is_torch_flex_attn_available,
is_torch_fx_available,
is_torch_fx_proxy,
is_torch_mps_available,
is_torch_optimi_available,
is_torch_sdpa_available,
is_torch_tensor,
is_torch_tensorrt_fx_available,
is_torch_tf32_available,
is_torchao_available,
is_torchaudio_available,
is_torchcodec_available,
is_torchdistx_available,
is_torchdynamo_available,
is_torchdynamo_compiling,
is_torchdynamo_exporting,
is_torchvision_available,
is_torchvision_v2_available,
is_training_run_on_sagemaker,
is_triton_available,
is_uroman_available,
is_vptq_available,
is_xlstm_available,
is_yt_dlp_available,
list_repo_templates,
lru_cache,
parse_docstring,
replace_return_docstrings,
requires_backends,
reshape,
send_example_telemetry,
set_min_indent,
squeeze,
strtobool,
tensor_size,
to_numpy,
to_py_obj,
torch_float,
torch_int,
torch_only_method,
transpose,


```

SPIECE_UNDERLINE,
TF2_WEIGHTS_INDEX_NAME,
TF2_WEIGHTS_NAME,
TF_WEIGHTS_NAME,
TORCH_FX_REQUIRED_VERSION,
TRANSFORMERS_CACHE,
TRANSFORMERS_DYNAMIC_MODULE_NAME,
TRITON_MIN_VERSION,
USE_JAX,
USE_TF,
USE_TORCH,
VIDEO_PROCESSOR_NAME,
WEIGHTS_INDEX_NAME,
WEIGHTS_NAME,
XLA_FSDPV2_MIN_VERSION
]

```

Import statements

```

from transformers.utils import BackboneConfigMixin
from transformers.utils import BackboneMixin
from transformers.utils import cached_property
from transformers.utils import ClassAttrs
from transformers.utils import ClassDocstring
from transformers.utils import ContextManagers
from transformers.utils import DocstringParsingException
from transformers.utils import DummyObject
from transformers.utils import EntryNotFoundError
from transformers.utils import ExplicitEnum
from transformers.utils import ImageProcessorArgs
from transformers.utils import ModelArgs
from transformers.utils import ModelOutput
from transformers.utils import ModelOutputArgs
from transformers.utils import OptionalDependencyNotAvailable
from transformers.utils import PaddingStrategy
from transformers.utils import PushInProgress
from transformers.utils import PushToHubMixin
from transformers.utils import RepositoryNotFoundError
from transformers.utils import RevisionNotFoundError
from transformers.utils import TensorType
from transformers.utils import TransformersKwargs
from transformers.utils import TypeHintParsingException

# Functions
from transformers.utils import add_code_sample_docstrings
from transformers.utils import add_end_docstrings
from transformers.utils import add_start_docstrings
from transformers.utils import add_start_docstrings_to_model_forward
from transformers.utils import auto_class_docstring
from transformers.utils import auto_docstring
from transformers.utils import cached_file
from transformers.utils import can_return_loss
from transformers.utils import can_return_tuple
from transformers.utils import check_min_version
from transformers.utils import check_peft_version
from transformers.utils import check_torch_load_is_safe
from transformers.utils import copy_func
from transformers.utils import define_sagemaker_information
from transformers.utils import direct_transformers_import
from transformers.utils import download_url
from transformers.utils import expand_dims
from transformers.utils import extract_commit_hash
from transformers.utils import filter_out_non_signature_kwargs
from transformers.utils import find_adapter_config_file

