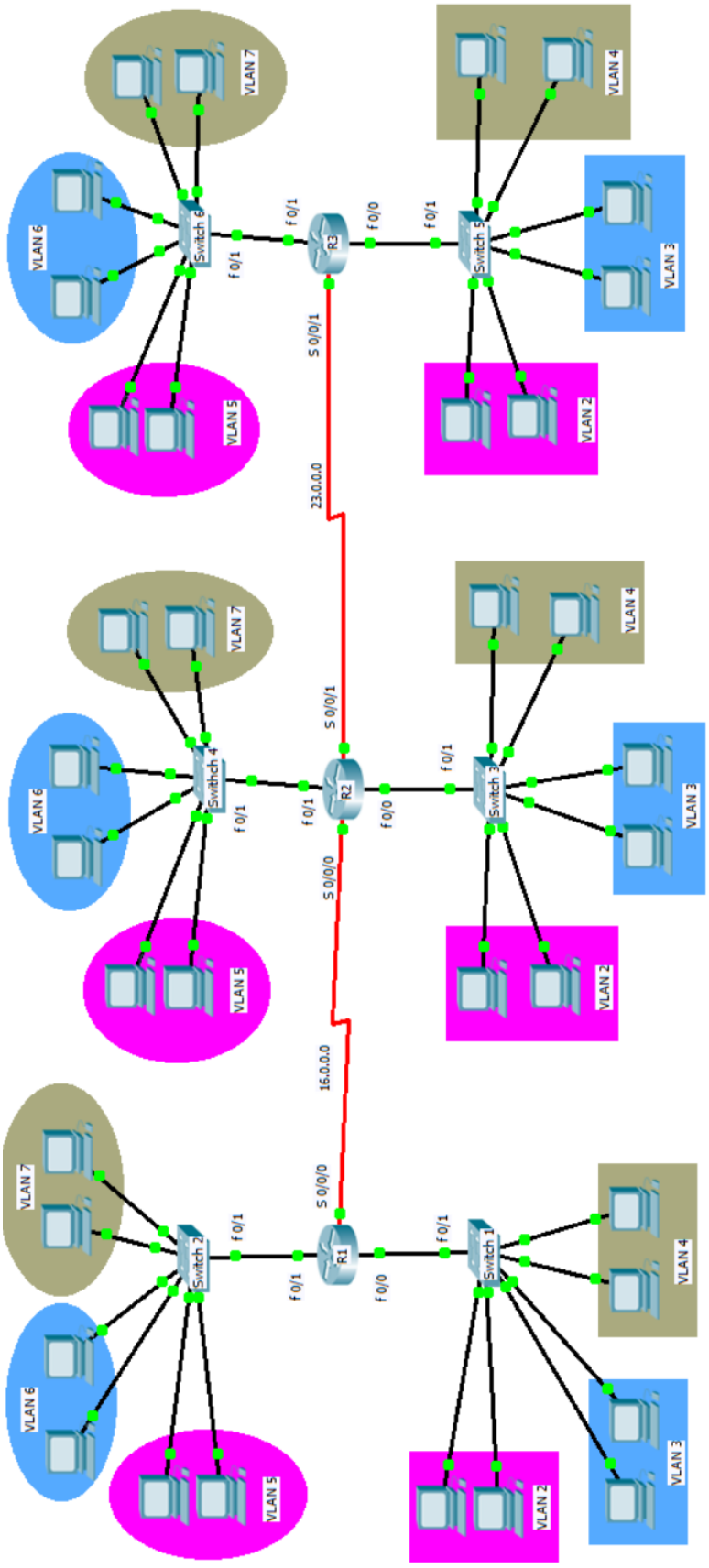
OrbScope
Academy

FINAL PROJECT NO.1



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Switch NO	VLAN	Interface		Switch NO	VLAN	Interface
Switch 1	VLAN 2	fa 0/2		Switch 2	VLAN 5	fa 0/2
		fa 0/3				fa 0/3
	VLAN 3	fa 0/4			VLAN 6	fa 0/4
		fa 0/5				fa 0/5
	VLAN 4	fa 0/6			VLAN 7	fa 0/6
		fa 0/7				fa 0/7
Switch 3	VLAN 2	fa 0/2		Switch 4	VLAN 5	fa 0/2
		fa 0/3				fa 0/3
	VLAN 3	fa 0/4			VLAN 6	fa 0/4
		fa 0/5				fa 0/5
	VLAN 4	fa 0/6			VLAN 7	fa 0/6
		fa 0/7				fa 0/7
Switch 5	VLAN 2	fa 0/2		Switch 6	VLAN 5	fa 0/2
		fa 0/3				fa 0/3
	VLAN 3	fa 0/4			VLAN 6	fa 0/4
		fa 0/5				fa 0/5
	VLAN 4	fa 0/6			VLAN 7	fa 0/6
		fa 0/7				fa 0/7

Router NO.	Interface	IP	Clock Rate	Network ID
Router 1	fa 0/0.1	10.0.0.1 /8		10.0.0.0 /8
	fa 0/0.2	11.0.0.1 /8		11.0.0.0 /8
	fa 0/0.3	12.0.0.1 /8		12.0.0.0 /8
	fa 0/1.1	13.0.0.1 /8		13.0.0.0 /8
	fa 0/1.2	14.0.0.1 /8		14.0.0.0 /8
	fa 0/1.3	15.0.0.1 /8		15.0.0.0 /8
	s 0/0/0	16.0.0.1 /8	64000	16.0.0.0 /8
Router 2	fa 0/0.1	17.0.0.1 /8		17.0.0.0 /8
	fa 0/0.2	18.0.0.1 /8		18.0.0.0 /8
	fa 0/0.3	19.0.0.1 /8		19.0.0.0 /8
	fa 0/1.1	20.0.0.1 /8		20.0.0.0 /8
	fa 0/1.2	21.0.0.1 /8		21.0.0.0 /8
	fa 0/1.3	22.0.0.1 /8		22.0.0.0 /8
	s 0/0/0	16.0.0.2 /8	64000	16.0.0.0 /8
	s 0/0/1	23.0.0.1 /8	64000	23.0.0.0 /8
Router 3	fa 0/0.1	24.0.0.1 /8		24.0.0.0 /8
	fa 0/0.2	25.0.0.1 /8		25.0.0.0 /8
	fa 0/0.3	26.0.0.1 /8		26.0.0.0 /8
	fa 0/1.1	27.0.0.1 /8		27.0.0.0 /8
	fa 0/1.2	28.0.0.1 /8		28.0.0.0 /8
	fa 0/1.3	29.0.0.1 /8		29.0.0.0 /8
	s 0/0/1	23.0.0.2 /8	64000	23.0.0.0 /8

1. Connect Devices as shown on the figure.
2. Configure every router's interfaces as shown on the table and the figure.
3. Configure DHCP protocol on All LANs devices and routers.
4. Apply Static Routing Protocol on the routers.
5. Configure Inter VLAN Routing by using the router as shown on the table and the figure.
6. Apply VLANs as shown on table and figure.