

b-pacs

TURNKEY SOLUTION for a PACS "PLUG & PLAY" SYSTEM

B-PACS is a low-cost PACS system for the distribution and management of DICOM images, which can still provide all the capabilities required for a complete storage system. It is a "turnkey" solution with HW and SW, easy installation, where the only settings to be made at the customer are the typical network configurations (IPs, users, AETitle).

B-PACS system is an effective, low organizational impact, fast to realize, easy to implement solution for all those relatively small sites which need high technology profile tools. It is customizable and expandable both for storage and functionality.

B-PACS is an image manager / archivist based on J2EE Jboss open source application platform and set on profiles defined in IHE guidelines (IHE compliant image servers).

B-PACS comes with a WEB interface for system administration. The B-PACS offer is complemented by the following products:

- Weasis WEB viewer
- EyeLite DICOM viewer
- EyeRad DICOM reporting workstation
- EyeLiteCD patient CD production system

PRODUCT FEATURES

HARDWARE

The hardware configuration of the server is modulated according to the needs of the customer. For the basic **B-PACS** version, we propose HP Proliant Microserver, Linux O.S., with 4 HD 2TB in RAID configuration (6TB useful).

SOFTWARE

B-PACS provides DICOM and HL7 services and the interfaces required for archiving, retrieving, and managing the workflow of digital image diagnostic imaging producers. The main services provided are:

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| • Web-based UI | Full WEB user interface for administrator |
| • DICOM storage | Storage service of all DICOM-object on filesystem (with compression when required) |
| • DICOM query-retrieve | Query of DICOM objects and their retrieve |
| • WADO and RID | WEB access to archived objects |
| • Other DICOM services | MPPS, GPWL, MWL, Storage commitment, instance availability notification, study content notification, patient CD production, hanging protocols |
| • HL7 server | Integrated HL7 server that allows managing of messages of kind ADT, ORM, ORU |
| • Other IHE services | XDS-I source, secure node |

As RDBMS for data managing **B-PACS** uses MySQL, but at customer's request you can use Oracle, SQLServer or PostgreSQL, in which case a separate listing for the custom configuration will be done. **B-PACS** offers a great deal of configurability for online time retention and compression state of exams.



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