```



```
from transformers.utils import find_labels
from transformers.utils import flatten_dict
from transformers.utils import get_args_doc_from_source
from transformers.utils import get_full_repo_name
from transformers.utils import get_json_schema
from transformers.utils import get_torch_version
from transformers.utils import has_file
from transformers.utils import http_user_agent
from transformers.utils import infer_framework
from transformers.utils import is_accelerate_available
from transformers.utils import is_apex_available
from transformers.utils import is_apollo_torch_available
from transformers.utils import is_aqlm_available
from transformers.utils import is_auto_awq_available
from transformers.utils import is_auto_gptq_available
from transformers.utils import is_auto_round_available
from transformers.utils import is_av_available
from transformers.utils import is_bitsandbytes_multi_backend_available
from transformers.utils import is_bs4_available
from transformers.utils import is_ccl_available
from transformers.utils import is_coloredlogs_available
from transformers.utils import is_compressed_tensors_available
from transformers.utils import is_cuda_platform
from transformers.utils import is_cv2_available
from transformers.utils import is_cython_available
from transformers.utils import is_datasets_available
from transformers.utils import is_decord_available
from transformers.utils import is_detectron2_available
from transformers.utils import is_eetq_available
from transformers.utils import is_essentia_available
from transformers.utils import is_faiss_available
from transformers.utils import is_fbgemm_gpu_available
from transformers.utils import is_flash_attn_2_available
from transformers.utils import is_flax_available
from transformers.utils import is_flute_available
from transformers.utils import is_fp_quant_available
from transformers.utils import is_fsdp_available
from transformers.utils import is_ftfy_available
from transformers.utils import is_g2p_en_available
from transformers.utils import is_galore_torch_available
from transformers.utils import is_gguf_available
from transformers.utils import is_gptqmodel_available
from transformers.utils import is_grokadamw_available
from transformers.utils import is_hadamard_available
from transformers.utils import is_hqq_available
from transformers.utils import is_in_notebook
from transformers.utils import is_ipex_available
from transformers.utils import is_jax_tensor
from transformers.utils import is_jieba_available
from transformers.utils import is_jinja_available
from transformers.utils import is_jumanpp_available
from transformers.utils import is_kenlm_available
from transformers.utils import is_keras_nlp_available
from transformers.utils import is_kernels_available
from transformers.utils import is_levenshtein_available
from transformers.utils import is_libcst_available
from transformers.utils import is_librosa_available
from transformers.utils import is_liger_kernel_available
from transformers.utils import is_lomo_available
from transformers.utils import is_matplotlib_available
from transformers.utils import is_mistral_common_available
from transformers.utils import is_mlx_available
```

```
from transformers.utils import is_natten_available
from transformers.utils import is_ninja_available
from transformers.utils import is_nltk_available
from transformers.utils import is_num2words_available
from transformers.utils import is_numpy_array
from transformers.utils import is_offline_mode
from transformers.utils import is_onnx_available
from transformers.utils import is_openai_available
from transformers.utils import is_optimum_available
from transformers.utils import is_optimum_quanto_available
from transformers.utils import is_pandas_available
from transformers.utils import is_peft_available
from transformers.utils import is_phonemizer_available
from transformers.utils import is_pretty_midi_available
from transformers.utils import is_protobuf_available
from transformers.utils import is_psutil_available
from transformers.utils import is_py3nvm1_available
from transformers.utils import is_pyctcdecode_available
from transformers.utils import is_pytest_available
from transformers.utils import is_pytorch_quantization_available
from transformers.utils import is_quark_available
from transformers.utils import is_qutlass_available
from transformers.utils import is_remote_url
from transformers.utils import is_rich_available
from transformers.utils import is_rjieba_available
from transformers.utils import is_rocm_platform
from transformers.utils import is_sacremoses_available
from transformers.utils import is_safetensors_available
from transformers.utils import is_sagemaker_dp_enabled
from transformers.utils import is_sagemaker_mp_enabled
from transformers.utils import is_schedulefree_available
from transformers.utils import is_scipy_available
from transformers.utils import is_sentencepiece_available
from transformers.utils import is_seqio_available
from transformers.utils import is_sklearn_available
from transformers.utils import is_soundfile_available
from transformers.utils import is_spacy_available
from transformers.utils import is_speech_available
from transformers.utils import is_spqr_available
from transformers.utils import is_sudachi_available
from transformers.utils import is_sudachi_projection_available
from transformers.utils import is_tensor
from transformers.utils import is_tensorflow_probability_available
from transformers.utils import is_tensorflow_text_available
from transformers.utils import is_tf2onnx_available
from transformers.utils import is_tf_available
from transformers.utils import is_tf_symbolic_tensor
from transformers.utils import is_tf_tensor
from transformers.utils import is_tiktoken_available
from transformers.utils import is_timm_available
from transformers.utils import is_timm_config_dict
from transformers.utils import is_timm_local_checkpoint
from transformers.utils import is_tokenizers_available
from transformers.utils import is_torch_accelerator_available
from transformers.utils import is_torch_available
from transformers.utils import is_torch_bf16_available
from transformers.utils import is_torch_bf16_cpu_available
from transformers.utils import is_torch_bf16_gpu_available
from transformers.utils import is_torch_compile_available
from transformers.utils import is_torch_cuda_available
from transformers.utils import is_torch_deterministic
```

```

from transformers.utils import is_torch_device
from transformers.utils import is_torch_dtype
from transformers.utils import is_torch_flex_attn_available
from transformers.utils import is_torch_fx_available
from transformers.utils import is_torch_fx_proxy
from transformers.utils import is_torch_mps_available
from transformers.utils import is_torch_optimi_available
from transformers.utils import is_torch_sdpa_available
from transformers.utils import is_torch_tensor
from transformers.utils import is_torch_tensorrt_fx_available
from transformers.utils import is_torch_tf32_available
from transformers.utils import is_torchao_available
from transformers.utils import is_torchaudio_available
from transformers.utils import is_torchcodec_available
from transformers.utils import is_torchdistx_available
from transformers.utils import is_torchdynamo_available
from transformers.utils import is_torchdynamo_compiling
from transformers.utils import is_torchdynamo_exporting
from transformers.utils import is_torchvision_available
from transformers.utils import is_torchvision_v2_available
from transformers.utils import is_training_run_on_sagemaker
from transformers.utils import is_triton_available
from transformers.utils import is_uroman_available
from transformers.utils import is_vptq_available
from transformers.utils import is_xlstm_available
from transformers.utils import is_yt_dlp_available
from transformers.utils import list_repo_templates
from transformers.utils import lru_cache
from transformers.utils import parse_docstring
from transformers.utils import replace_return_docstrings
from transformers.utils import requires_backends
from transformers.utils import reshape
from transformers.utils import send_example_telemetry
from transformers.utils import set_min_indent
from transformers.utils import squeeze
from transformers.utils import strtobool
from transformers.utils import tensor_size
from transformers.utils import to_numpy
from transformers.utils import to_py_obj
from transformers.utils import torch_float
from transformers.utils import torch_int
from transformers.utils import torch_only_method
from transformers.utils import transpose
from transformers.utils import try_to_load_from_cache
from transformers.utils import working_or_temp_dir

