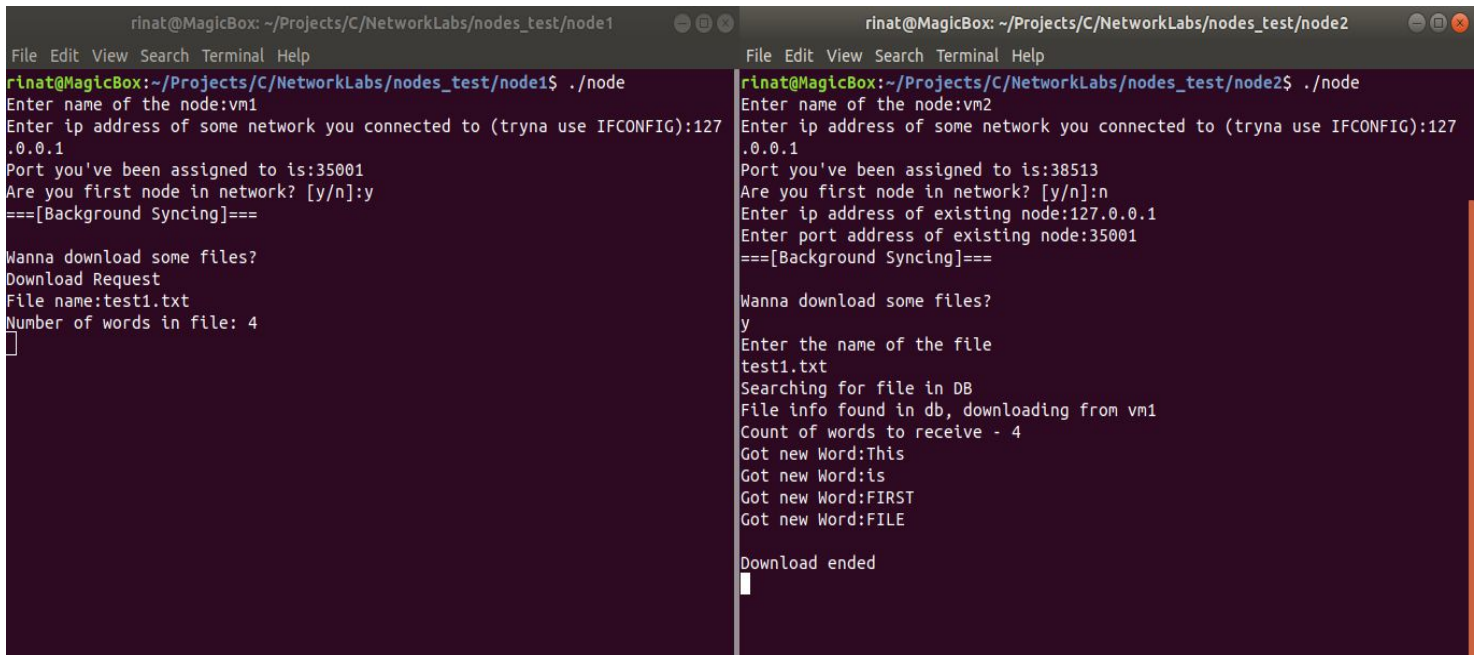


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Network Lab 9 Report

Support we have three nodes (for now let them work on localhost).
node 1 has file test1.txt, node 2 has file test2.txt, node 3 has file test3.txt

