

# set protocols spanning-tree mstp max-hops

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The **set protocols spanning-tree mstp max-hops** command sets the maximum hops of a spanning tree when MSTP is running.

## Command Syntax

**set protocols spanning-tree mstp max-hops** *<max-hops>*

## Parameter

Parameter	Description
<b>max-hops</b> <i>&lt;max-hops&gt;</i>	Specifies the maximum hops of a spanning tree. The value is an integer that ranges from 6 to 40. The default value is 20.

## Usage Guidelines

The maximum number of hops of a spanning tree in an MST region determines the network scale.

An MST BPDU has a field that indicates the number of remaining hops:

- The number of remaining hops in a BPDU sent by the root switching device equals the maximum number of hops.
- The number of remaining hops in a BPDU sent by a non-root switching device equals the maximum number of hops minus the number of hops from the non-root switching device to the root switching device.
- If a switching device receives a BPDU in which the number of remaining hops is 0, the switching device will discard the BPDU.

## Example

- Set the maximum hops of a spanning tree to 15 when MSTP is running.

```
admin@Xorplus# set protocols spanning-tree mstp max-hops 15
admin@Xorplus# commit
```