```

Sentinels / Constants / Objects

```

from transformers.utils import ACCELERATE_MIN_VERSION
from transformers.utils import ADAPTER_CONFIG_NAME
from transformers.utils import ADAPTER_SAFE_WEIGHTS_NAME
from transformers.utils import ADAPTER_WEIGHTS_NAME
from transformers.utils import AUDIO_TOKENIZER_NAME
from transformers.utils import ccl_version
from transformers.utils import CHAT_TEMPLATE_DIR
from transformers.utils import CHAT_TEMPLATE_FILE
from transformers.utils import CLOUDFRONT_DISTRIB_PREFIX
from transformers.utils import CONFIG_NAME
from transformers.utils import default_cache_path
from transformers.utils import DISABLE_TELEMETRY
from transformers.utils import DUMMY_INPUTS
from transformers.utils import DUMMY_MASK
from transformers.utils import ENV_VARS_TRUE_AND_AUTO_VALUES

```

```

from transformers.utils import ENV_VARS_TRUE_VALUES
from transformers.utils import FEATURE_EXTRACTOR_NAME
from transformers.utils import FLAX_WEIGHTS_INDEX_NAME
from transformers.utils import FLAX_WEIGHTS_NAME
from transformers.utils import GENERATION_CONFIG_NAME
from transformers.utils import get_available_devices
from transformers.utils import GGUF_MIN_VERSION
from transformers.utils import HF_MODULES_CACHE
from transformers.utils import HUGGINGFACE_CO_PREFIX
from transformers.utils import HUGGINGFACE_CO_RESOLVE_ENDPOINT
from transformers.utils import IMAGE_PROCESSOR_NAME
from transformers.utils import IMAGENET_DEFAULT_MEAN
from transformers.utils import IMAGENET_DEFAULT_STD
from transformers.utils import IMAGENET_STANDARD_MEAN
from transformers.utils import IMAGENET_STANDARD_STD
from transformers.utils import is_bitsandbytes_available
from transformers.utils import is_flash_attn_3_available
from transformers.utils import is_flash_attn_greater_or_equal
from transformers.utils import is_flash_attn_greater_or_equal_2_10
from transformers.utils import is_habana_gaudi1
from transformers.utils import is_huggingface_hub_greater_or_equal
from transformers.utils import is_torch_bf16_available_on_device
from transformers.utils import is_torch_fp16_available_on_device
from transformers.utils import is_torch_greater_or_equal
from transformers.utils import is_torch_hpu_available
from transformers.utils import is_torch_mlu_available
from transformers.utils import is_torch_musa_available
from transformers.utils import is_torch_neuroncore_available
from transformers.utils import is_torch_npu_available
from transformers.utils import is_torch_xla_available
from transformers.utils import is_torch_xpu_available
from transformers.utils import is_vision_available
from transformers.utils import LEGACY_PROCESSOR_CHAT_TEMPLATE_FILE
from transformers.utils import MODEL_CARD_NAME
from transformers.utils import MULTIPLE_CHOICE_DUMMY_INPUTS
from transformers.utils import PROCESSOR_NAME
from transformers.utils import PYTORCH_PRETRAINED_BERT_CACHE
from transformers.utils import PYTORCH_TRANSFORMERS_CACHE
from transformers.utils import S3_BUCKET_PREFIX
from transformers.utils import SAFE_WEIGHTS_INDEX_NAME
from transformers.utils import SAFE_WEIGHTS_NAME
from transformers.utils import SENTENCEPIECE_UNDERLINE
from transformers.utils import SPIECE_UNDERLINE
from transformers.utils import TF2_WEIGHTS_INDEX_NAME
from transformers.utils import TF2_WEIGHTS_NAME
from transformers.utils import TF_WEIGHTS_NAME
from transformers.utils import TORCH_FX_REQUIRED_VERSION
from transformers.utils import TRANSFORMERS_CACHE
from transformers.utils import TRANSFORMERS_DYNAMIC_MODULE_NAME
from transformers.utils import TRITON_MIN_VERSION
from transformers.utils import USE_JAX
from transformers.utils import USE_TF
from transformers.utils import USE_TORCH
