Deploying a fault-tolerant PostgreSQL cluster on Pacemaker

PROFESSIONAL Postgres

postgrespro.ru

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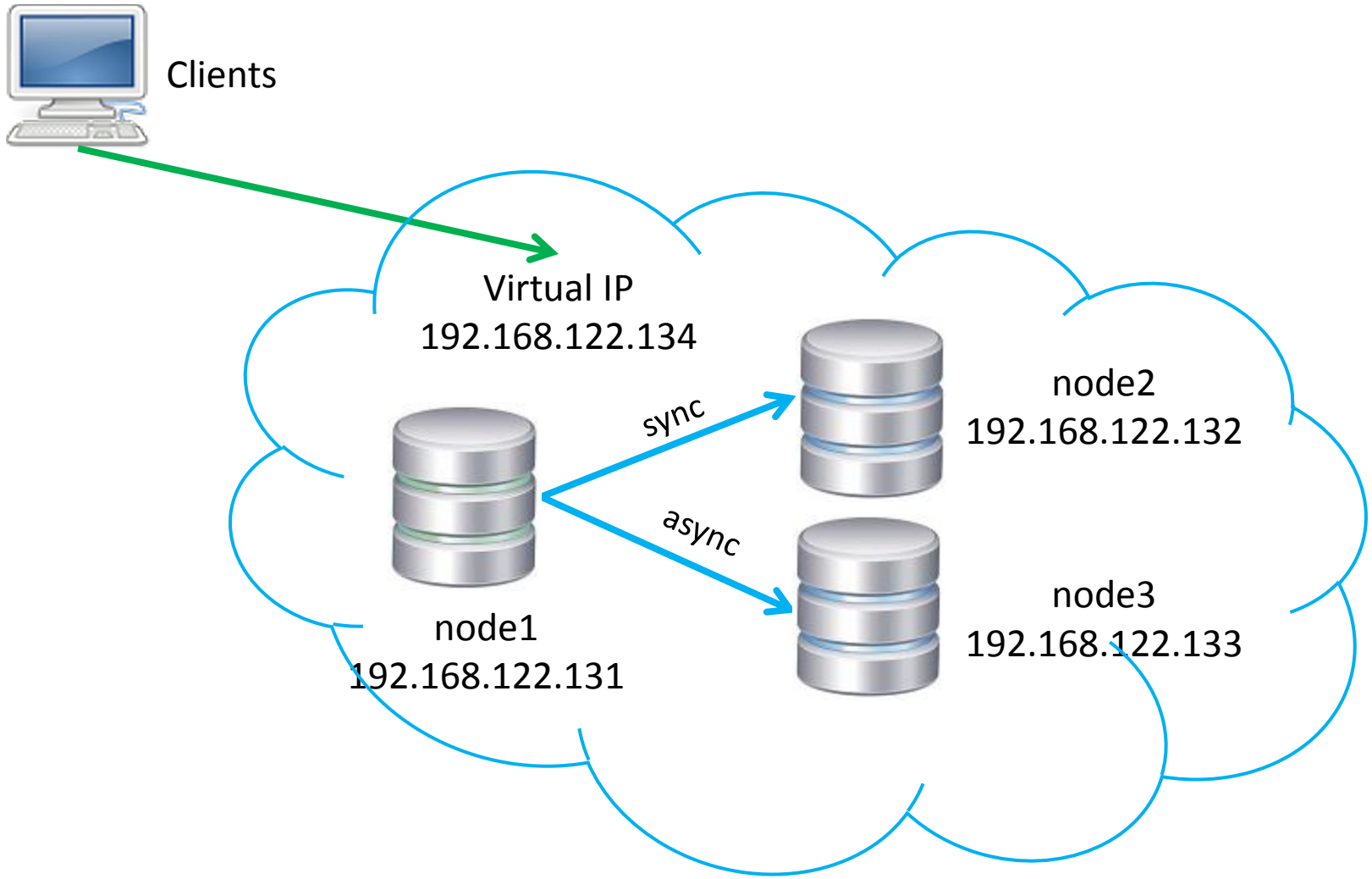
Postgres Pro

Cluster 3 nodes



Installed software

- CentOS, RHEL, Debian, Ubuntu и т.д.
- Corosync/Pacemaker
- PostgreSQL

Required settings

- Resolving node1, node2, node3
- Created Hypervisor-user (or user for IMPI/ILO), replication-user
- Allow in the connection firewall for Hypervisor:

VMWare – 443 tcp

KVM, VirtualBox – 22 tcp

IPMI/ILO – 623 udp

- Allow in the connection firewall between nodes:

corosync – 5405 udp

pcsd – 2224 tcp

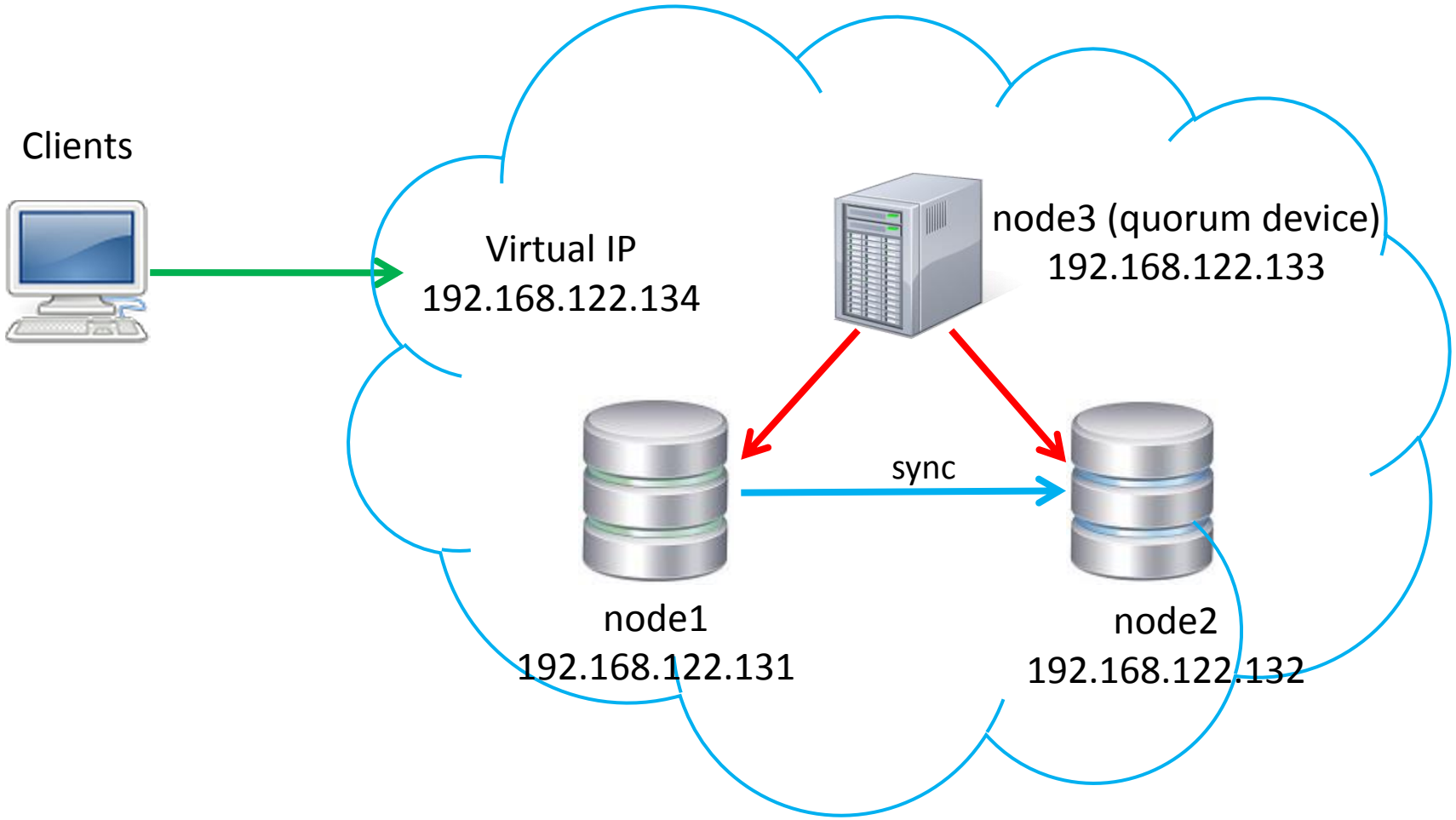
postgresql – 5432 tcp

ssh – 22 tcp

Required resources

- Resource ***vip-master*** type IPAddress2
- Resource ***super-pgsql*** type pgsql
- Fencing-agent ***fence-node1(2,3)*** type fence-virsh

Cluster 2+1 nodes



Troubleshooting

➢ Timeout fencing-agent

1. Increase a timeout

 # pcs stonith update fence-node1 fence_virsh … pcmk_monitor_timeout=120s

2. Ignore monitoring errors

 # pcs stonith update fence-node1 fence_virsh … op monitor on-fail="ignore"

➢ FATAL: WAL segment … has already been removed

postgresql.conf:

archive_mode = on

archive_command = 'pg_probackup push|scp|rsync %p /var/lib/pgpro/std-11/backups/%f'

 # pcs resource create|update super-pgsql …restore_command='scp|rsync /var/lib/pgpro/std-11/backups/%f %p'

Postgres Professional

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