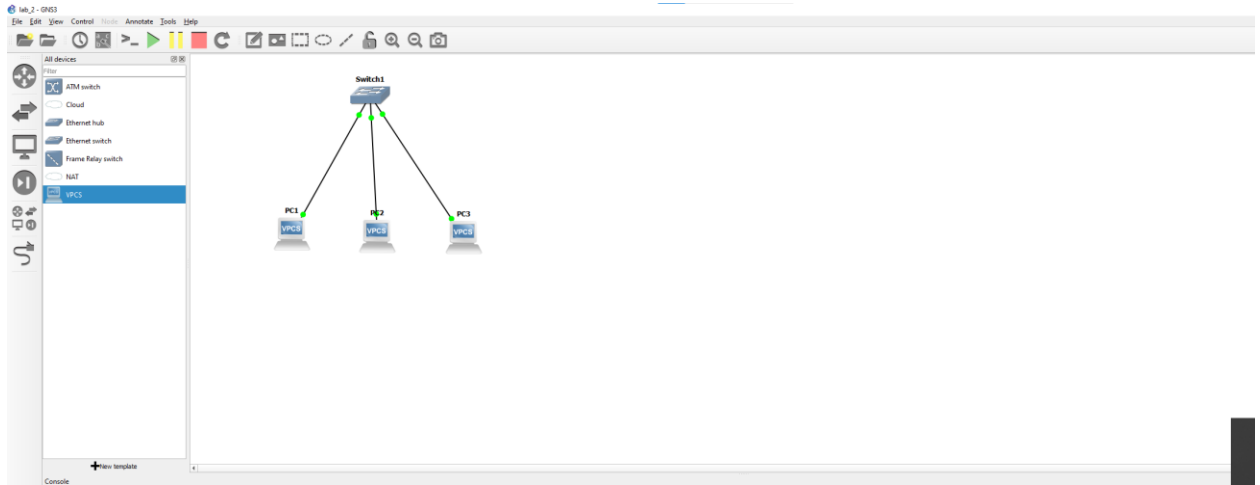


Kip taylor

Lab 2

1. Screenshots



Welcome to Virtual PC Simulator, version 0.6.2
Dedicated to Daling.
Build time: Apr 10 2019 02:42:20
Copyright (c) 2007-2014, Paul Meng (mirnshi@gmail.com)
All rights reserved.

VPCS is free software, distributed under the terms of the "BSD" licence.
Source code and license can be found at vpcs.sf.net.
For more information, please visit wiki.freecode.com.cn.

Press '?' to get help.

Executing the startup file

```
PC1> ip 10.1.1.1 255.255.255.0  
Checking for duplicate address...  
PC1 : 10.1.1.1 255.255.255.0
```

```
PC1> ping 10.1.1.2  
84 bytes from 10.1.1.2 icmp_seq=1 ttl=64 time=0.331 ms  
84 bytes from 10.1.1.2 icmp_seq=2 ttl=64 time=0.331 ms  
84 bytes from 10.1.1.2 icmp_seq=3 ttl=64 time=0.331 ms  
84 bytes from 10.1.1.2 icmp_seq=4 ttl=64 time=0.395 ms  
84 bytes from 10.1.1.2 icmp_seq=5 ttl=64 time=0.441 ms
```

```
PC1> ping 10.1.1.3  
84 bytes from 10.1.1.3 icmp_seq=1 ttl=64 time=0.342 ms  
84 bytes from 10.1.1.3 icmp_seq=2 ttl=64 time=0.380 ms  
84 bytes from 10.1.1.3 icmp_seq=3 ttl=64 time=0.380 ms  
84 bytes from 10.1.1.3 icmp_seq=4 ttl=64 time=0.384 ms  
84 bytes from 10.1.1.3 icmp_seq=5 ttl=64 time=0.378 ms
```

```
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All rights reserved.
```

```
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```

```
Press '?' to get help.
```

```
Executing the startup file
```

```
PC2> ip 10.1.1.2 255.255.255.0
Checking for duplicate address...
PC1 : 10.1.1.2 255.255.255.0
```

```
PC2> ping 10.1.1.1
84 bytes from 10.1.1.1 icmp_seq=1 ttl=64 time=0.370 ms
84 bytes from 10.1.1.1 icmp_seq=2 ttl=64 time=0.379 ms
84 bytes from 10.1.1.1 icmp_seq=3 ttl=64 time=0.354 ms
84 bytes from 10.1.1.1 icmp_seq=4 ttl=64 time=0.348 ms
84 bytes from 10.1.1.1 icmp_seq=5 ttl=64 time=0.422 ms
```

```
PC2> ping 10.1.1.3
84 bytes from 10.1.1.3 icmp_seq=1 ttl=64 time=0.321 ms
84 bytes from 10.1.1.3 icmp_seq=2 ttl=64 time=0.399 ms
84 bytes from 10.1.1.3 icmp_seq=3 ttl=64 time=0.353 ms
84 bytes from 10.1.1.3 icmp_seq=4 ttl=64 time=0.384 ms
84 bytes from 10.1.1.3 icmp_seq=5 ttl=64 time=0.383 ms
```

```
PC2> █
```

```
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Dedicated to Daling.
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All rights reserved.
```

```
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For more information, please visit wiki.freecode.com.cn.
```

```
Press '?' to get help.
```

```
Executing the startup file
```

```
PC3> ip 10.1.1.3 255.255.255.0
Checking for duplicate address...
PC1 : 10.1.1.3 255.255.255.0
```

```
PC3> ping 10.1.1.1
84 bytes from 10.1.1.1 icmp_seq=1 ttl=64 time=0.387 ms
84 bytes from 10.1.1.1 icmp_seq=2 ttl=64 time=0.395 ms
84 bytes from 10.1.1.1 icmp_seq=3 ttl=64 time=0.447 ms
84 bytes from 10.1.1.1 icmp_seq=4 ttl=64 time=0.414 ms
84 bytes from 10.1.1.1 icmp_seq=5 ttl=64 time=0.377 ms
```

```
PC3> ping 10.1.1.2
84 bytes from 10.1.1.2 icmp_seq=1 ttl=64 time=0.359 ms
84 bytes from 10.1.1.2 icmp_seq=2 ttl=64 time=0.338 ms
84 bytes from 10.1.1.2 icmp_seq=3 ttl=64 time=0.482 ms
84 bytes from 10.1.1.2 icmp_seq=4 ttl=64 time=0.475 ms
84 bytes from 10.1.1.2 icmp_seq=5 ttl=64 time=0.413 ms
```

Questions:

2. The delays are not identical but similar , this is due to nature of the machines and uncontrollable factors , normal delay shown in all other previous attempts , as in our last project too.
3. Yes, because latency between pc 1 and pc3 is similar going the other way like going 1 , 3 to 1. So yes.