1)Dividing Head Server

a)1SplitAssignServer.py:

Divide the file into packet and send them to Hosts

b)2MessageServer.py:

Send the client to the Host where his desired packet is present

c)InputFile:

Contains the Input text file required by 1SplitAssignServer.py

d)Spli:

Contains the packets

2)Host1

a)1Host1.py:

Takes the packets assigned by main server(SplitAssignServer.py)

b)2FileServer.py:

Send the packets to the Client

c)DataHost1:

Contains all Packets assigned by main server

3)Host2

a)1Host2.py:

Takes the packets assigned by main server(SplitAssignServer.py)

b)2FileServer.py:

Send the packets to the Client

c)DataHost2:

Contains all Packets assigned by main server

4)Host1

a)1Host3.py:

Takes the packets assigned by main server(SplitAssignServer.py)

b)2FileServer.py:

Send the packets to the Client

c)DataHost3:

Contains all Packets assigned by main server

5)Host1

a)1Host3.py:

Takes the packets assigned by main server(SplitAssignServer.py)

b)2FileServer.py:

Send the packets to the Client

c)DataHost3:

Contains all Packets assigned by main server

6)Client

a)2MessageClient.py:

Request the Server to tell him the destination of his desired Packet(Contacts to

2MessageServer.py )

b)3FileClient.py:

Request the Host Server to provide The desired Packet

c)Data:

puts the packet in this folder

SplitAssignServer.py

Runs 1 time Performs Calculation to distribute file into packages at Hosts the information Information Server

1)

Ip=127.0.0.1

P3

Ip=127.0.0.2

Ip=127.0.0.2

Ip=127.0.0.2

P2

Host2.py

Host3.py

Host4.py

Host1.py

Request for address Packages p1 p2 and p3

2)

MessageServer.py

MessageClient.py

Request for address Packages p1 p2 and p3

FileClient.py

.py

3)

Ip=127.0.0.2

P1

P2

Client approaches Host1 and Host2 to get packet p1,p2 and p3

Ip=127.0.0.1

P1

P3

Ip=127.0.0.2

P2

P3

Ip=127.0.0.2

P1

P2

FileServer.py

FileServer.py

FileServer.py

FileServer.py