

WE Split tunnel

Disclaimer

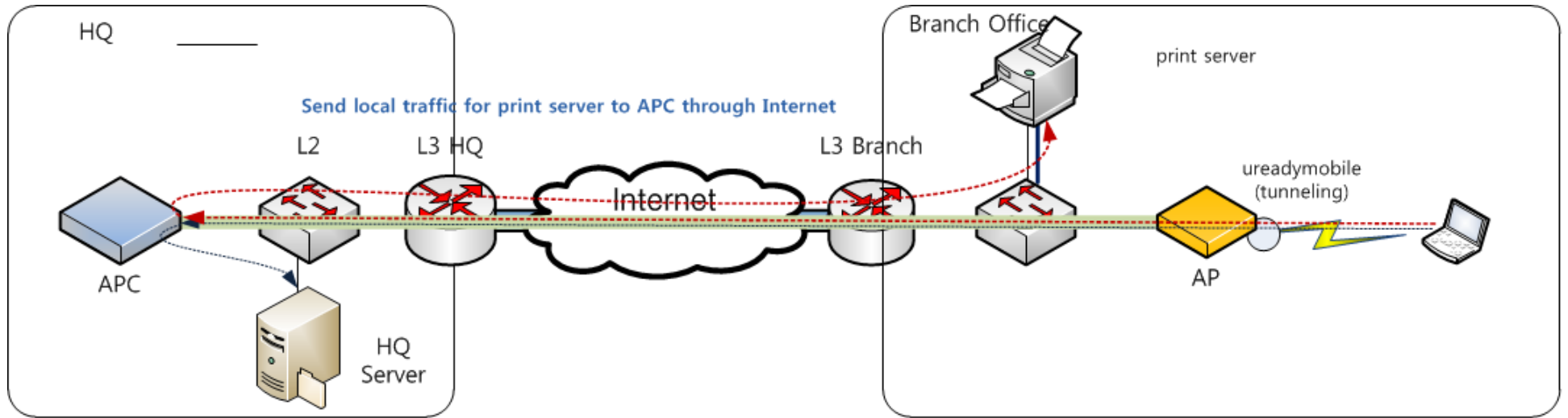
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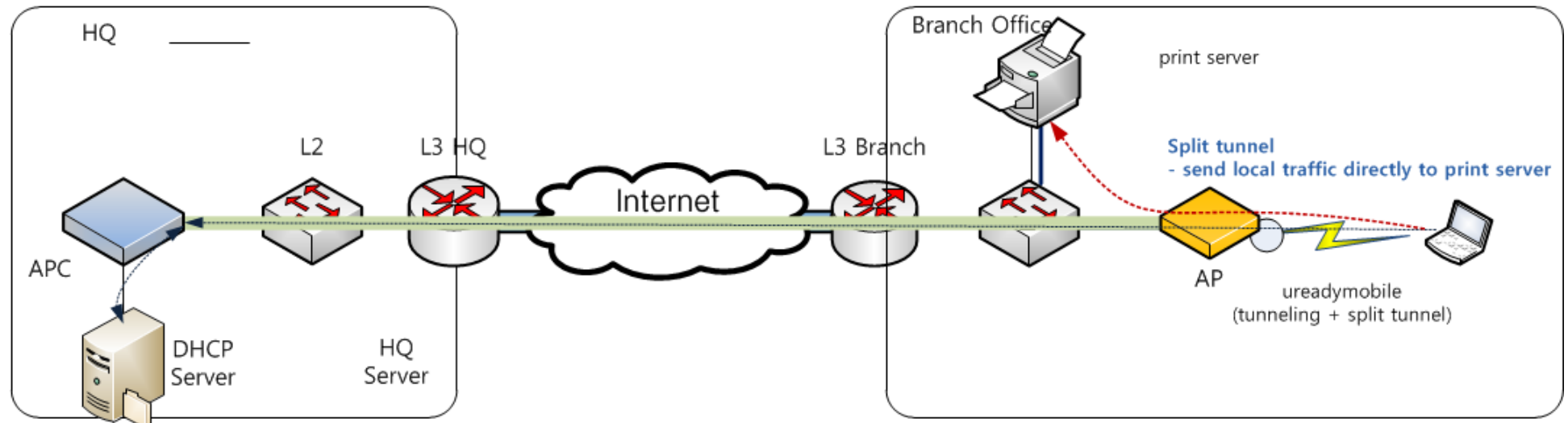
Samsung Electronics America

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Tunneling VS Split tunnel



APC Tunneling Path



Split tunnel Path

WE Split tunnel Configuration Guide

1. Set WLAN interface to Tunnel mode

- [Configuration] → [WLANs] → WLAN → “CAPWAP TUNNEL MODE” → 802.3 Tunnel select

The screenshot shows the Samsung Wireless Enterprise Manager web interface. The browser address bar displays '100.100.100.2/index.php'. The navigation menu includes 'Monitor', 'Configuration', 'Administration', and 'Help'. The 'Configuration' section is expanded to show 'WLANs > WLANs > General'. The configuration table for the WLAN is as follows:

ID	10
PROFILE NAME	wlan10
SSID	SEC_tunnel
AP GROUP LISTS	default
INTERFACE GROUP	station
RADIO AREA ¹	5GHz
CAPWAP TUNNEL MODE ²	802.3 Tunnel
SUPPRESS SSID	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
AAA OVERRIDE	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
MAX. ALLOWED STATIONS ON A BSS ³	127
ADMIN STATUS	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

Foot Notes :

1. [Warning] If changed, applicable WLAN's BSS service will be created/deleted..
- 2.[Warning] If changed, applicable WLAN's BSS service will be restarted.
3. We are able to set a limit to the maximum number of stations which are accommodated on an AP BSS basis. When using Open security mode, Max 127 users can be associated in a BSS. Max Allowed station number may change according to the kinds of WLAN security mode such as CCMP or TKIP.

