

SINGER | Server Specification | FaceTone

Per Host : Two Intel Xeon 10 Core , 64GB (4 x 16GB) Memory, 6 x IBM 600GB SAS Disk

Production for 60 Concurrent High Available with Clustering

Server/Host No.	Server Name (VM)	vCPU	RAM (GB)	HDD	OS	Assigned IP	VM Name	UserName	Password
01.	CCSTGSRV01	20	64	1800		172.16.11.10		root	password
1	Free Switch	4	4	40	Debian 8	172.16.11.131	CC_fssvr1	root	Duo\$@2016
2	Data/Utility (PostgreSQL, MongoDB)	4	8	500	Ubuntu 14.04 LTS	172.16.11.3	CC_dbsvr1	root	Duo\$@2016
3	Web Server (Apache, Agent console, Admin console)	4	8	40	Ubuntu 14.04 LTS	172.16.11.67	CC_websvr1	root	Duo\$@2016
4	App Server (All Duo services)	4	8	40	Ubuntu 14.04 LTS	172.16.11.35	CC_appsvr1	root	Duo\$@2016
5	SIP Load Balance (IVR scripts)	1	1	10	Ubuntu 14.04 LTS	172.16.11.132	CC_siplsvr1	root	Duo\$@2016
6	Redis Server (Redis, Graphite, RabbitMQ)	4	4	100	Ubuntu 14.04 LTS	172.16.11.4	CC_redissvr1	root	Duo\$@2016
7	PostgreSQL	8	8	500	Ubuntu 14.04 LTS	172.16.11.5	CC_postgresqlsvr1	root	Duo\$@2016
8	DNS Server	1	1	15	Ubuntu 14.04 LTS	172.16.11.163	CC_dnssvr1	root	Duo\$@2016
	Total	32	50	1245					
02.	CCSTGSRV03	20	64	1800		172.16.11.11		root	password
1	Web Server (Agent console)	4	8	40	Ubuntu 14.04 LTS	172.16.11.68	CC_websvr2	root	Duo\$@2016
2	Data/Utility (PostgreSQL, MongoDB)	4	8	500	Ubuntu 14.04 LTS	172.16.11.6	CC_dbsvr2	root	Duo\$@2016
3	App Server (All Duo services)	4	8	40	Ubuntu 14.04 LTS	172.16.11.36	CC_appsvr2	root	Duo\$@2016
4	HTTP Load Balance (HA Proxy, Keepalived)	1	1	10	Ubuntu 14.04 LTS	172.16.11.99	CC_httplbsvr2	root	Duo\$@2016
5	SIP Load Balance (IVR scripts)	1	1	10	Ubuntu 14.04 LTS	172.16.11.133	CC_siplsvr2	root	Duo\$@2016
6	Empty server (Docker)	8	8	100	Ubuntu 14.04 LTS	172.16.11.37	CC_dockersvr2	root	Duo\$@2016
	Total	24	42	800					
03.	CCSTGSRV03	20	64	1800		172.16.11.12		root	password
1	Free Switch	4	4	40	Debian 8	172.16.11.134	CC_fssvr3	root	Duo\$@2016
2	Data/Utility (PostgreSQL, MongoDB)	4	8	500	Ubuntu 14.04 LTS	172.16.11.7	CC_dbsvr3	root	Duo\$@2016
3	App Server(All Duo services)	4	8	40	Ubuntu 14.04 LTS	172.16.11.38	CC_appsvr3	root	Duo\$@2016
4	HTTP Load Balance (HA Proxy, Keepalived)	1	1	10	Ubuntu 14.04 LTS	172.16.11.100	CC_httpsvr3	root	Duo\$@2016
5	Redis Server (Redis)	4	4	100	Ubuntu 14.04 LTS	172.16.11.8	CC_redissvr3	root	Duo\$@2016
6	Empty server (Docker)	8	8	100	Ubuntu 14.04 LTS	172.16.11.39	CC_dockersvr3	root	Duo\$@2016
7	DNSServer	1	1	15	Ubuntu 14.04 LTS	172.16.11.164	CC_dnssvr2	root	Duo\$@2016
	Total	28	42	815					

Total VMs : 19

Total RAM : 132

Total Cores : 82

Other Information

Plan	Description
PostgreSQL has to be configured for master slave replication	Server one act as Master, server three act as Slave

Redis configuration	For the Redis configuration four IP addresses are going to allocate one virtual IP among them and rest three IPs for clustering servers
Mongo DB configuration	Three IPs addresses to replicate MongoDB
Load Balance Configuration	For setting up HA proxy, three IPs one virtual IP for configuring (HAproxy Keepalived) rest are for the servers
Web servers	Agent consoles have to be setup in both web Servers and supervisor console in single server, and also server load balancing has to be done by singer end
IVR Script location	SIP load balance server as IVR server