

Cluster Master Layout

NOTE: BOTH SERVERS ARE IDENTICAL EXCEPT ETH0 LOCAL IP

Server IP's :

LAN IP Range = 192.168.1.*

```
192.168.1.30 = Virtual_IP
192.168.1.10 = node1 eth0
192.168.1.20 = node2 eth0
```

DRBD Network :

DRBD Network is Back2Back Nic's directly Connected.

Using a /30 bitmask with only 2 Usable IP's. (Network Map at Bottom), increment port number in DRBD res config.

<http://serverfault.com/questions/328804/direct-ethernet-link-between-two-servers>

```
drbd# on node1 = 10.1.1.1:778{8,9..}
drbd# on node2 = 10.1.1.2:778{8,9..}
```

Disk Layout :

```
/dev/sda = OS
/dev/sdb1 = drbd1 = SQL
/dev/sdb2 = drbd2 = APACHE
/dev/sdb3 = drbd3 = DATA
```

/etc/hosts

```
127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4
::1 localhost localhost.localdomain localhost6 localhost6.localdomain6
192.168.1.10 node1.freesoftwaresevers.com node1
192.168.1.20 node2.freesoftwaresevers.com node2
```

/etc/hostname or /etc/sysconfig/network

```
node#.freesoftwaresevers.com
```

https://www.aelius.com/njh/subnet_sheet.html

/30 -- 64 Subnets -- 2 Hosts/Subnet

Network #	IP Range	Broadcast
.0	.1-.2	.3
.4	.5-.6	.7
.8	.9-.10	.11
.12	.13-.14	.15
.16	.17-.18	.19
.20	.21-.22	.23
.24	.25-.26	.27
.28	.29-.30	.31

.32	.33-.34	.35
.36	.37-.38	.39
.40	.41-.42	.43
.44	.45-.46	.47
.48	.49-.50	.51
.52	.53-.54	.55
.56	.57-.58	.59
.60	.61-.62	.63
.64	.65-.66	.67
.68	.69-.70	.71
.72	.73-.74	.75
.76	.77-.78	.79
.80	.81-.82	.83
.84	.85-.86	.87
.88	.89-.90	.91
.92	.93-.94	.95
.96	.97-.98	.99
.100	.101-.102	.103
.104	.105-.106	.107
.108	.109-.110	.111
.112	.113-.114	.115
.116	.117-.118	.119
.120	.121-.122	.123
.124	.125-.126	.127
.128	.129-.130	.131
.132	.133-.134	.135
.136	.137-.138	.139
.140	.141-.142	.143
.144	.145-.146	.147
.148	.149-.150	.151
.152	.153-.154	.155
.156	.157-.158	.159
.160	.161-.162	.163
.164	.165-.166	.167
.168	.169-.170	.171
.172	.173-.174	.175
.176	.177-.178	.179
.180	.181-.182	.183
.184	.185-.186	.187
.188	.189-.190	.191
.192	.193-.194	.195

.196	.197-.198	.199
.200	.201-.202	.203
.204	.205-.206	.207
.208	.209-.210	.211
.212	.213-.214	.215
.216	.217-.218	.219
.220	.221-.222	.223
.224	.225-.226	.227
.228	.229-.230	.231
.232	.233-.234	.235
.236	.237-.238	.239
.240	.241-.242	.243
.244	.245-.246	.247
.248	.249-.250	.251
.252	.253-.254	.255