

Chapter 5 – Inter-VLAN routing				
Legacy	<p>Switches:</p> <pre>vlan [10, 30] int range [f0/11, f0/4] switchport access vlan [10] int range [f0/6, f0/5] switchport access vlan [30]</pre> <p>Routers:</p> <ul style="list-style-type: none"> • int [g0/0] • ip address [172.17.10.1 255.255.255.0] • no shut • int g0/1 • ip address [172.17.30.1 255.255.255.0] • no shut 	<p>Create VLANs and assign each port to VLANs.</p> <p>Assign IP address in the appropriate subnet its connected to.</p>	<pre>show vlans</pre>	
Router on a stick	<p>Switches:</p> <pre>vlan [10, 30] int [f0/5] switchport mode trunk</pre> <p>Routers:</p> <ul style="list-style-type: none"> • int [g0/0.10] • encapsulation dot1q [10] • ip address [172.17.10.1 255.255.255.0] • int [g0/0.30] • encapsulation dot1q [30] • ip address [172.17.30.1 255.255.255.0] • int [g0/0] • no shut 	<p>Create VLANs and assign each port to VLANs.</p> <p>Enable trunking on switchport connected to router.</p> <p>Create subinterfaces, assign IP address to each</p> <p>Enable physical interface</p>	<p>On router:</p> <pre>show vlans show ip route</pre> <p>...should show subinterfaces.</p> <p>On switch:</p> <pre>show interfaces [f0/5] switchport</pre>	
Multilayer switch	<p>With SVI:</p> <pre>interface vlan [id]</pre> <p>With routed ports:</p> <pre>no switchport</pre> <p>Configure Layer 2 switch to support routing:</p> <pre>sdm prefer lanbase-routing</pre>		<pre>show sdm prefer</pre>	
Chapter 9 – ACLs				

Extended ACL	<ul style="list-style-type: none"> • access-list [103] [permit] [tcp] [192.168.10.0 0.0.0.255] [any] [eq 80] • access-list [103] [permit] [tcp] [192.168.10.0 0.0.0.255] [any] [eq 443] • access-list [104] [permit] [tcp] [any] [192.168.10.0 0.0.0.255] [established] 	<ul style="list-style-type: none"> ○ Access-list [number] ○ Deny permit remark ○ Protocol ○ Source ○ Destination ○ Port (optional) 	<pre>show access- lists clear access- list counters [STUDENT]</pre>	
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[stuff in here] are variables you need to input