2. Make ACL rule for split tunnel

- [Configuration] → [Security] → Access Control Lists → IP ACL → Add
 - Example) “TCP destination port = 9100” is allowed for split tunnel

The screenshot shows the Samsung Wireless Enterprise Manager web interface. The browser address bar displays "100.100.100.2/index.php". The navigation menu includes "Monitor", "Configuration", "Administration", and "Help". The user is logged in as "samsung".

The left sidebar shows a tree view of configuration options, with "IP ACL" selected under "Security".

The main content area displays the "Add" form for an IP ACL rule. The form fields are as follows:

NAME	split_acl_new
SEQUENCE	100
PROTOCOL	TCP
SOURCE	Any
SOURCE PORT	Any
DESTINATION	Any
DESTINATION PORT	= 9100
TOS	-----
OS-AWARE	Any
ACTION	Permit

Buttons for "Back" and "Apply" are located at the top right of the form area.

3. Add split tunnel ACL to ACL profile

- [Configuration] → [Security] → Role Based Access Control → ACL Profile
 - If ACL profile is not exist, make ACL profile first.

The screenshot shows the Samsung Wireless Enterprise Manager web interface. The browser address bar shows '100.100.100.2/index.php'. The navigation menu includes 'Monitor', 'Configuration', 'Administration', and 'Help'. The 'Configuration' menu is expanded, showing 'Security' > 'Role Based Access Control' > 'ACL Profile' > 'Edit'. The main content area displays the configuration for an ACL profile named 'aclprofile_new' with an ACL count of 1. There are two columns of ACLs: 'Selected' and 'All'. The 'Selected' column contains 'split_acl_new' (highlighted with a red box). The 'All' column contains 'preAuth', 'ip_acl1', 'ip_acl2', and 'split_acl'. Between the columns are '>>' and '<<' buttons, with the '<<' button highlighted by a red box. 'Back' and 'Apply' buttons are located at the top right of the configuration area.

PROFILE NAME	aclprofile_new
ACL COUNT	1

Selected

- split_acl_new

All

- preAuth
- ip_acl1
- ip_acl2
- split_acl

>>

<<

Back Apply

4. Set split tunnel ACL to AP group or AP

- [Configuration] → [AP groups] → “Select any remote AP group” → Remote AP Group → ACL Profile

The screenshot shows the configuration page for a Remote AP Group ACL Profile in the Samsung Wireless Enterprise Manager. The page is divided into several sections: General, APs, WLANs, 802.11a/n/ac, 802.11b/g/n, Remote AP Group, and Advanced. The 'Remote AP Group' tab is selected, and the 'ACL Profile' sub-tab is active. The configuration includes fields for AP Group Name (ap_remote), SCOPE (All), ACL Profile Name (aclprofile_new), and checkboxes for Tunnel Forwarding and Local Bridging Forwarding. A table for Tunnel Forwarding shows a single entry for wlan1 with Split Tunnel ACL splitLacL_new. A table for Local Bridging Forwarding shows two entries for wlan3 and wlan4 with VLAN IDs 40 and 30 respectively. Three red circles and boxes highlight key elements: (1) the ACL Profile Name dropdown, (2) the Split Tunnel ACL dropdown, and (3) the Send To APs button.

Wireless Enterprise Manager
100.100.100.2/index.php
Samsung Wireless Enterprise
Monitor | Configuration | Administration | Help
User [samsung] | Logout | Save Configuration | Ping | Refresh

General | APs | WLANs | 802.11a/n/ac | 802.11b/g/n | Remote AP Group | Advanced

AP Groups > Remote AP Group > ACL Profile

User Authentication | ACL Profile

Back | Send To APs

AP GROUP NAME: ap_remote
SCOPE: All ACL Profile Only

ACL PROFILE NAME: aclprofile_new

OVERWRITE AP CONFIG: Tunnel Forwarding Local Bridging Forwarding

Tunnel Forwarding

WLAN: wlan1 Split Tunnel ACL: splitLacL_new Add Delete

NO.	WLAN	SPLIT TUNNEL ACL	EDIT
No data			

Local Bridging Forwarding

WLAN: --- VLAN ID: 0 ACL: --- Pre-Auth. ACL: --- Add Delete

NO.	WLAN	VLAN ID	ACL	PRE-AUTH. ACL	EDIT
1	wlan3	40	-	-	Edit
2	wlan4	30	-	-	Edit