



# eArchive

## Integrated management for the clinical imaging unit

**eArchive** is the Exprivia solution for the centralised storage of diagnostic images.

With **eArchive** and the **Medstation** reporting workstation, Exprivia is putting a suite of natively integrated products of advanced design on the market so users of clinical imaging services can benefit from the advances in hardware and software technologies.

Exprivia's decade-long experience in the RIS-PACS field, combined with its profound knowledge of technologies, has led to the perfection of a simple, user-friendly, flexible and powerful integrated solution.

### The eArchive storage system

The storage system is the heart of the PACS solution and provides a structured set of capabilities in order to effectively respond to the different organisational scenarios found in diagnostic units.

**eArchive** was designed by Exprivia alongside its customers. The result is a highly configurable and cross-platform (Windows, Linux) system able to meet the needs of a miniPACS like those of a PACS Enterprise due to its inherently scalable architecture.

Compliant with the DICOM and IHE standards, **eArchive** is extremely open and full of functions and supports - in a single multimedia archive - numerous formats ranging from cardiology and radiology images to endoscopy films and biometric tracks. **eArchive** is easily integrated even in contexts in which the existing diagnostic equipment and IT system are not standard. For example, it is possible to automatically check the personal data coming from diagnostic procedures that do not support the DICOM Worklist (Booking Search), send flows of images automatically to specific destinations (Autorouting), and call up images that will be needed for the activities of the following days (Prefetch) at the peripheral stations.

**eArchive** includes an Electronic Legal Storage system compliant with the DigitPA standards.

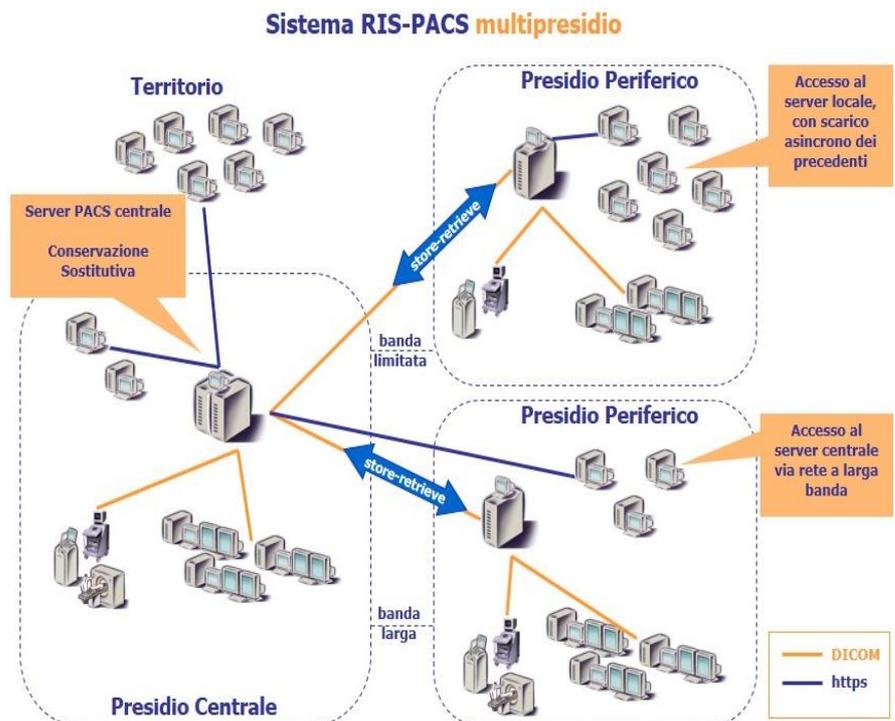
### Operating Systems and Databases

**eArchive** is a multi-platform system that supports the Windows and Linux operating systems and it is always possible to migrate from one system to another while preserving the historical archive of the system. High reliability and virtualised configurations are supported. The relational DBMS adopted is Oracle.

### Storage media

**eArchive** is based on a totally flexible hierarchical storage architecture, allowing you to configure the archive by composing multiple Short Term devices (typically based on rewritable technology) and multiple Long Term devices.

The support of the different storage devices is constantly updated to the latest developments in technology.





