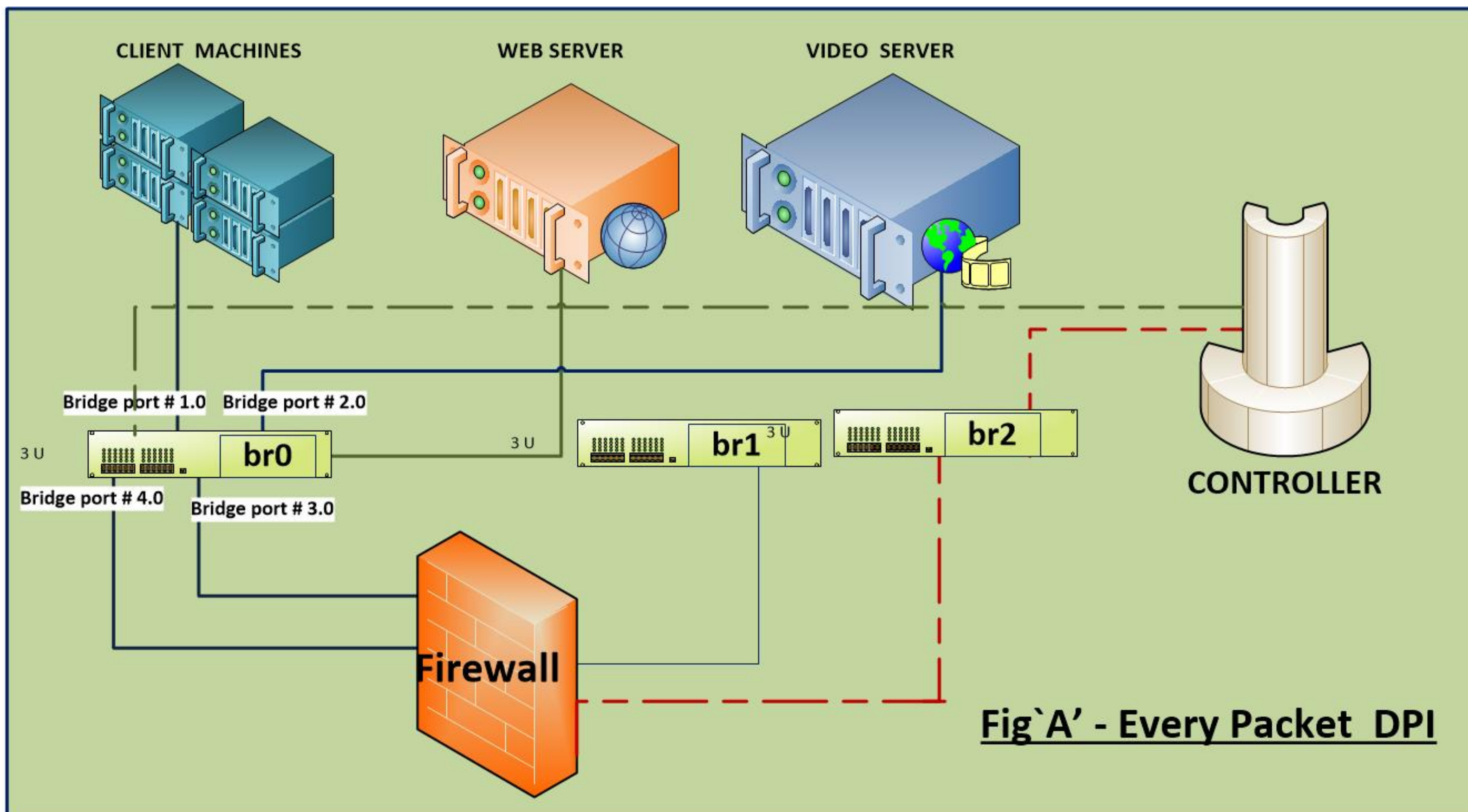
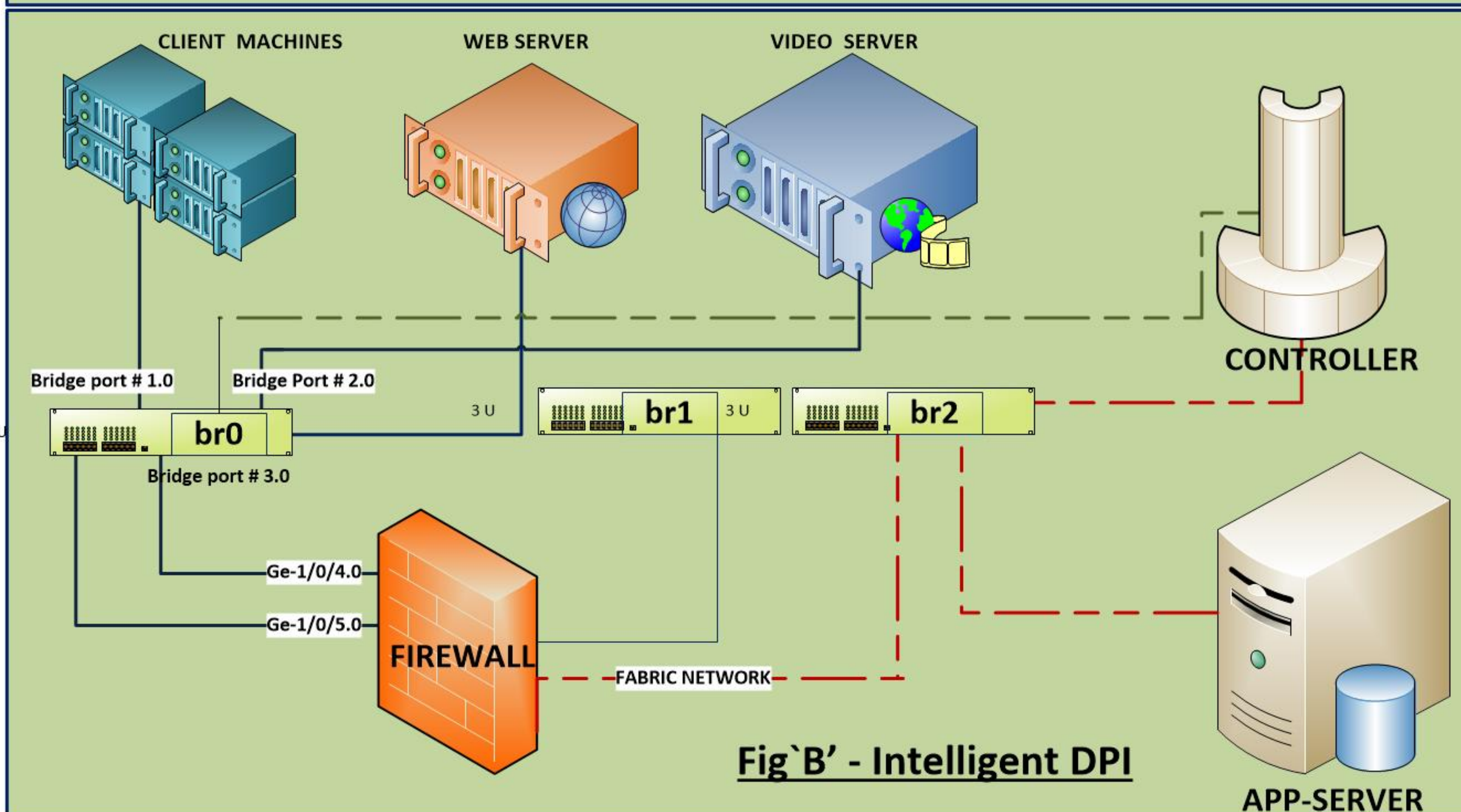


