

# HA Radiology Image Sharing

## How we did it.

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4<sup>th</sup> Oct 2011



# Agenda

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- Background
- Key IT Objectives for the Centre
- RIS/PACS System Implementation
- The Radiology Image Sharing Project with HA

## Q Diagnostic & Imaging Centre

- Providing a total solution of full range of diagnostic and health services to our patients and referring doctors in a one-stop center.
- Embracing the latest technology by GE Healthcare in MRI, CT Scan (64 slides) Ultrasound, Mammography, Bone DEXA, General X-Ray.
- Led by experienced & professional team of Radiologists, Radiographers, registered nurses and qualified staff.
- 7,000 square-foot facility, located above Jordan MTR station.
- Opened in May 2011.



## Q Diagnostic & Imaging Centre

### Service Portfolio:

- Magnetic Resonance Imaging
- Computed Tomography
- Ultrasound
- X-Ray
- Mammogram
- Bone Densitometry (DEXA)
- Physical Check Up & Health Screening
- Other Medical Laboratory Services



## IT Objectives

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- ‘Film-less’ Operations.
- ‘Paper-less’ Operations.
- Seamless End-user experience:
  - Seamless integration between modalities, imaging systems and back-end systems.
- Radiology Image/Report Sharing with HA.

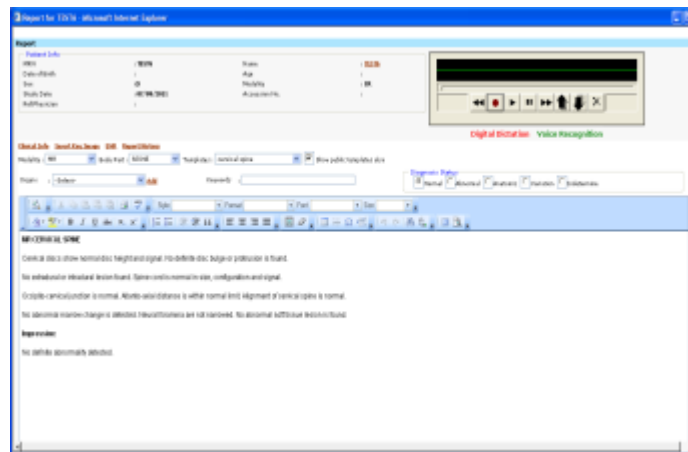
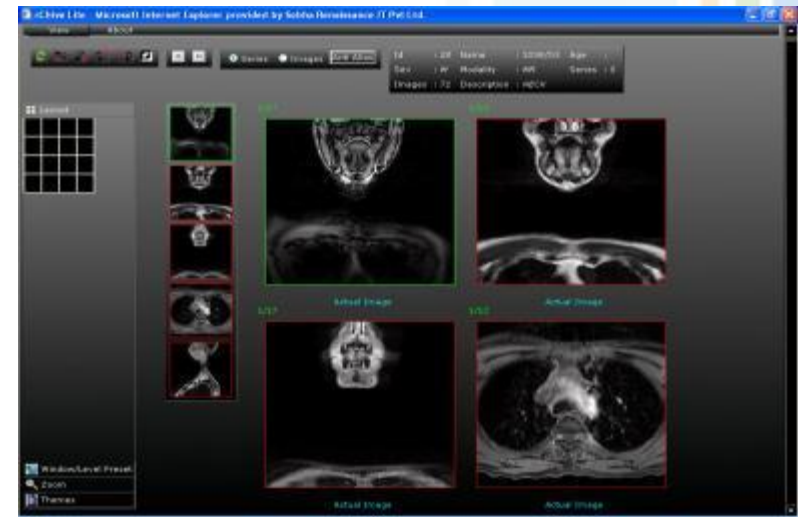
## RIS/PACS System

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- **Fully integrated enterprise class RIS/PACS system as foundation for radiology report and diagnostic image sharing with HA.**
  - Religare Technologies: rChive
- Fully compliant with DICOM 3.0 and HL7 standards.
- An advanced smart client based application with adaptive streaming technology for faster access of images.
- Integration between RIS and POS/Billing System.

