

P2P-TOOLS

Software for the next Internet generation for business-to-business applications

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P2P-TOOLS software modules enable flexible Peer-to-Peer (P2P) network structures to be built up for a wide range of innovative software solutions. They can be used flexibly and cost-effectively, without the need for additional hardware and customer-specific adaptation requirements, to implement company-wide Instant Messaging - and it doesn't matter whether the company has just a handful of employees or several thousand.

Users can set up secure ad-hoc working groups as required for new projects, for communications on a departmental level, for communications at management level, ... even beyond the limits of the company if required. And it doesn't matter whether you are out and about with your GPRS mobile phone, using a WLAN in a hotel or are sitting at your desk. The only requirement is an Intranet or Internet connection.

Parallel "Edge" searching and processing techniques in virtually any number of distributed stationary or mobile databases can be realised with the aid of just a few P2P-TOOLS software modules. This allows, for example, new, highly scalable online maintenance and teleservice concepts, as well as innovative new applications in the field of e-commerce, such as the search for products and services in distributed electronic catalogues using established standards like eCI@ss and BMEcat.

Possible fields of application are:

- Ad-hoc e-collaborations through flexible formations of working groups with Instant Messaging/Chat functionalities (screensharing, VoIP, videoconferencing, whiteboard, file sharing).
- P2P e-commerce applications like the comparative "Edge" searches in real-time for products and services on the basis of the eCI@ss classification in distributed BMEcat-structured databases (the "Napster" for products and services).
- Telematics applications such as teleservice and online maintenance for mobile and stationary users.
- Use of the "Edge" memories and CPU capacities of companies (grid storage and computing).
- XML-based company and process integration.
- "Edge" Content Management in distributed XML-structures.

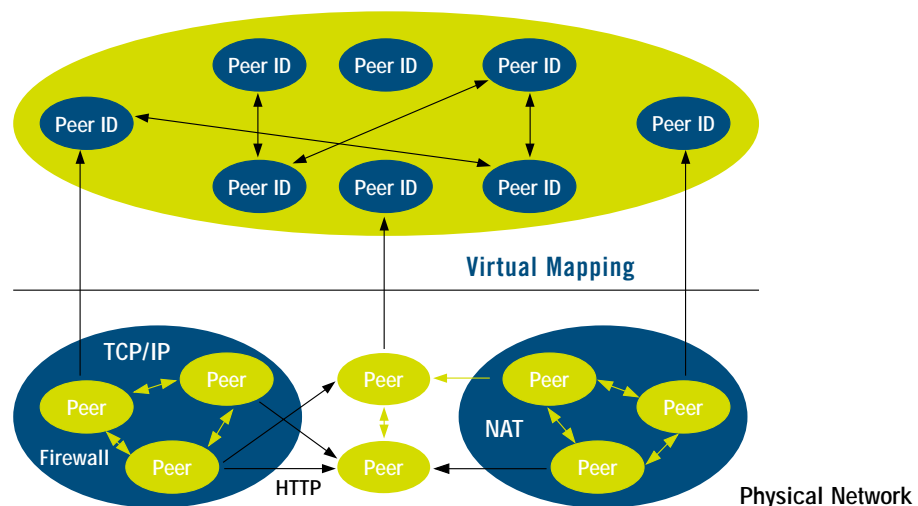
P2P-TOOLS systems technology

The P2P-TOOLS software modules are based on the Open Source P2P Software JXTA, on which several thousand developers are working around the globe. According to Forrester Research, JXTA is the platform with the best prospects for software applications for next Internet generation.

- Open Source for maximum investment security (mod. Apache license).
- Java technology (JVM) for software applications between stationary and mobile platforms of any size (sensors, mobile phones, PDAs, PCs, ...).
- Highly scalable (no need for central nodes/servers).
- End-to-end encoding, authentication, "Network of Trust" possible.
- Ad-hoc network technology enables flexible, demand-driven applications.
- The overlay network topology links users and processes from the widest variety of underlying physical networks.

