

# VET

## WEBX

WEB-BASED VETERINARY PACS

# *TOP DOG IN VETERINARY PACS*



VERSION 6.1.3



## **VET-WEBX THE PERFECT TOOL FOR VETERINARY FREEDOM**

---

VET-WEBX is a PACS especially designed for veterinarians, which conveniently manages imaging, archiving and distributing with a web-based interface.

---

VET-WEBX is a complete, easy-to-use and affordable solution for storing, viewing and distributing any veterinary imaging study or report. Being a complete solution, VET-WEBX consists of several applications in only one package:

The VET-WEBX archive stores up to 500 million images in one database on a local or network-attached storage device. Image storage, query and retrieval, forwarding, printing and DICOM-formatted media inter-

change is enabled by the DICOM server.

The integrated web server allows the web-based distribution of any veterinary images and reports to an unlimited number of web users. It is even possible to query other DICOM archives. Thanks to the innovative feature EasyVET, vets maintain the overview of all studies. Therefore, they can easily search and filter the database individually to quickly find the required studies.

The online viewer is a powerful plugin for browsing, reading and processing DICOM images through almost every network. It provides an interactive diagnostic web viewer with all clinically required image processing features like measurements, stack mode, cine mode, comparison of studies and cutting lines. All available veterinary tags may be displayed. VET-X allows the preloading of additional series in the background while concurrently viewing other images.

## VET-WEBX Special Features

**Licensing:** Depending on the user's needs, VET-WEBX is available in different configurations: It can be ordered with or without the VET-X web viewer and with different numbers of connected DICOM nodes, e.g. supporting 2, 5, 10, 15, 20 or even an unlimited number of DICOM nodes (application entities). The VET-X web viewer is available to an unlimited number of users and concurrent users.

**Web-based administration:** Allows proper configuration, adaptation and quality monitoring of the system for easy user management.

**Privacy:** Referring vets may log into the system to review only their own cases. The chief physician, of course, has access to the entire patient database. By using the Shared Archive feature, it is possible to share imaging data with other vet-

erinarrians in compliance with data protection regulations.

**Patient reconciliation** (optional): All stored studies can be verified with a DICOM WORKLIST and optionally with HL7 messages. Study data can automatically be corrected in an IHE compatible protocol to ensure consistent image data in the archive.

**DICOM print:** Images can be printed from any web client on a remote DICOM imager.

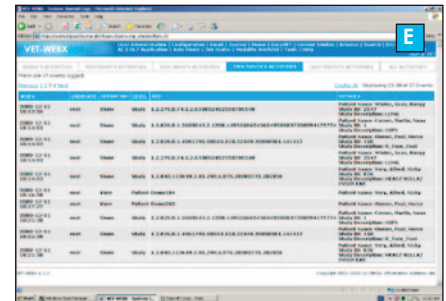
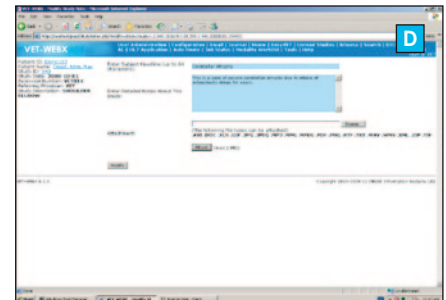
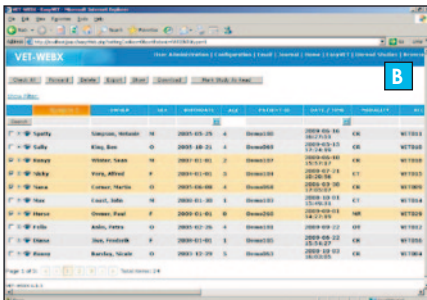
**Email notification:** Once a new study or report is ready for viewing,

the referring vet is automatically alerted via email or SMS (\*only possible by using a 3rd party mail2SMS gateway service with additional costs).

