

Development

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Components

- Hkp agent
 - Front-end between GPG/PGP and DB server
- DB server
 - Retrieve/Store to SQL engine
- Server sync agent
 - Synchronize public keys between sync server
- Utilities
 - Admin/User interface for start/stop, backup, statistics, etc.

Hkp agent

- Submit someone's pkey
 - Get key packet from PGP/GPG or other apps
 - Extract key packet
 - Submit key(s) to DB server
- Retrieve someone's pkey
 - Retrieve key by user-ID, key-ID, digital-fingerprint or Mail address
 - Return key packet or status code
 - Return HTML formatted key information

DB server

- Submit public key
 - User-ID, key-ID, digital-fingerprint, Mail address
 - Key packet
 - Merge key packet as well as GPG/PGP

Server sync agent

- Synchronize public keys
 - “I received it and send it to you by e-mail” approach (today)
 - TCP/IP connecting new key submitting
 - Ihave/sendme synchronize mechanism