## Advanced Diagnosis & Reporting

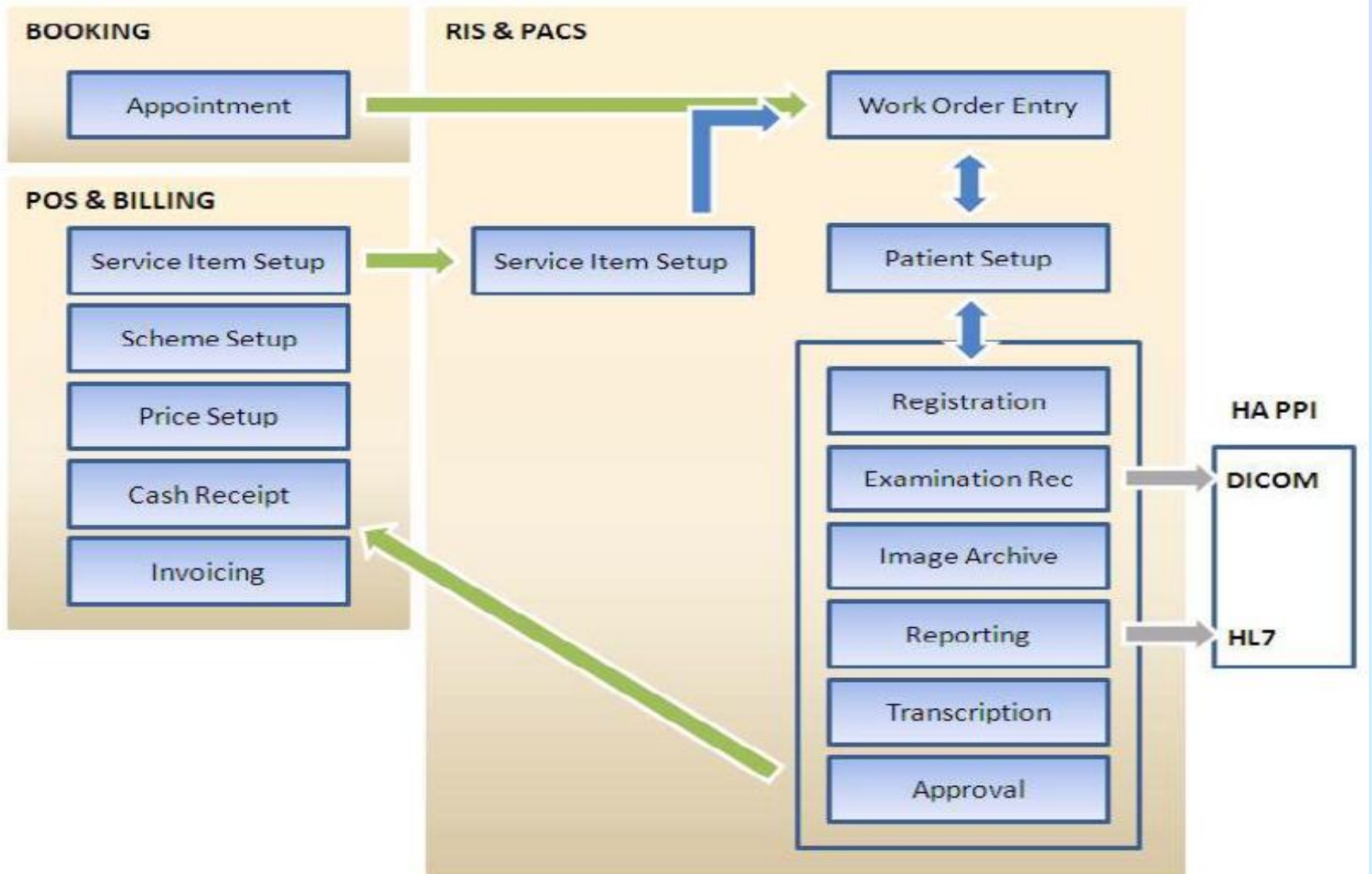
- Advanced and modular advanced 2D, 3D, 4D diagnostic workstations
- Integrated tools allow great workflow efficiency for the radiologist and/or transcriptionist, enabling faster reporting turn around time for normal studies as well as STAT cases