SDSec – Intelligent DPI with App Steering

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Client to Server thru Firewall				
MODE	Src --> Dstn	Next Hop Decision	Remarks	
Complete session	Normal DPI	Client --> OVS	Gateway	Issues with Scaling to line rate traffic!
		OVS --> vA	Flow Rule	
		vA --> OVS	Flow Rule	
		OVS --> Server	Flow Rule	
Initial Traffic in the session	Intelligent DPI -	Client --> OVS	Gateway	Configured
		OVS --> vA	Flow Rule	Initial traffic
		vA --> AppServer	AppServer config on vA	B/G process thru FABRIC
		AppServer --> Controller	AppServer configured with Controller	New Flow Rules Pushed
Rest of the session	AppSteering	Client --> OVS	New Flow Rule from AppServer	vA Bypassed!
		OVS --> Server	New Flow Rule from AppServer	vA Bypassed!



FLOW RULES			
MATCH		ACTION	
NODE	Interface	NODE	Interface
OVS - br0	tap1.0	OVS - br0	tap3.0
OVS - br0	tap3.0	OVS - br0	tap1.0
OVS - br0	tap2.0	OVS - br0	tap4.0
OVS - br0	tap4.0	OVS - br0	tap2.0

After certifying flow by Firewall -

Intelligent DPI - AppSteering - Flow Rules				
MATCH		ACTION		
Protocol	NODE	Interface	NODE	Interface
http	OVS - br0	tap1.0	OVS - br0	tap2.0
http	OVS - br0	tap2.0	OVS - br0	tap1.0

