

Name	Network Address	Usable Ronge	Broad cast Address	Subnet Mask:
Crius	1:0:0:0/18	1.0.63.254	1.0.63.255	225522 255.255.192.0
coeus	1.0.64.0/20	1.0.64.1-	1.0.79.255	255.255.240·0 255.255.248·0
tethys	1.0.80.0/21	1.0.80.1-	1.0.87.255	255.255.252.0
oceanus	1.0.88.0/22	1.0.91.254	1.0.91.255	255.255.252.0
thea	1.0.92.0/22	1.0.95.254	1.0.95.255	255.255.254.0
Rhea	1.0.96.0/23	1.0.96.1 -	1.0.97.255	255. 255. 254.0
Hyperion	1.0.98.0/23	1.0.98.1 -	1.0.99.255	255.255.255.248
Ri	1.0.100.0/29	1.0.100.6	1.0.100.7	255.255.255.248 255.255.255.248
R _Z	1.0.100.8/29	1.0.100.9 -	1.0.100 15-5	255. 255. 255. 248
R3	1.0.100.16/29	1.0.100.17-	1.0.100.31	255.255.255.248
Ry	1,0,100,54129	1.0.100.30	1.0.100 .39	255.255.255.248
R5	1.0.100.32/29	1.0.100.38	1.0.100 .42	055, 255, 255, 248
Relieve	1.0.100.40/29	1.0.100.49-	1.0.100.25	255. 255-255.248
R ₄	1.0.100.48/29	1.0.100.54	1.0.100.63	10801586 385 10801
Rg	1.6.100.56129	1.0.100.62		2.1

Device	vice Interface IP Address Subnet mask		Subnet mask	Default gateway	
Crius	Se0/0/0	1.0.100.17	255.255.255.248	N/A	
Citus	Se0/0/0	1.0.100.17	255.255.255.248	N/A	
Casus	G0/0 1.0.0.1 IS Se0/0/0 1.0.100.2		255.255.192.0 255.255.255.248	N/A	
Coeus		1.0.100.2	255.255.255.248	N/A	
	Se0/0/1	1.0.100.9	255.255. 255.248	N/A	
	G0/0	1.0.64.1	255.255.240.0	N/A	
Tethys	Se0/0/0	1.0.100.25	255.255. 255.248	N/A	
	Se0/0/1	1.0.100.49	255.255. 255.248	N/A	
	G0/0	1.0.80.1	255.255.248.0	N/A	
Oceanus	Se0/0/0	1.0.100.57	255.255. 255.248	N/A	
	G0/0	1.0.88.1	255.255.252.0	N/A	
Thea	Se0/0/0	1.0.100.42	255.255. 255.248	N/A	
	G0/0	1.0.92.1	255.255.252.0	N/A	
Rhea	Se0/1/0	1.0.100.41	255.255. 255.248	N/A	
	Se0/0/1	1.0.100.18	255.255. 255.248	N/A	
	G0/0	1.0.96.1	255.255.254.0	N/A	
	Se0/0/0	1.0.100.27	255.255. 255.248	N/A	
Hyperion	G0/0	1.0.98.1	255.255.254.0	N/A	
	Se0/0/0	1.0.100.1	255.255.255.248	N/A	
	Se0/0/1	1.0.100.50	255.255.255.248	N/A	
PC0	NIC	1.0.88.2	255.255.252.0	1.0.88.1	
PC1	NIC	1.0.88.4	255.255.252.0	1.0.88.1	
Email Server	NIC	1.0.88.3	255.255.252.0	1.0.88.1	
PC2	NIC	DHCP Assigned (1.0.64.11) , 1.0.64.2	DHCP Assigned (255.0.0.0)/ 255.255.240.0	DHCP Assigned/ 1.0.64.1	
PC3	NIC	DHCP Assigned (1.0.64.12) , 1.0.64.3	DHCP Assigned (255.0.0.0)/ 255.255.240.0	DHCP Assigned/ 1.0.64.1	
PC4	NIC	DHCP Assigned/ 1.0.0.3	DHCP Assigned/ 255.255.192.0	DHCP Assigned/ 1.0.0.1	
PC5	NIC	DHCP Assigned/ 1.0.0.2	DHCP Assigned/ 255.255.192.0	DHCP Assigned/ 1.0.0.1	
PC6	NIC	DHCP Assigned/ 1.0.98.2	DHCP Assigned/ 255.255.254.0	DHCP Assigned/ 1.0.98.1	
PC7	NIC	DHCP Assigned/ 1.0.98.3	DHCP Assigned/ 255.255.254.0	DHCP Assigned/ 1.0.98.1	

PC8	NIC	1.0.80.2	255.255.248.0	1.0.80.1
Laptop2	NIC	1.0.80.3	255.255.248.0	1.0.80.1
PC9	NIC	1.0.96.2	255.255.254.0	1.0.96.1
Laptop0	NIC	1.0.96.3	255.255.254.0	1.0.96.1
Web Server	NIC	1.0.96.4	255.255.254.0	1.0.96.1
PC10	NIC	1.0.92.2	255.255.252.0	1.0.92.1
Laptop1	NIC	1.0.92.3	255.255.252.0	1.0.92.1
Sister email server	NIC	1.0.96.5	255.255.255.254	1.0.96.1

Router>enable Router#conf t

Router(config)#hostname Hyperion Hyperion (config)#no ip domain-lookup Hyperion (config)#interface gigabitethernet 0/0 Hyperion (config-if)#ip address 1.0.98.1 255.255.254.0 Hyperion (config-if)#no shut

