

AE BROADCAST: INSTALLATION REQUIREMENTS AND CONFIGURATIONS

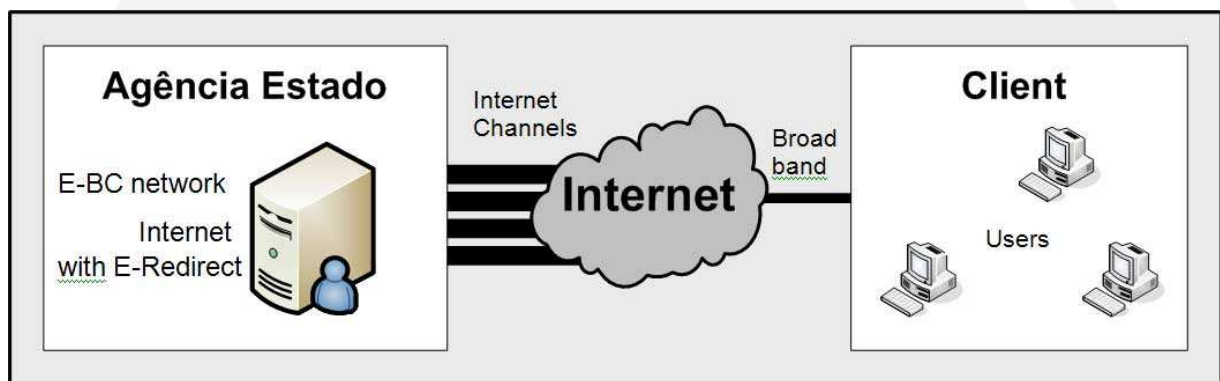
AE Broadcast

Pioneer in financial information and leader in the Brazilian market, AE Broadcast is a comprehensive, precise and reliable system that provides real time news, stock and commodities quotations, analyses, tools and graphs integrated on a single platform. We provide all of this functionalities to those who need agility and credibility for their decision making process about investments.

System Architecture

The AE Broadcast's architecture is based on the "Client-Server" connection. There is a client application installed in the user's desktop, called AE Broadcast, which communicates itself with the **e-bc** servers.

The client AE Broadcast is responsible for starting and ending the communication with the **e-bc** server. The proprietary communication protocol runs encapsulated in the Internet Protocol (IP), in unicast mode and also with fixed port TCP datagram (ports 44718 or 443).



The client-server connection is kept during all the service utilization time, however, in the case of loss of connection with the server, the client software automatically will make a new connection with other **e-bc** server.

Recommend requirements for AE Broadcast installation

- Intel Pentium 4 de 3 Ghz (or higher)
- RAM Memory: 1 GB RAM (or higher)
- Free space in hard disc: 25 MB
- Operational System: Windows XP Professional com Service Pack 2 (or higher)
- Browser: Internet Explorer 6
- Internet access to 512 Kbps ** (or higher)

** 50Kbps is the bandwidth average usage and it can vary depending on the amount of services acquired, exchange traded volume and available resource usage.

Firewall configurations in order to access the system and the services

Service	Connection origin	Port	Type	Connection Destination
AE Broadcast	User station	44718 or 443	TCP	200.196.192.0/19 (AS 14346 – Agência Estado)
Players/Ao Vivo/Consenso		80	TCP	