MONTHLY NEWSLETTER

Cutting Edge Security Solution - VPN, SBC (Session Border Controller) & Firewall

Vol 6 Issue 6 June 2021

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INTRODUCTION

Network security is a major concern for growing businesses today. Data and infrastructure is open to risk as more users log into apps, browse the internet and visitors use business Wi-Fi to connect personal devices. It’s important to have an authentication and authorisation system in place that lets you monitor traffic, identify new users, and approve or block access.

VPN - Virtual Private Network

- A private network, or VPN, is an encrypted connection over virtual the Internet from a device to a network.
- The encrypted connection helps ensure that sensitive data is safely transmitted.
- VPN prevents unauthorized people from eavesdropping on the traffic and allows the user to conduct work remotely.
- VPN technology is widely used in corporate environments.
- Create a single shared network between multiple office locations.

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*ast VPN - Features & Benefits

- **Simple, secure access :**
  Empower employees to work from anywhere, on company laptops or personal mobile devices, at any time. Gain endpoint visibility across the extended enterprise.

- **Deep Visibility & Control :**
  Prevent breaches. Continuously monitor all file behavior to uncover stealthy attacks. Detect, block, and remediate advanced malware across endpoints.

- **A Workaround for Public Networks :**
  *ast VPN allows you to securely access websites or portals containing sensitive information while on a public network, such as at a cafe or coffee shop.

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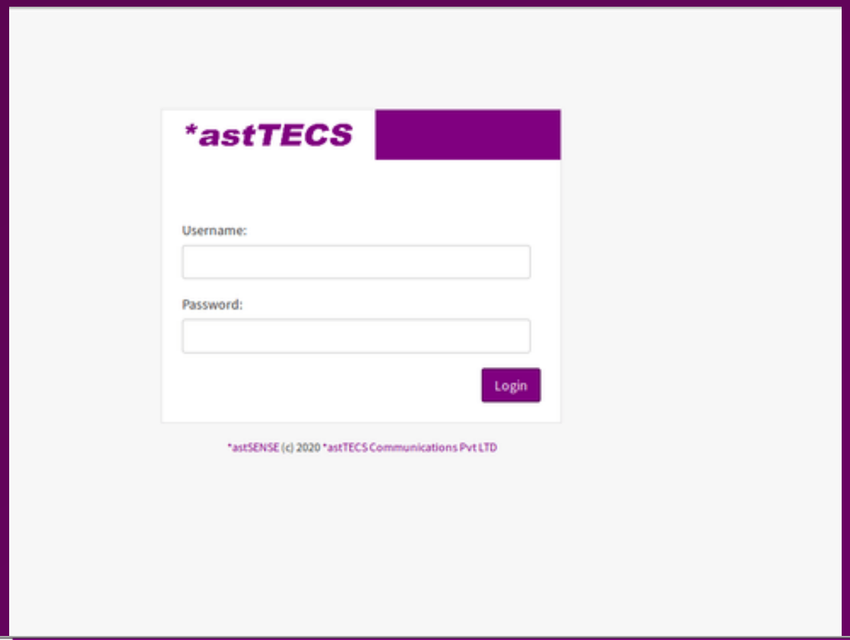
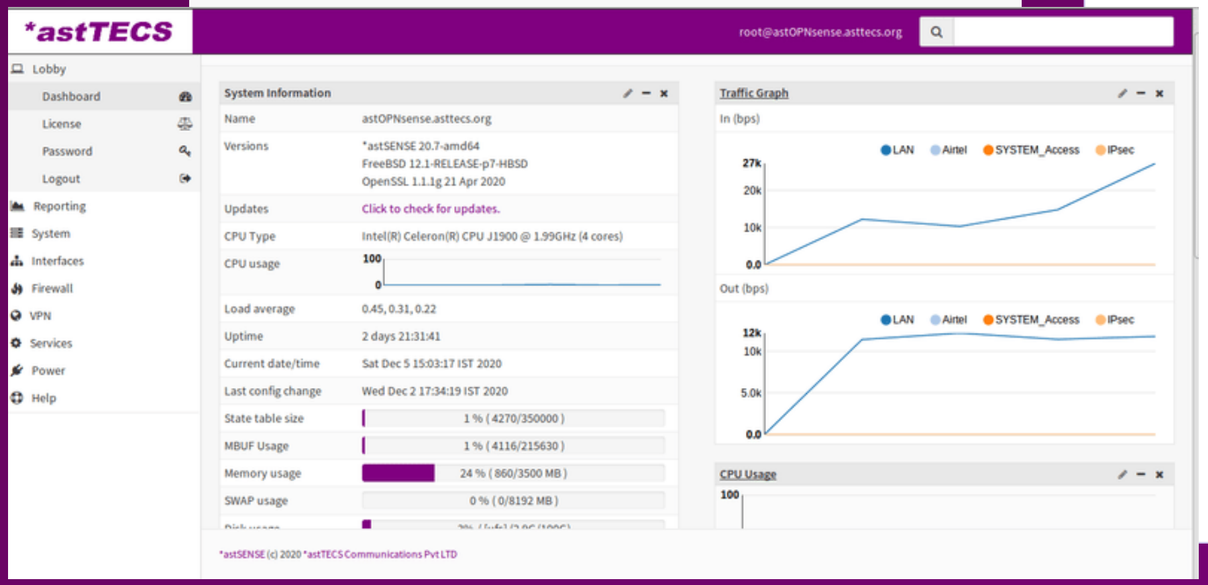
*ast VPN - Features & Benefits





