

MedStation eRIS

Managing the radiology service

MedStation eRIS is a radiology information system for managing radiology services which combines extreme simplicity of use with state-of-the-art graphics and management functions.

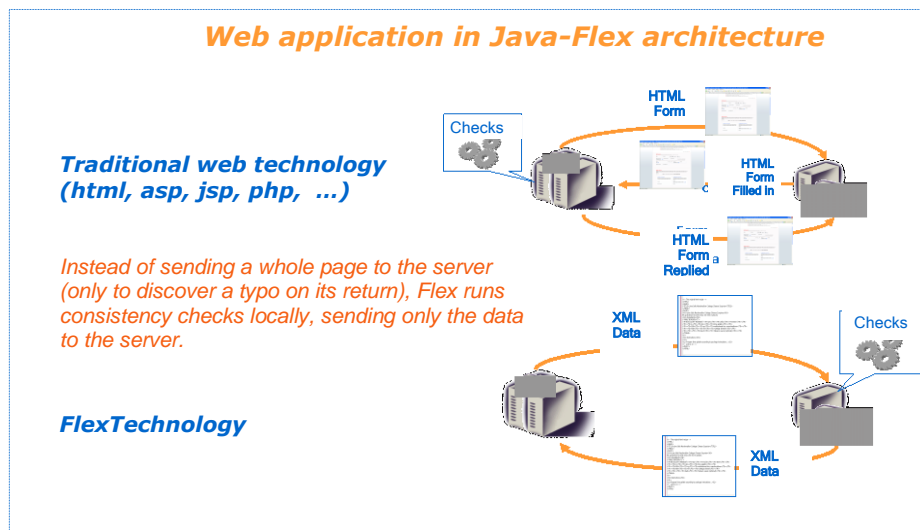
eRIS combines ease of use and rapid execution for the various procedures, automating and simplifying the work of administrative and technical staff, and providing radiologists with a user-friendly reporting environment, perfectly integrated with Exprivia's PACS solution.

eRIS is perfectly integrable with other components in the Medstation family. The system is constantly updated to keep it aligned with the state of the art in the sector and with any new legislation passed at regional or ministerial level.

eRIS is made up of modules for examination bookings, appointment management, patient admissions, electronic worklist distribution, procedures, structured & multimedia reporting, and paperless management of the radiology service. It also has optional modules for managing cash, stock control and electronic requesting from wards. eRIS also has a sophisticated executive dashboard capable of interactively processing statistics, graphically displaying the results.

Architecture

eRIS is a web architecture system based on Java/Flex and RDBMS Oracle web technology. Supports Microsoft and Unix operating systems, including Linux. Flex is an innovative portable technology for creating web applications, created by Adobe, which allows part of the application technology to be performed in the browser. The result is particularly efficient for "front-desk" applications, where Flex makes all of the advantages of the web available, cutting out the frustratingly slow dynamics involved in sending and receiving html pages.



Integrations

eRIS is an IHE-compliant system. In addition, due to more than ten years on the market, there are a number of traditional integrations which are already operative with Patient Management systems, HIS systems, CUP systems, Accident & Emergency systems, and reporting repositories.

Summary of functions

Patient records

For comprehensive management of patient records, with access to patient medical history, procedures and reports.

Booking

For managing bookings for diagnostic facilities and out-patient centres and for printing reminders, labels and patient records.

Request management

Electronic management of requesting from wards, returning the status of procedures and reports.

Admissions

Patient admissions with label printing, barcodes etc, and propagation of worklists for the diagnostics, implementation and reporting phases.

Implementation

Confirms updates to the list of tests performed; stock unloading and can be used to add configurable medical history data.

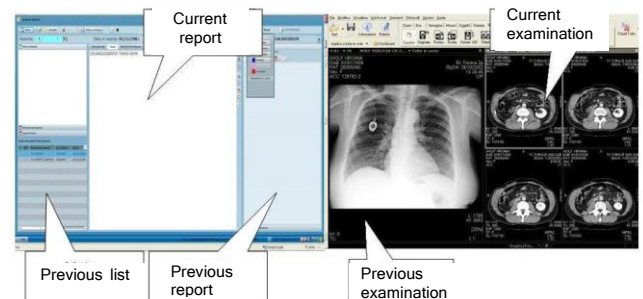
Reporting

The reporting environment is extremely user-friendly and synchronised with imaging, and has long been the area of greatest investment in the product.

eRIS reporting supports:

- ✓ reporting worklist;
- ✓ integrated voice recognition technology reporting via OCX using IBM, Philips or Nuance engines;
- ✓ reporting trees and default phrases ;
- ✓ displays current report and previous reports in the same window;
- ✓ synchronised two-way integration with RIS and MedStation, with automatic opening/closure of images;
- ✓ independently of RIS or PACS;
- ✓ support for DICOM Structured Reports with flexible template creation (from the integrated eRIS-MedStation environment);

- ✓ digital signature of reports;
- ✓ export of reports into PDF, signed PDF, SDR and CDA2 formats.



Paperless management

The totally paperless management of the radiology service is achieved through scanning procedures for entering hardcopy documentation into the patient records. This is done with the help of character recognition technologies for identifying patient and procedure codes.

Statistics

A sophisticated executive dashboard keeps all the radiology operations under close control, analysing interactively and graphically the status of the service on the basis of operation type, patient origin, delivery and reporting timescales, staff productivity, etc.