Hyperion (config-if)#interface serial 0/0/0 Hyperion (config-if)#ip address 1.0.100.1 255.255.255.248 Hyperion (config-if)#clock rate 64000 Hyperion (config-if)#no shut

Router>enable Router#conf t

Router(config)#hostname Coeus Coeus(config)#no ip domain-lookup Coeus(config)#interface serial 0/0/0 Coeus(config-if)#ip address 1.0.100.2 255.255.255.248 Coeus(config-if)#no shut

Coeus (config)#interface gigabitethernet 0/0/ Coeus (config-if)#ip address 1.0.64.1 255.255.240.0 Coeus (config-if)#no shut

Coeus(config-if)#interface serial 0/0/1 Coeus(config-if)#ip address 1.0.100.9 255.255.255.248 Coeus(config-if)#no shut

Router>enable Router#conf t

Router(config)#hostname Crius Crius(config)#no ip domain-lookup Crius(config)#interface serial 0/1/0 Crius(config-if)#ip address 1.0.100.10 255.255.255.248 Crius(config-if)#no shut

Crius(config-if)#interface gigabitethernet 0/0 Crius(config-if)#ip address 1.0.0.1 255.255.192.0

Crius(config-if)#no shut

Crius(config-if)#interface serial 0/0/0 Crius(config-if)#ip address 1.0.100.17 255.255.255.248 Crius(config-if)#no shut

Router>enable Router#conf t

Router(config)#hostname Rhea Rhea(config)#no ip domain-lookup Rhea(config)#interface serial 0/0/1 Rhea(config-if)#ip address 1.0.100.18 255.255.255.248 Rhea(config-if)#no shut

Rhea(config-if)#interface gigabitethernet 0/0 Rhea(config-if)#ip address 1.0.96.1 255.255.254.0 Rhea(config-if)#no shut

Rhea(config)#interface serial 0/1/0 Rhea(config-if)#ip address 1.0.100.41 255.255.255.248 Rhea(config-if)#no shut

Router>enable Router#conf t

Router(config)#hostname Tethys
Tethys(config)#no ip domain-lookup
Tethys(config)#interface gigabitethernet 0/0
Tethys(config-if)#ip address 1.0.80.1 255.255.248.0
Tethys(config-if)#no shut

Tethys(config-if)#interface serial 0/0/0
Tethys(config-if)#ip address 1.0.100.25 255.255.255.248
Tethys(config-if)#no shut

Tethys(config-if)#interface serial 0/0/0
Tethys(config-if)#ip address 1.0.100.26 255.255.255.248
Tethys(config-if)#no shut

Router>enable Router#conf t

Router(config)#hostname Thea
Thea(config)#no ip domain-lookup

Thea(config-if)#interface gigabitethernet 0/0 Thea(config-if)#ip address 1.0.92.1 255.255.252.0 Thea(config-if)#no shut

Thea(config)#interface serial 0/0/0
Thea(config-if)#ip address 1.0.100.42 255.255.255.248
Thea(config-if)#no shut

Floating route
Hyperion>en
Hyperion#conf t
Hyperion(config)#interface serial 0/0/1
Hyperion(config-if)#ip address 1.0.100.50 255.255.255.248
Hyperion(config-if)#no shut

Tethys*en
Tethys#conf t
Tethys(config)#interface serial 0/0/1
Tethys(config-if)#ip address 1.0.100.49 255.255.255.248
Tethys(config-if)#no shut

Routing:

Tethys>enable Tethys#conf t

Tethys(config)#router rip
Tethys(config-router)#version 2
Tethys(config-router)#no auto-summary
Tethys(config-router)#network 1.0.80.0
Tethys(config-router)#network 1.0.92.0
Tethys(config-router)#passive-interface gig0/0
Tethys(config-router)#end

Thea>enable

Thea#conf t

Thea(config)#router rip

Thea(config-router)#version 2

Thea(config-router)#no auto-summary

Thea(config-router)#network 1.0.92.0

Thea(config-router)#network 1.0.80.0

Thea(config-router)#passive-interface gig0/0

Thea(config-router)#end

Rhea>enable

Rhea#conf t

Rhea(config)#router rip

Rhea(config-router)#version 2

Rhea(config-router)#no auto-summary

Rhea(config-router)#network 1.0.96.0

Rhea(config-router)#network 1.0.80.0

Rhea(config-router)#passive-interface gig0/0

Rhea(config-router)#end

Thea>enable

Thea#conf t

Thea(config)#router rip

Thea(config-router)#version 2

Thea(config-router)#no auto-summary

Thea(config-router)#network 1.0.92.0

Thea(config-router)#network 1.0.96.0

Thea(config-router)#passive-interface gig0/0

Thea(config-router)#end

Default route:

Thea(config)#ip route 0.0.0.0 0.0.0.0 1.0.96.0 Hyperion(config)#ip route 0.0.0.0 0.0.0.0 1.0.96.0 Crius(config)#ip route 0.0.0.0 0.0.0.0 1.0.96.0 Coeus(config)#ip route 0.0.0.0 0.0.0.0 1.0.96.0 Tethys(config)#ip route 0.0.0.0 0.0.0.0 1.0.96.0

Floating route:

Hyperion(config)#ip route 1.0.96.0 255.255.254.0 1.0.100.2 10 Rhea(config)#ip route 1.0.98.0 255.255.254.0 1.0.100.17 10