- **Enhanced Security :**
  The ultimate reason to use *ast VPN is also the most obvious: Greater online security, keep your data safe from hackers and trackers.

- **Affordability:**
  There’s never been a better time to use *ast VPN than this very moment and that’s because some of these networks are surprisingly affordable.

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SBC - Session Border Controller

A Session Border Controller (SBC) will allow you to connect your remote workers and SIP trunk(s) securely to your phone system without compromising security, automatically detecting VoIP threats and taking action.

Additionally, *ast SBCs can automatically translate codecs and audio with built-in interoperability and transcoding capabilities.

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SBC - Features

Call Routing:

- Multiple SIP Registrars
- Multilevel Alternative Routing
- QoS Monitoring & Routing
- Header & Number manipulation

Call Manipulation:

- Codec Translation & Transrating
- Overlap / En-block Conversions
- Security IP address & Port Blocking
- Black/White List.

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SBC - Features

Security:

- Topology hiding
- Self learning VoIP Firewall
- Toll fraud prevention
- Integrated SIP registrar and location server
- Full IP routings & firewall capabilities

Advanced Features:

- NAT Traversal
- Remote provisioning
- TDM & LTE / UMTS backup
- Low power consumption.

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SBC - Benefits

Connectivity:
Calls are routed much faster, SBC route phone traffic through internal IPs rather than traditional circuit phone networks.

Quality: SBC improves call quality and enhances ease of use.

Interoperability & Consistency:
Integration of a SBC can help with quality consistency, alleviating missed or dropped calls, poor call quality, or both.

Safety:
Once the SBC identifies a potential threat, it can rapidly block the problem, notify the Central Processing Unit (CPU)

