

set protocols spanning-tree mstp max-age

The **set protocols spanning-tree mstp max-age** command sets the BPDU aging time on the switching device when MSTP is running.

Command Syntax

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

Parameter

Parameter	Description
max-age <i><max-age></i>	Specifies the BPDU aging time. The value is an integer, in seconds, that ranges from 6 to 40. The default value is 20s.

Usage Guidelines

Max Age is the maximum lifetime of a received BPDU packets. If the BPDUs time out, the switching device ages the BPDUs and blocks the port that receives the BPDUs.

NOTE:

The relationships between the Hello Time, Forward Delay, and Max Age are as follows. The spanning tree functions properly only if the relationships are correctly established. Otherwise, network flapping occurs.

- $2 \times (\text{Forward Delay} - 1.0) \text{ Max Age}$
- $\text{Max Age} \geq 2 \times (\text{Hello Time} + 1.0)$

Example

- Set BPDU aging time to 15s when MSTP is running.

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