from transformers.utils import VIDEO_PROCESSOR_NAME
from transformers.utils import WEIGHTS_INDEX_NAME
from transformers.utils import WEIGHTS_NAME
from transformers.utils import XLA_FSDPV2_MIN_VERSION

```

transformers.video_processing_utils

Classes

[

```

Any,
BaseImageProcessorFast,
BaseVideoProcessor,
BatchFeature,
ChannelDimension,
PILImageResampling,
SizeDict,
TensorType,
VideoMetadata,
VideosKwargs

```

```
]
```

Functions

```

[
    add_start_docstrings,
    cached_file,
    copy_func,
    custom_object_save,
    deepcopy,
    download_url,
    get_size_dict,
    group_videos_by_shape,
    is_offline_mode,
    is_remote_url,
    is_torch_available,
    is_torchvision_available,
    is_torchvision_v2_available,
    load_video,
    make_batched_videos,
    reorder_videos,
    requires,
    to_channel_dimension_format,
    validate_kwargs

```

```
]
```

Sentinels / Constants / Objects

```

[
    BASE_VIDEO_PROCESSOR_DOCSTRING,
    is_vision_available,
    logger,
    Optional,
    pil_torch_interpolation_mapping,
    Union,
    Unpack,
    VIDEO_PROCESSOR_NAME,
    VideoInput

```

```
]
```

Import statements

```

from transformers.video_processing_utils import Any
from transformers.video_processing_utils import BaseImageProcessorFast
from transformers.video_processing_utils import BaseVideoProcessor
from transformers.video_processing_utils import BatchFeature
from transformers.video_processing_utils import ChannelDimension
from transformers.video_processing_utils import PILImageResampling
from transformers.video_processing_utils import SizeDict
from transformers.video_processing_utils import TensorType
from transformers.video_processing_utils import VideoMetadata
from transformers.video_processing_utils import VideosKwargs

```

Functions

```

from transformers.video_processing_utils import add_start_docstrings
from transformers.video_processing_utils import cached_file
from transformers.video_processing_utils import copy_func
from transformers.video_processing_utils import custom_object_save

```

```

from transformers.video_processing_utils import deepcopy
from transformers.video_processing_utils import download_url
from transformers.video_processing_utils import get_size_dict
from transformers.video_processing_utils import group_videos_by_shape
from transformers.video_processing_utils import is_offline_mode
from transformers.video_processing_utils import is_remote_url
from transformers.video_processing_utils import is_torch_available
from transformers.video_processing_utils import is_torchvision_available
from transformers.video_processing_utils import is_torchvision_v2_available
from transformers.video_processing_utils import load_video
from transformers.video_processing_utils import make_batched_videos
from transformers.video_processing_utils import reorder_videos
from transformers.video_processing_utils import requires
from transformers.video_processing_utils import to_channel_dimension_format
from transformers.video_processing_utils import validate_kwargs

# Sentinels / Constants / Objects
from transformers.video_processing_utils import BASE_VIDEO_PROCESSOR_DOCSTRING
from transformers.video_processing_utils import is_vision_available
from transformers.video_processing_utils import logger
from transformers.video_processing_utils import Optional
from transformers.video_processing_utils import pil_torch_interpolation_mapping
from transformers.video_processing_utils import Union
from transformers.video_processing_utils import Unpack
from transformers.video_processing_utils import VIDEO_PROCESSOR_NAME
from transformers.video_processing_utils import VideoInput