First let's connect node1 to node2, and request test1.txt from second machine:



```
rinat@MagicBox: ~/Projects/C/NetworkLabs/nodes_test/node1
File Edit View Search Terminal Help
rinat@MagicBox:~/Projects/C/NetworkLabs/nodes_test/node1$ ./node
Enter name of the node:vm1
Enter ip address of some network you connected to (tryna use IFCONFIG):127.0.0.1
Port you've been assigned to is:35001
Are you first node in network? [y/n]:y
===[Background Syncing]===

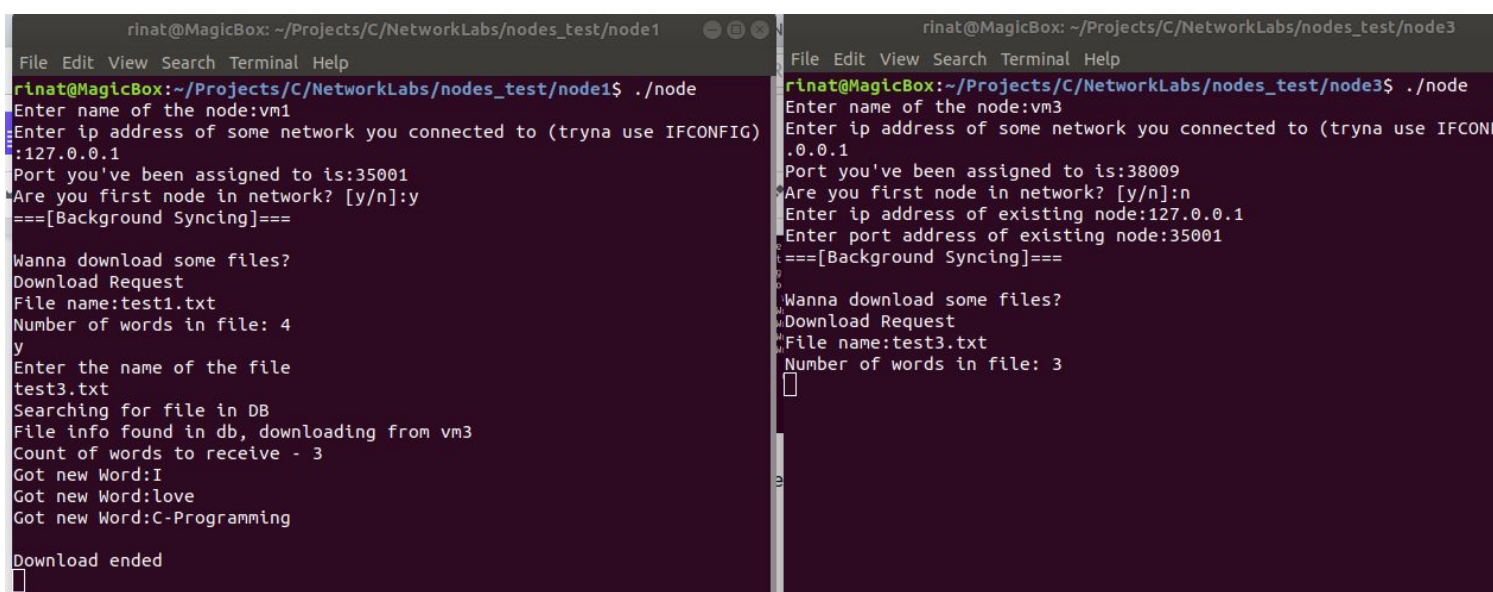
Wanna download some files?
Download Request
File name:test1.txt
Number of words in file: 4
[ ]

rinat@MagicBox:~/Projects/C/NetworkLabs/nodes_test/node2$ ./node
Enter name of the node:vm2
Enter ip address of some network you connected to (tryna use IFCONFIG):127.0.0.1
Port you've been assigned to is:38513
Are you first node in network? [y/n]:n
Enter ip address of existing node:127.0.0.1
Enter port address of existing node:35001
===[Background Syncing]===

Wanna download some files?
y
Enter the name of the file
test1.txt
Searching for file in DB
File info found in db, downloading from vm1
Count of words to receive - 4
Got new Word:This
Got new Word:is
Got new Word:FIRST
Got new Word:FILE

Download ended
[ ]
```

Now we will connect node 3 to node 1 and download test3.txt to node 1



```
rinat@MagicBox: ~/Projects/C/NetworkLabs/nodes_test/node1
File Edit View Search Terminal Help
rinat@MagicBox:~/Projects/C/NetworkLabs/nodes_test/node1$ ./node
Enter name of the node:vm1
Enter ip address of some network you connected to (tryna use IFCONFIG):127.0.0.1
Port you've been assigned to is:35001
Are you first node in network? [y/n]:y
===[Background Syncing]===

Wanna download some files?
Download Request
File name:test1.txt
Number of words in file: 4
y
Enter the name of the file
test3.txt
Searching for file in DB
File info found in db, downloading from vm3
Count of words to receive - 3
Got new Word:I
Got new Word:love
Got new Word:C-Programming

Download ended
[ ]

rinat@MagicBox:~/Projects/C/NetworkLabs/nodes_test/node3$ ./node
Enter name of the node:vm3
Enter ip address of some network you connected to (tryna use IFCONFIG):127.0.0.1
Port you've been assigned to is:38009
Are you first node in network? [y/n]:n
Enter ip address of existing node:127.0.0.1
Enter port address of existing node:35001
===[Background Syncing]===

Wanna download some files?
Download Request
File name:test3.txt
Number of words in file: 3
[ ]
```

Now we will shutdown node 1 and try to download test1.txt t node3

```
rinat@MagicBox: ~/Projects/C/NetworkLabs/nodes_test/node1
File Edit View Search Terminal Help
rinat@MagicBox:~/Projects/C/NetworkLabs/nodes_test/node1$ ./node
Enter name of the node:vm1
Enter ip address of some network you connected to (tryna use IFCONFIG)
:127.0.0.1
Port you've been assigned to is:35001
Are you first node in network? [y/n]:y
===[Background Syncing]===

Wanna download some files?
Download Request
File name:test1.txt
Number of words in file: 4
y
Enter the name of the file
test3.txt
Searching for file in DB
File info found in db, downloading from vm3
Count of words to receive - 3
Got new Word:I
Got new Word:love
Got new Word:C-Programming

Download ended
^C
rinat@MagicBox:~/Projects/C/NetworkLabs/nodes_test/node1$
```

```
rinat@MagicBox: ~/Projects/C/NetworkLabs/nodes_test/node2
File Edit View Search Terminal Help
rinat@MagicBox:~/Projects/C/NetworkLabs/nodes_test/node3$ ./node
Enter name of the node:vm3
Enter ip address of some network you connected to (tryna use IFCONFIG)
Port you've been assigned to is:38009
Are you first node in network? [y/n]:n
Enter ip address of existing node:127.0.0.1
Enter port address of existing node:35001
===[Background Syncing]===

Wanna download some files?
Download Request
File name:test3.txt
Number of words in file: 3
y
node deletedEnter the name of the file
test1.txt
Searching for file in DB
File info found in db, downloading from vm2
Count of words to receive - 5
Got new Word:This
Got new Word:is
Got new Word:FIRST
Got new Word:FILE
```

As we see everything works fine