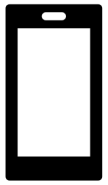
INTERNET4SCHOOLS – GUEST WI-FI SOLUTIONS

Options for connecting adult guest users in schools that have our Protex Appliance

OPTION1

LAYER3 ROUTED SUBNET



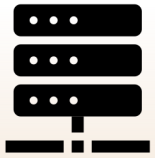
Student/Staff Managed SSID = VLAN y
subnet 10.31.45.0/24

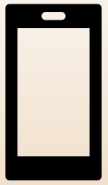
Protex Appliance

Transparent Filter Default
= Protex:Student Filtering with SSL content inspection

Transit or routing
subnet VLAN z
10.255.255.0/30

Layer 3 switch



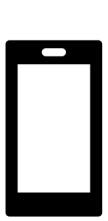


Guest SSID = VLAN x
subnet 10.31.55.0/24

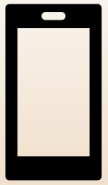
Transparent Filter Location Map
10.31.55.0/24
= Staff No Man in the Middle Filtering

OPTION2

LAYER2 CONNECTED SUBNETS

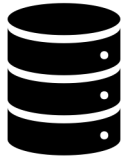


Student/Staff Managed
SSID = VLAN y
subnet 10.31.45.0/24



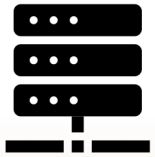
Guest SSID = VLAN x
subnet 10.31.55.0/24

Protex Appliance



Untagged VLAN y to Protex LAN
port 10.31.45.1

Layer 2 switch



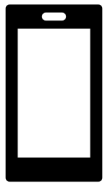
Untagged VLAN x to Protex
DMZ port 10.31.55.1

Transparent Filter Default
= Protex:Student Filtering with SSL content inspection

Transparent Filter Location Map
10.31.55.0/24
= Staff No Man in the Middle Filtering

OPTION3

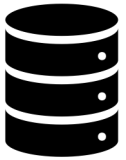
WIFI NAT MODE



Student/Staff Managed SSID - Bridge Mode
AP address 10.31.45.5
Client scope 10.31.45.0/24 – passed through AP un-natted

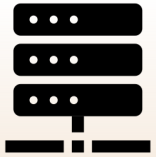
Protex Appliance

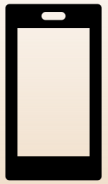
10.31.45.1



Transparent Filter Default
= Protex:Student Filtering with SSL content inspection for un-natted student/staff devices

Layer 2 switch





Guest SSID = DHCP/NAT Mode
Client Scope 192.168.1.0/24
AP address / NAT address
10.31.45.5

Transparent Filter Location Map
10.31.45.5
= Staff No Man in the Middle Filtering
192.168.1.x clients “hide” behind Access Point IP address