```

transformers.video_utils

Classes

```

[
    BytesIO,
    ChannelDimension,
    Iterable,
    PaddingMode,
    redirect_stdout,
    VideoMetadata
]

```

Functions

```

[
    convert_pil_frames_to_video,
    convert_to_rgb,
    dataclass,
    default_sample_indices_fn,
    get_uniform_frame_indices,
    get_video_size,
    group_videos_by_shape,
    infer_channel_dimension_format,
    is_av_available,
    is_batched_video,
    is_cv2_available,
    is_decord_available,
    is_numpy_array,
    is_scaled_video,
    is_torch_available,
    is_torch_tensor,
    is_torchcodec_available,
    is_torchvision_available,
    is_valid_image,
    is_valid_video,
    is_valid_video_frame,
    is_yt_dlp_available,

```

```

load_video,
make_batched_videos,
pad,
read_video_decord,
read_video_opencv,
read_video_pyav,
read_video_torchcodec,
read_video_torchvision,
reorder_videos,
requires_backends,
to_channel_dimension_format,
urlparse,
valid_videos
]

```

Sentinels / Constants / Objects

```

[
    Callable,
    is_vision_available,
    logger,
    Optional,
    Union,
    VIDEO_DECODERS,
    VideoInput
]

```

Import statements

```

from transformers.video_utils import BytesIO
from transformers.video_utils import ChannelDimension
from transformers.video_utils import Iterable
from transformers.video_utils import PaddingMode
from transformers.video_utils import redirect_stdout
from transformers.video_utils import VideoMetadata

```

Functions

```

from transformers.video_utils import convert_pil_frames_to_video
from transformers.video_utils import convert_to_rgb
from transformers.video_utils import dataclass
from transformers.video_utils import default_sample_indices_fn
from transformers.video_utils import get_uniform_frame_indices
from transformers.video_utils import get_video_size
from transformers.video_utils import group_videos_by_shape
from transformers.video_utils import infer_channel_dimension_format
from transformers.video_utils import is_av_available
from transformers.video_utils import is_batched_video
from transformers.video_utils import is_cv2_available
from transformers.video_utils import is_decord_available
from transformers.video_utils import is_numpy_array
from transformers.video_utils import is_scaled_video
from transformers.video_utils import is_torch_available
from transformers.video_utils import is_torch_tensor
from transformers.video_utils import is_torchcodec_available
from transformers.video_utils import is_torchvision_available
from transformers.video_utils import is_valid_image
from transformers.video_utils import is_valid_video
from transformers.video_utils import is_valid_video_frame
from transformers.video_utils import is_yt_dlp_available
from transformers.video_utils import load_video
from transformers.video_utils import make_batched_videos
from transformers.video_utils import pad
from transformers.video_utils import read_video_decord
from transformers.video_utils import read_video_opencv
from transformers.video_utils import read_video_pyav
from transformers.video_utils import read_video_torchcodec

```

```
from transformers.video_utils import read_video_torchvision
from transformers.video_utils import reorder_videos
from transformers.video_utils import requires_backends
from transformers.video_utils import to_channel_dimension_format
from transformers.video_utils import urlparse
from transformers.video_utils import valid_videos

# Sentinels / Constants / Objects
from transformers.video_utils import Callable
from transformers.video_utils import is_vision_available
from transformers.video_utils import logger
from transformers.video_utils import Optional
from transformers.video_utils import Union
from transformers.video_utils import VIDEO_DECODERS
from transformers.video_utils import VideoInput
```


Modules that failed to import

safetensors :: safetensors.mlx

ModuleNotFoundError("No module named 'mlx'")

safetensors :: safetensors.paddle

ModuleNotFoundError("No module named 'paddle'")

transformers :: transformers.tokenization_mistral_common

NameError("name 'ValidationMode' is not defined")