Cloud TPU provides the following set of supported models that are optimized for fast and accurate training.

.

TensorFlow version	Support start	Support end	Model category	Supported models
TF 2.1	January 8, 2020	(End date not yet set)	Image classification	ResNet-2.x, (/tpu/docs/tutorials/resnet-2.x) MNIST-2.x (/tpu/docs/tutorials/mnist-2.x)
			Language modeling	Transformer-2.x, (/tpu/docs/tutorials/transformer-2.x) BERT-2.x (/tpu/docs/tutorials/bert-2.x)
TF 1.15	October 22, 2019	(End date not yet set)	Image classification	ResNet, (/tpu/docs/tutorials/resnet) AmoebaNet, (/tpu/docs/tutorials/amoebanet) EfficientNet, (/tpu/docs/tutorials/efficientnet) MNasNet, (/tpu/docs/tutorials/mnasnet) MNIST (/tpu/docs/tutorials/mnist)
			Language modeling	Transformer, (/tpu/docs/tutorials/transformer) BERT (/tpu/docs/tutorials/bert)
			Object detection	RetinaNet, (/tpu/docs/tutorials/retinanet)
			Image segmentation	Mask R-CNN, (/tpu/docs/tutorials/mask-rcnn) ShapeMask (/tpu/docs/tutorials/shapemask)
TF 1.14	July 19, 2019	(End date not yet set)	Image classification	ResNet, (/tpu/docs/tutorials/resnet) AmoebaNet, (/tpu/docs/tutorials/amoebanet) EfficientNet, (/tpu/docs/tutorials/efficientnet) MNasNet, (/tpu/docs/tutorials/mnasnet) MNIST (/tpu/docs/tutorials/mnist)
			Language modeling	Transformer (/tpu/docs/tutorials/transformer)
			Object detection	RetinaNet, (/tpu/docs/tutorials/retinanet) Mask R-CNN (/tpu/docs/tutorials/mask-rcnn)

TensorFlow version	Support start	Support end	Model category	Supported models
TF 1.13	March 11, 2019	(End date not yet set)	Image classification	ResNet, (/tpu/docs/tutorials/resnet) AmoebaNet, (/tpu/docs/tutorials/amoebanet) MNasNet, (/tpu/docs/tutorials/mnasnet) MNIST (/tpu/docs/tutorials/mnist)
			Language modeling	Transformer (/tpu/docs/tutorials/transformer)
			Object detection	RetinaNet (/tpu/docs/tutorials/retinanet)

PyTorch version	Support start	Support end	Model category	Supported models
PyTorch 1.x	Oct 17, 2019	(End date not yet set)	Image classification	ResNet (/tpu/docs/tutorials/resnet-alpha-py)
			Language modeling	FairSeq (/tpu/docs/tutorials/transformer-pytorch)