Choose what works for your Business

SIP VS PRI

Choose SIP to

Get the ease of scaling the number of users or phone lines
Leverage intuitive web portals for call monitoring and management
Ensure high and consistent call quality
Avoid high costs of ownership

Choose PRI to

Get the ease of handling a high number of calls simultaneously
Leverage old analogue phones that make compatibility with IP-based technology difficult
Ensure business continuity with quick call rerouting to backup lines during emergencies
Avoid relying on data bandwidth for voice calls

What are they?

Session Initiation Protocol (SIP)
SIP establishes a voice communication channel over IP-based technology.
A SIP session is an easily scalable voice solution without the need to implement additional infra for scaling.

Primary Rate Interface (PRI)
PRI needs traditional PBX and PSTN phone systems for its setup.
A single PRI line delivers 30 channels for voice and data transmission, allowing a business to run 30 calls simultaneously.

Internet bandwidth determines number of deployable trunks.

Equipment

VIRTUAL Internet bandwidth determines number of deployable trunks.

PHYSICAL Each line is deployed via ISDN-compatible PRI hardware.

Scaling

VIRTUAL Scales up via software configuration change
Has on-demand bursting capabilities for peak call times

PHYSICAL Scales up via deployment of additional circuits and termination hardware wherein each new line brings 30 channels.

Costs

VIRTUAL Costs are lower than PRI as architecture does not involve circuits and hardware.
Pay only for the used capacity.

PHYSICAL Costs, calculated per circuit, are 30% to 40% higher than SIP.
Installation of each new line adds 30 channels, some of which may lie unused but generate bills.

Quality of Service

VIRTUAL Varying Internet usage patterns may affect voice call quality.
Call quality is superior as bandwidth is used only for voice communication.

PHYSICAL Call quality is superior as bandwidth is used only for voice communication.

Disaster recovery

VIRTUAL Automatic call rerouting to pre-defined sites/mobile phones if the active location goes offline.
Accommodates call diversity across vendors.

PHYSICAL Multiple circuits for failover and rerouting of calls.
Cell diversity across vendors is expensive.

Which suits your business?

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VIRTUAL QUICK GRADUAL
QUICK Scaling

PHYSICAL GRADUAL Scaling

VIRTUAL LOW AVERAGE HIGH
LOW Costs

PHYSICAL HIGH Costs, calculated per circuit, are 30% to 40% higher than SIP.
Installation of each new line adds 30 channels, some of which may lie unused but generate bills.

Quality of Service

VIRTUAL AVERAGE HIGH
AVERAGE Quality of Service

PHYSICAL HIGH Quality of Service

VIRTUAL DISASTER AVERAGE LOW
EFFECTLESS DISASTER AVERAGE LOW
EFFECTLESS Disaster recovery

PHYSICAL AVERAGE Disaster recovery

VIRTUAL VIRTUAL PHYSICAL
SIP PRI