# System Flow and Modules



# General Experience with IT Interfacing Projects

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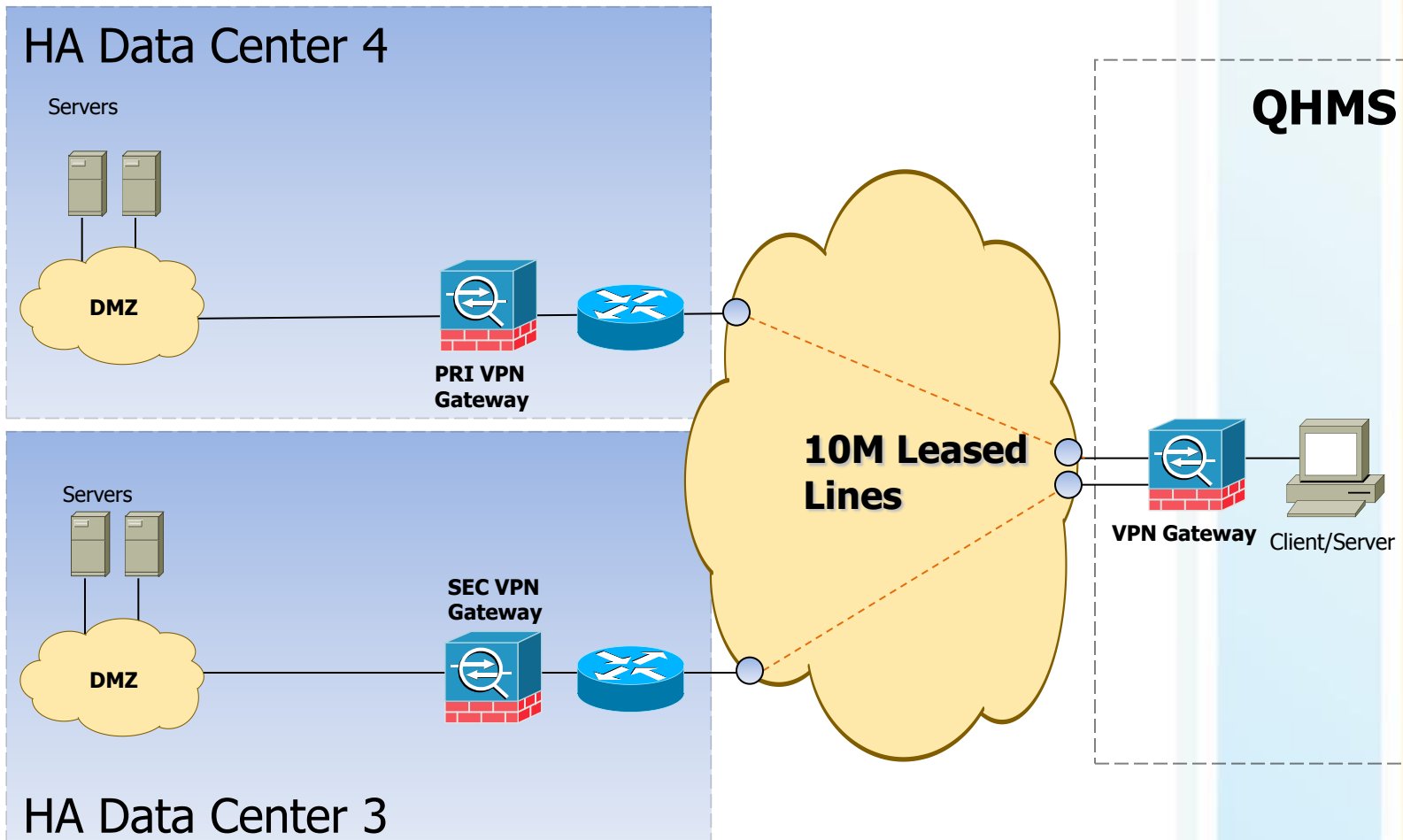


## A Very Positive Experience with HA

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- Clear and detailed documentation on interfacing API's and testing procedures.
- Professional, responsive HA technical team, eager to share their knowledge.
- Dedicated VPN lines provided by HA.
- Clearly communicated testing & validation schedules.
- Adaptive and cooperative to help resolve technical problems.

# The Interface



## Project Progress To Date

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- June, 2011:
  - **Development of interface between QDI RIS/PACS and HA**
- July, 2011:
  - **1<sup>st</sup> UAT Round (Reporting & Dicom Gateways)**
- August, 2011:
  - **2<sup>nd</sup> UAT Round (Reporting & Dicom Gateways)**
  - **Implementation of VPN lines between QDI and HA**
- September, 2011:
  - **Final Integrated Test**
- November, 2011:
  - **Production**

# Q & A



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