## Storage plans

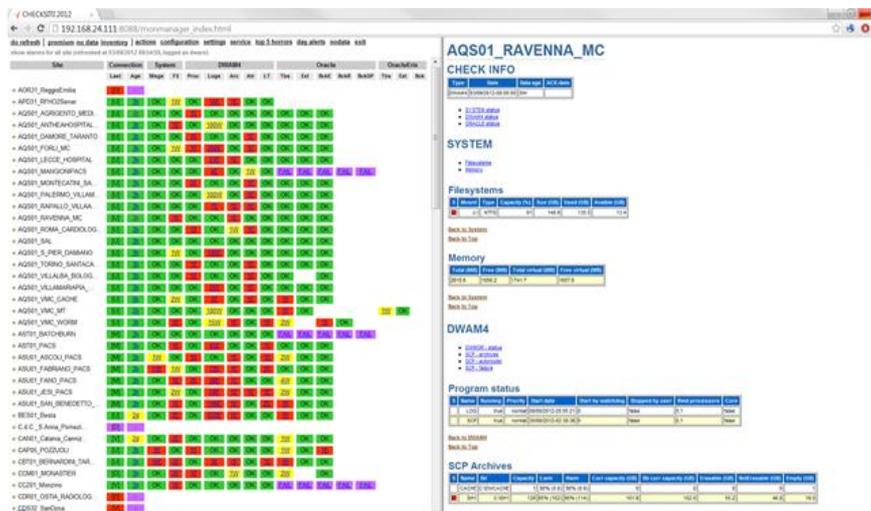
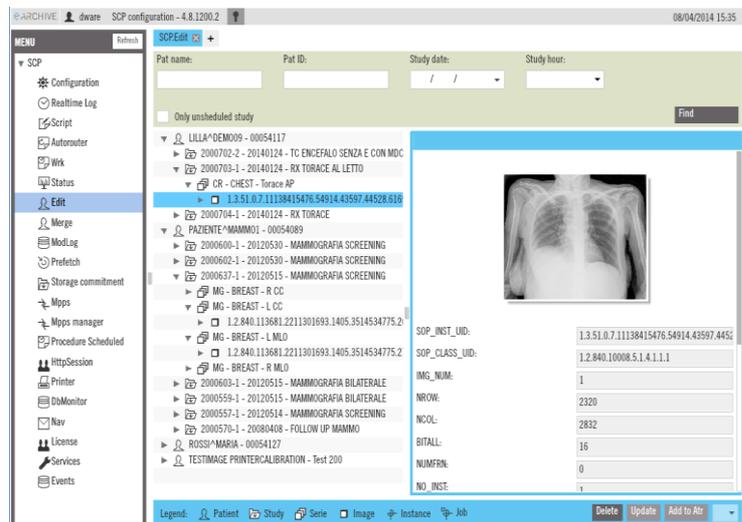
**eArchive** lets you apply the storage plans on the basis of information contained in the DICOM TAGS or in the various management systems offered. Through the storage methods created using special scripts, it is possible to define those of migration between the logical archives (Short Term and Long Term) and the compressions, if any.

## Embedded Web Server

**eArchive** has been designed in native web architecture. In fact, it has an "embedded" Web server able to support **MedStation WEB**, the diagnostic image viewer of the Exprivia PACS suite, in addition to the operational interfaces. Moreover, all communications between the **eArchive** server and the **MedStation** reporting workstation, as well as those between different **eArchive** servers, flow over a web https channel. This allows us to build distributed architectures that are extremely flexible, suitable for multi-station and multi-hospital configurations, and based on data centres and oriented toward teleconsulting, as the specific needs demand.

## Managing the PACS system

The flexibility of the **eArchive** system allows different solutions to be configured to better adhere to the actual needs of every single unit. The simultaneous and hierarchical management of different archives guarantees a high level of availability and security of the stored information. The graphic management interface easily and intuitively "connects" the various archives (Short Term, compressed Short Term and Long Term) in the system and establishes the criteria - programmable according to the needs and the operational logics of a radiology service - with which the images are moved from one archive to another.



## Remote assistance

**eArchive Supervisor** is the software module that is installed on all server systems supplied by Exprivia and that daily records a set of parameters on the system status, both from the system (space on the system files, device access errors, tablespace on Oracle databases, etc.) and application (mastering errors, errors in receiving or sending images, no optical media, etc.) viewpoints.

The e4cure MedStation C€ 0476 - eArchive - eRis - eVisit suite is a certified Medical Device (93/42/CEE) of class IIA. The complete list of versions of the certified models is available by contacting Exprivia.