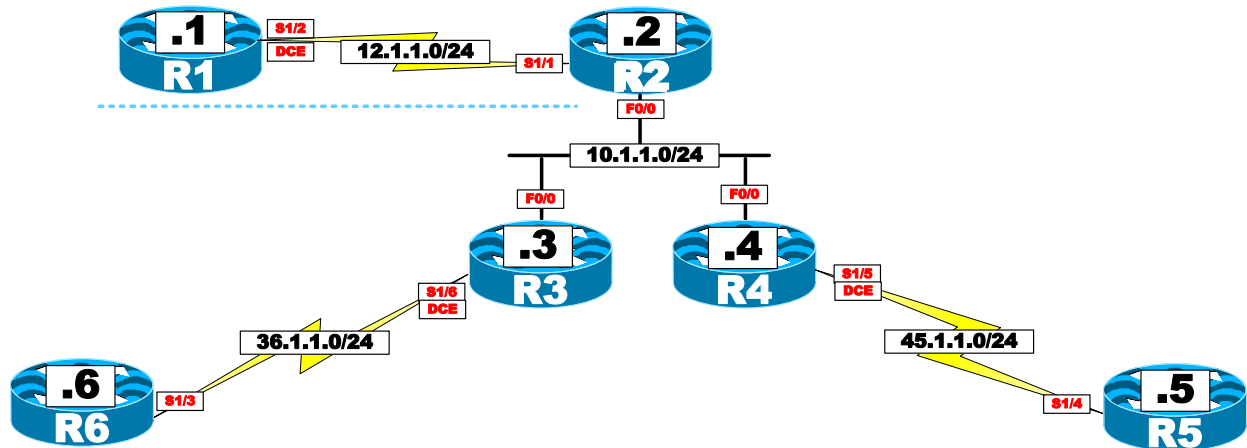


# Lab 1 EIGRP



## Task 1

Configure the following loopback interfaces based on the following chart:

Router	Interface/IP address
R1	Lo0 – 1.1.1.1/24
R2	Lo0 – 2.2.2.2/24
R3	Lo0 – 3.3.3.3/24
R4	Lo0 – 4.4.4.4/24
R5	Lo0 – 5.5.0.5/24 Lo1 – 5.5.1.5/24 Lo2 – 5.5.2.5/24 Lo3 – 5.5.3.5/24 Lo4 – 5.5.4.5/24 Lo5 – 5.5.5.5/24 Lo6 – 5.5.6.5/24 Lo7 – 5.5.7.5/24
R6	Lo0 – 6.6.0.6/24 Lo1 – 6.6.1.6/24 Lo2 – 6.6.2.6/24 Lo3 – 6.6.3.6/24

## **Task 2**

Configure EIGRP Name on all routers and all interfaces including the loopback interfaces.

## **Task 3**

Configure Hmac-Sha-256 authentication between R1 and R2 using cisco12 as the password.

## **Task 4**

Configure MD5 authentication between routers R3 and R6 using cisco as the password.

## **Task 5**

Configure R5 to summarize its Loopback interfaces in a single summary.

## **Task 6**

Configure R3 to filter R6's loopbacks 0 and 1. You should use a single statement in the access-list to accomplish this task.

## **Task 7**

R2 should have full reachability to all routes including all loopback interfaces.