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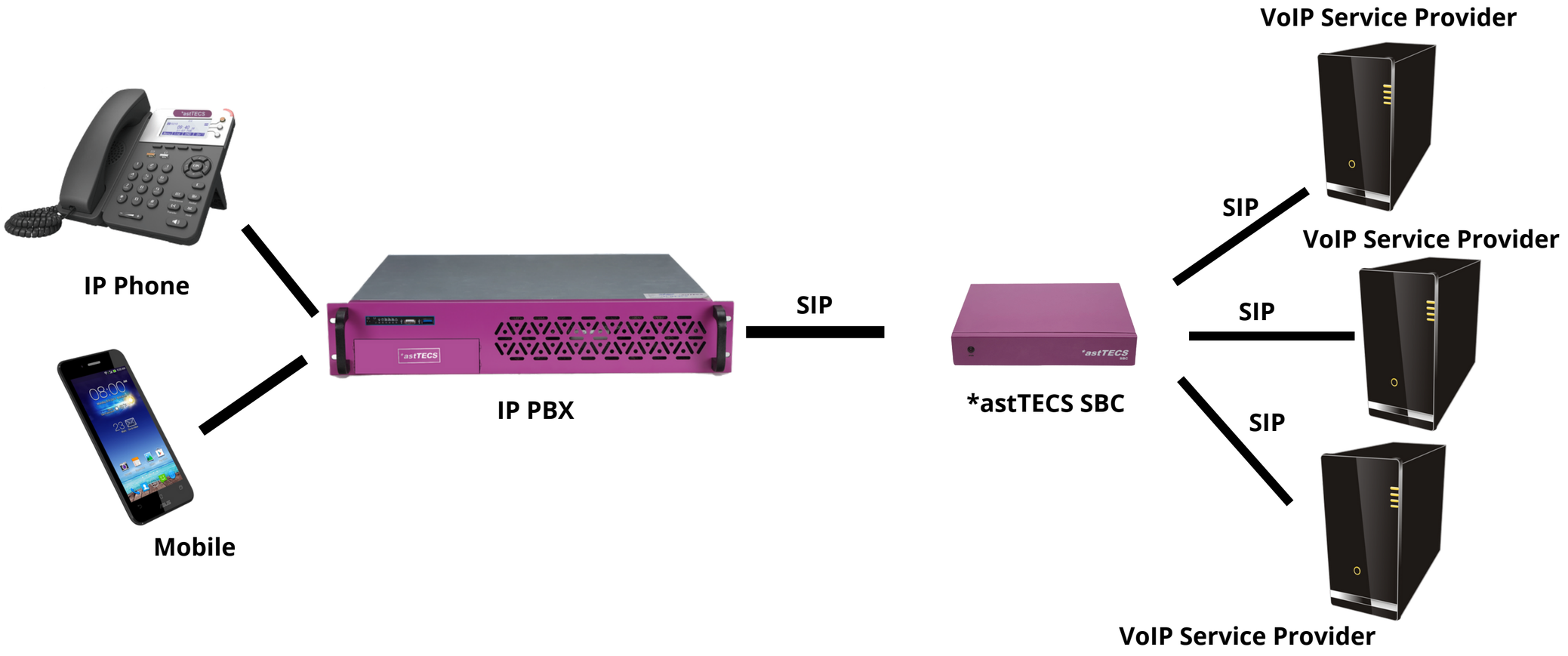
ARCHITECHTURE



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Firewall

A firewall is a security device — computer hardware or software — that can help protect your network by filtering traffic and blocking outsiders from gaining unauthorized access to the private data on your computer.

Features

- VoIP Security
- WAN Optimisation
- Application control – recognises applications based on behaviour
- Web filtering categorises more than million websites.

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Firewall - Benefits

- Multiple layers of security.
- Provides you with the ability to enforce VoIP security on your network
- Combination of multi-threat security, traffic optimisation and VPN technologies provide clean, accelerated and secured communications.
- Provides you with comprehensive protection combined with granular and business relevant policies
- Provides you with simplified, optimised and acceptable use policies so you can limit browsing to certain sites if needed.

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TECHNICAL SUPPORT

- 24/7 Technical Support
- We constantly strive to give business value and ROI to customers.
- Work closely to deliver quality and efficient support.
- Flexible and cost effective support packages.
- 99% remotely supportable hence maximum up-time.

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Why *astTECS ?

- 24/7 Technical Support
- ISO Certified
- TEC Certified
- Open Source & License free
- Integration with Third -Party Apps
- Industry Specific Customized Solutions
- 12+ Years of successful client Association

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ABOUT US

*astTECS is a leading brand in end to end unified communications, offering wide range of cutting edge enterprise telecom products based on open source technology. Headquartered in Bengaluru, India.

PRODUCTS & SERVICES

IP PBX, Call Center Dialer, IVR Solution, Voice Logger, VoIP Minutes, Voice Blasting Solution, PRI Gateway, IP Phones, PRI Cards, Headsets, CRM Solution, 24/7 Support

ACCREDITATIONS

CERTIFIED ISO 9001:2015 COMPANY

TC Certified

RED HERRING GLOBAL 100 WINNER

FCC Federal Communications Commission

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Talk to us

*astTECS Communications Pvt Ltd
#35, Krishna Reddy Layout Domlur
Bangalore -560071, India

+91-80-66406640
sales@asttecs.com
www.asttecs.com

THANK YOU