Deliverable D6.5.3

Prototype system

The MINERVA Peer-to-Peer Search Engine
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Work Package 6.5: P2P System Architecture and Testbed
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Minerva is an experimental testbed for a peer-to-peer-based Web search engine. It is open-source software, fully implemented in Java for portability and easy installation on a wide variety of platforms. It consists of four main components developed at the Max-Planck Institute for Informatics:

- the Bingo! focused crawler for collecting, analyzing, and indexing Web pages,
- a simple local search engine that runs on a single peer,
- a Java-based reimplementation of the Chord distributed hash table to maintain a decentralized directory among all peers,
- the p2p engine that can forward a peer’s local query to one or more other peers, collects the results, and produces a merged result list.