在RV110W上配置RSTP

目標

快速跨距樹狀目錄通訊協定(RSTP)是一種網路通訊協定,可防止網路中的回圈。 RSTP還配 置哪些物理鏈路應轉發幀。

本文檔旨在向您展示如何在RV110W路由器上配置RSTP。

適用裝置

·RV110W

軟體版本

•1.2.0.9

配置RSTP

步驟1.登入到Web配置實用程式並導航到Networking > LAN > RSTP,此時將開啟RSTP頁:

stem Priority:	32768 💌]				
llo Time:	2 Seconds (Range: 1 - 10, Default: 2) 20 Seconds (Range: 6 - 40, Default: 20)					
x Age:						
	-	Occurred (Decore	. 4 - 20 Default: 1	5)		
rward Delay: rce Version:	15 Normal	Compatible	. 4 - 30, Delauit. 1	5)		
rward Delay: rce Version: ietting Table Po	Normal	Compatible Protocol Enable	Edge	Path Cost		
rward Delay: rce Version: ietting Table Po	15 Normal ort	Compatible Protocol Enable	Edge	Path Cost		
rward Delay: rce Version: etting Table Po	15 Normal ort 1 2	Compatible Protocol Enable	Edge V	Path Cost 0 0		
rward Delay: rce Version: etting Table Po	15 Normal ort 1 2 3	Compatible Protocol Enable	Edge V V	Path Cost 0 0 0		

步驟2.從System Priority(系統優先順序)下拉列表中選擇優先順序別。系統優先順序越低 ,裝置就越有可能成為生成樹中的根。預設值為32768。

System Priority: 3	2768 🗸						
Hello Time: 2	Seconds (Range: 1 - 1	0, Default: 2)					
lax Age: 2	0 Seconds (Range: 6 - 4	0, Default: 20)					
orward Delay: 1	d Delavr 15 Seconds (Banne: 4, 30 Default 15)						
Force Version:	Normal Compatible						
Force Version: @	Normal O Compatible						
Force Version: © Setting Table	Normal [©] Compatible						
Force Version: Setting Table Port	Normal O Compatible Protocol Enable	Edge	Path Cost				
Force Version: Setting Table Port 1	Normal Compatible Protocol Enable	Edge	Path Cost 0				
Force Version: (e) Setting Table Port 1 2	Normal Compatible Protocol Enable	Edge V V	Path Cost 0 0			-	
Force Version: Setting Table Port 1 2 3	Normal Compatible Protocol Enable	Edge V V	Path Cost 0 0 0			-	
Force Version: Setting Table Port 1 2 3 4	Normal Compatible Protocol Enable	Edge V V V	Path Cost 0 0 0 0			-	

步驟3.在Hello時間欄位中,輸入生成樹的根在傳送hello消息之前需要等待的時間。

RSTP					
System Priority:	32768 👻				
Hello Time:	2 Seconds (Range: 1 - 10), Default: 2)			
Max Age:	20 Seconds (Range: 6 - 40), Default: 20)			
Forward Delay:	15 Seconds (Range: 4 - 30), Default: 15)			
Force Version:	Normal Compatible				
Setting Table					
Setting Table	rt Protocol Enable	Edge	Path Cost		
Setting Table Po	nt Protocol Enable	Edge V	Path Cost		
Setting Table Po	rt Protocol Enable	Edge V	Path Cost 0 0		
Setting Table Po	rt Protocol Enable 1 2 3	Edge V V	Path Cost 0 0 0		
Setting Table Po	rt Protocol Enable 1 2 3 4	Edge V V V	Path Cost 0 0 0 0		

步驟4.在Max Age欄位中,輸入路由器等待接收hello訊息所需的時間。

RSTP					
System Priority:	32768 👻				
Hello Time:	2 Seconds (Range	e: 1 - 10, Default: 2)			
Max Age:	20 Seconds (Range	e: 6 - 40, Default: 20)			
Forward Delay:	15 Seconds (Range	e: 4 - 30, Default: 15)			
Force Version:	Normal Compatible				
Setting Table					
Setting Table Por	rt Protocol Enable	Edge	Path Cost		
Setting Table Por	rt Protocol Enable	Edge V	Path Cost 0		
Setting Table Por	rt Protocol Enable	Edge V	Path Cost 0 0		
Setting Table Por	rt Protocol Enable 1 2 3	Edge V V	Path Cost 0 0 0		
Setting Table Por	t Protocol Enable 1 2 3 4	Edge V V V	Path Cost 0 0 0 0		

步驟5.在Forward Delay欄位中,輸入介面等待從封鎖狀態變更為轉送狀態所需的時間。

RSTP						
System Priority:	32768 👻					
Hello Time:	2	Seconds (Range: 1 - 10,	Default: 2)			
Max Age:	20	Seconds (Range: 6 - 40,	Default: 20)			
Forward Delay:	15	Seconds (Range: 4 - 30,	Default: 15)			
Force Version:	Normal	Ocompatible				
Setting Table						
Setting Table Po	rt	Protocol Enable	Edge	Path Cost		
Setting Table	rt 1	Protocol Enable	Edge I	Path Cost		
Setting Table Po	rt 1 2	Protocol Enable	Edge V	Path Cost 0 0		
Setting Table Po	rt 1 2 3	Protocol Enable	Edge V V	Path Cost 0 0 0		
Setting Table Po	rt 1 2 3 4	Protocol Enable	Edge V V V	Path Cost 0 0 0 0		

步驟6.在Force Version欄位中,選擇要使用的預設協定版本。

RSTP									
System Priority:	32768 👻								
Hello Time:	2	2 Seconds (Range: 1 - 10, Default: 2)							
Max Age:	20	Seconds (Range: 6 - 40,	Default: 20)						
Forward Delay:	15	Seconds (Range: 4 - 30,	Default: 15)						
Force Version:	Normal (Compatible							
Setting Table									
Por	t	Protocol Enable	Edge	Path Cost					
1	1			0					
2	2			0					
3	3			0					
				0					
4	4		V	0					

可用選項定義如下:

·正常 — 使用RSTP。

·相容 — 與舊的STP相容。

步驟7.在*設定表*中,配置以下設定:

RSTP										
System Priority:	32768 👻									
Hello Time:	2	2 Seconds (Range: 1 - 10, Default: 2)								
Max Age:	20	Seconds (Range: 6 - 40,	Default: 20)							
Forward Delay:	15	Seconds (Range: 4 - 30,	Default: 15)							
Force Version:	Normal (Compatible								
Setting Table										
Po	rt	Protocol Enable	Edge	Path Cost						
	1			0						
	2			0						
	3			0						
	4			0						
Save	Cancel									

·協定啟用 — 選中此框可在埠上啟用RSTP。

·邊緣 — 選中此框可將埠設定為邊緣埠(終端站)。 取消選中此框可使埠成為到另一個 STP裝置的鏈路(網橋)。 ·路徑開銷 — 輸入埠的路徑開銷。接受2到20000000之間的數字。

步驟8.按一下「Save」。

RSTP								
System Priority:	32768 👻							
Hello Time:	2 Seconds (Range: 1 - 10, Default: 2)							
Max Age:	20 Seconds (Range: 6 - 44	0, Default: 20)						
Forward Delay:	15 Seconds (Range: 4 - 3	0, Default: 15)						
Force Version:	Normal Compatible							
Setting Table								
Port	Protocol Enable	Edge	Path Cost					
1			0					
2			0					
3			0					
4			0					
Save	Cancel							