Empower innovation while securing your network boundaries

Use case

Nokia Session Border Controller (SBC) enables you to use IP and cloud communication technologies to capitalize on data and device innovation and protect your network from external attacks.
Challenges

The ongoing explosion of new devices, data streams and communication protocols is creating opportunities for enterprises to spur innovation and growth. To seize these opportunities for your business, you need to rapidly adopt new technology. You also need to securely control and manage IP communication streams as they cross your network boundaries—regardless of whether these streams are meant to reach employees, partners or customers.

How Nokia SBC helps you

Our SBC helps you to protect your network and accelerate innovation by controlling the IP communication data streams that cross your network boundaries. By deploying Nokia SBC at your network’s access and interconnect borders, you can:

• Provide guaranteed bandwidth and quality of service (QoS) for IP-based voice and video streams
• Protect your business from denial-of-service (DoS) attacks of various types by securing inbound communication traffic at the network edge
• Prevent network traffic overload on your WAN through call admission control
• Quickly adopt new technologies that can make your services easier to use and enjoy, including WebRTC
• Realize the ideal cloud-based communications architecture for your network, whether you are using a public, private or hybrid cloud model

Control data traffic by deploying Nokia SBC at your network’s access and interconnect borders

Nokia SBC is a single centralized, cloud-based solution that provides both the Access SBC and Interconnect SBC functions.

<table>
<thead>
<tr>
<th>Mobile RAN/EPC</th>
<th>Internet/Wi-Fi</th>
<th>Fixed IP network</th>
<th>Enterprise SIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secured enterprise network</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Web pages</td>
<td>• B2E and B2C</td>
<td>• Conferencing</td>
<td>• Contact center</td>
</tr>
<tr>
<td>• Other apps</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Nokia SBC is a single centralized, cloud-based solution that provides both the Access SBC and Interconnect SBC functions.
Benefits

- Stimulate innovation and growth by using new IP and cloud technologies to support data communications for employees, partners, and customers
- Protect your business by controlling data streams, preventing traffic overload and securing your network from external attacks
- Provide better experiences to customers and employees by providing guaranteed quality for IP-based voice and video services

Make Nokia your partner

Our field-proven SBC enables enterprises and service providers to use IP technology to securely deliver high-quality voice, video and data services. It also provides a robust defense against DDoS attacks while continuously performing at rated capacity. We back our SBC with experience and stability that help you eliminate risk and optimize your operations.

To learn more about how Nokia SBC can help you unlock the value in secure data communications, visit https://networks.nokia.com/products/session-border-controller-for-enterprises.