Spanning Tree Protocol Laborübung

Befehlsübersicht STP (englische Beschreibung)

[SWA]stp ?

Command	Description
bpdu-protection	Specify Bpdu Protection function
disable	Disable spanning tree protocol
enable	Enable spanning tree protocol
mcheck	Specify mcheck parameter
mode	Specify state machine mode parameter
pathcost-standard	Specify stp port path cost standard
priority	Specify bridge priority
root	Specify root switch
timeout-factor	Specify timeout factor of the spanning tree
timer	Specify timers of spanning tree protocol

Command View	Function	Prompt	Command to Enter	Command to leave
User View	Show the basic information about operation and statistics	<SW5500>	This is the view you are in after connecting o the Switch	quit disconnects to the Switch
System View	Configure system parameters	[SW5500]	Enter system-view in User View	quitor return returns to User View
Ethernet Port View	Configure Ethernet port parameters	[SW5500-Ethernet1/0/1]	100M Ethernet Port View: Enter interface ethernet 1/0/1 in System View	quit returns to System View return returns to User View
VLAN View	Configure VLAN parameters	[SW5500-Vlan1]	Enter vlan 1 in System View	quit returns to System View return returns to User View
VLAN Interface View	Configure IP interface parameters for a VLAN or a VLAN aggregation	[SW5500-Vlan-interface1]	Enter interface vlan-interface 1 in System View	quit returns to System View return returns to User View

Set Priority of a Specified Bridge (s. Auszug SuperStack 5500 Handbuch, S. 242)

Whether a bridge can be selected as the “root” of the spanning tree depends on its priority. By

assigning a lower priority, a bridge can be artificially specified as the root of the spanning tree. You can use the following command to configure the priority of a specified bridge. Perform the following configurations in System View.

Operation Command

- Set priority of a specified bridge `stp priority bridge_priority`
- Restore the default priority of specified bridge `undo stp priority`

Note that if the priorities of all the bridges in the Switching network are the same, the bridge with the smallest MAC address will be selected as the “root”. When RSTP is enabled, an assignment of a priority to the bridge will lead to recalculation of the spanning tree. By default, the priority of the bridge is **32768**.