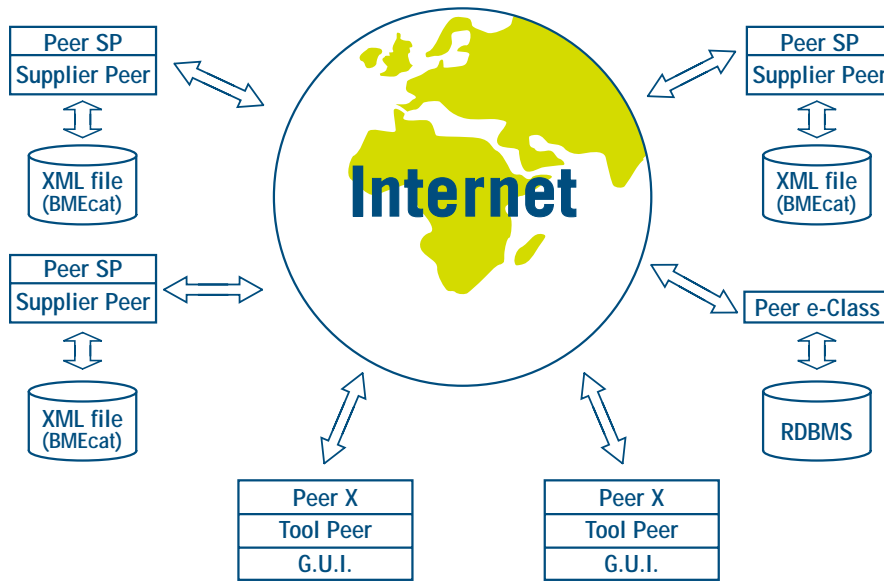
P2P-TOOLS

Virtual Network

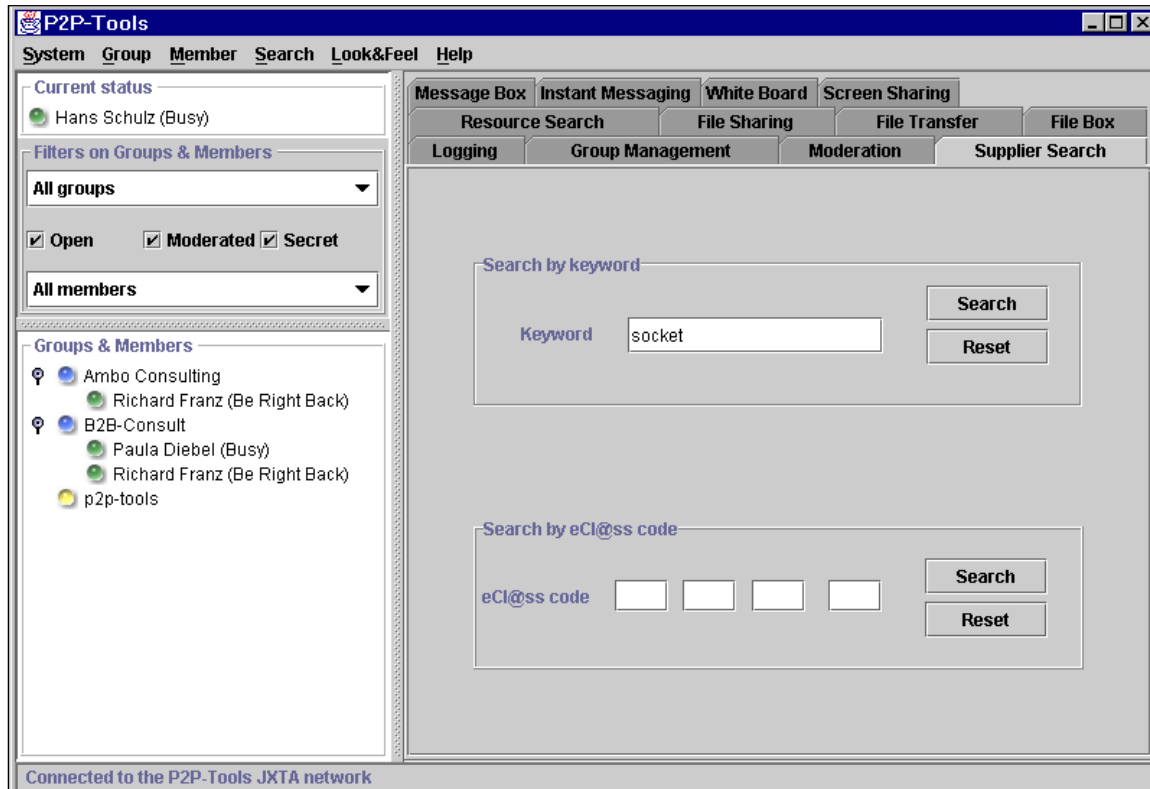


P2P-TOOLS e-commerce network for distributed electronic catalogues

The implemented P2P-TOOLS network consists of Supplier Peers, which make available the product and service data in the form of BMEcat-structured XML-files on the network, and Tool Peers, which enable direct searches according to eCI@ss numbers or key words with the additional involvement of an eCI@ss Peer.



In addition, the Tool Peers enable flexible formations of working groups with Instant Messaging functions. The network can be laid out as a pure P2P network with no requirements for centralised functions. In conjunction with possible end-to-end encoding and the possible use of ebXML transaction standards, this creates the key background for secure, protected and almost entirely anonymous processing of business transactions.



The Open Source JXTA basic software is supported by Sun Microsystems, Inc. The developing partner of B2B-Consult GmbH is the German-Romanian company ambo consulting srl (www.ambo.ro). For more information on P2P-TOOLS, the Peer-to-Peer network technology of B2B-Consult, please go to www.p2p-tools.com, or contact us via the address printed overleaf.

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