

**BigBlueButton cluster for 1000 online users
(in multiple rooms/multiple classes)**

Required hardware:

- 1) 1 x Load Balancer server (16GB RAM, 1 x E3-1230 CPU (4c / 8t))
- 2) 1 x TURN server (4GB RAM, 2 CPU cores, 80GB storage)
- 3) 1 x NAS SSD storage (8TB RAID10 storage)
- 4) 5 x Worker Nodes (32GB RAM, Intel Quad-Core Xeon E-2274G)

Setup fee: \$0 USD

Setup time: 3-5 working days

Total: \$780 USD/month

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Worker Node Hardware

(hardware might be slightly different depending on region)

- CPU : 1x Intel Quad-Core Xeon E-2274G (or equivalent)
- RAM : 32GB DDR4
- Hard Disk : 2x4TB SATA
- Software RAID : RAID1 (Mirror)
- OS : Ubuntu 16.04 (64 bit)
- BigBlueButton
- Uplink Port Speed : 1 x 1000Mbps Full-Duplex
- Bandwidth : 10 TB (Volume)
- IPv4 : 1