

tf.log_sigmoid

```
log_sigmoid(  
    x,  
    name=None  
)
```

Defined in [tensorflow/python/ops/math_ops.py](#).

Computes log sigmoid of `x` element-wise.

Specifically, $y = \log(1 / (1 + \exp(-x)))$. For numerical stability, we use $y = -\text{tf.nn.softplus}(-x)$.

Args:

- `x`: A Tensor with type `float32` or `float64`.
- `name`: A name for the operation (optional).

Returns:

A Tensor with the same type as `x`.

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