## THE BEST FOR VETS



# VET-WEBX SCREENSHOTS



**A** Referring physicians or owners may log into VET-WEBX to view the imaging case history of the respective animals.

**B** EasyVET provides easy and fast diagnostic access to all studies to an unlimited number (!) of reading physicians.

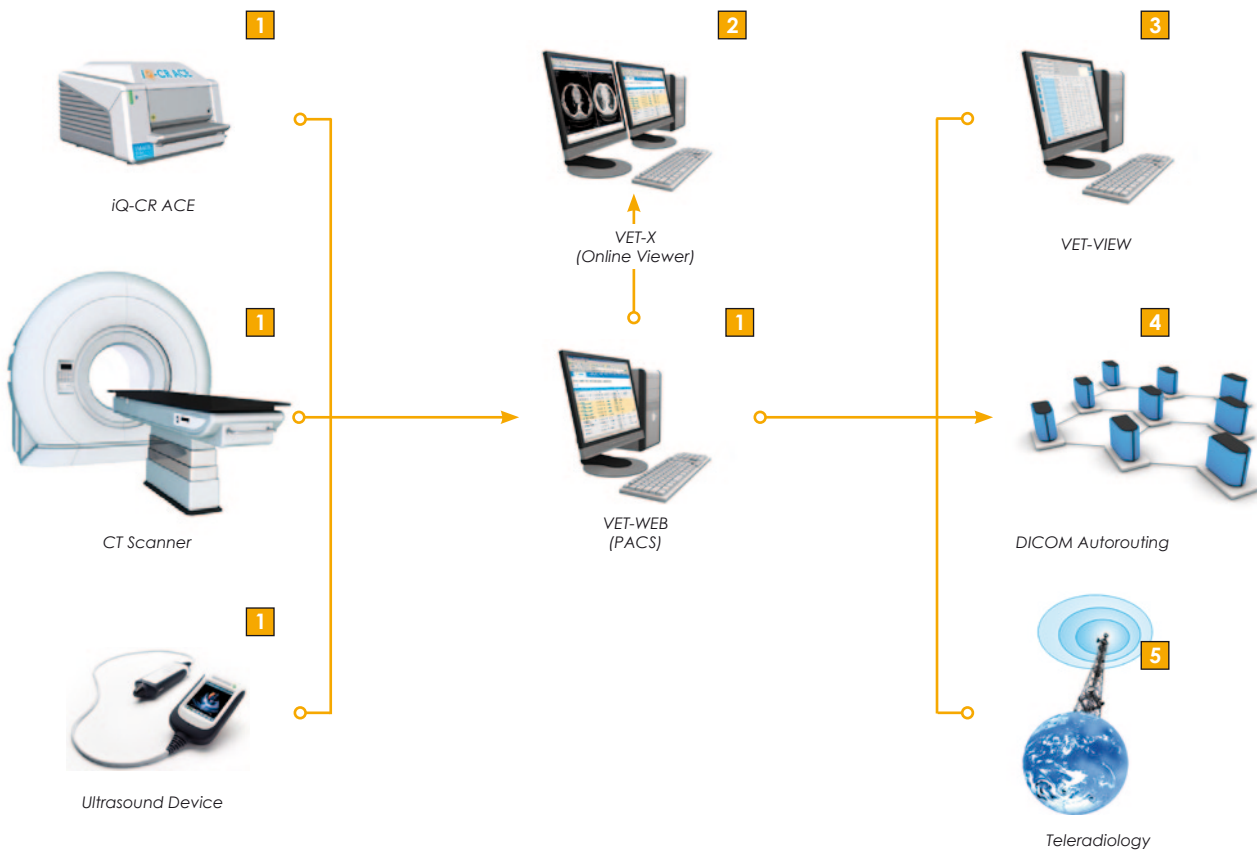
**C** Vets may annotate images or studies with individual texts and keywords to create teaching cases within the PACS.

**D** VET-WEBX can store and display virtually all types of patient studies, reports and pdf documents.

**E** VET-X, the online viewing plugin, will automatically be installed during the first call of images. It offers easy-to-use interactive image processing tools in diagnostic quality to the veterinarian.



# VET-WEBX WORKFLOW



- 1** VET-WEBX is the core of your imaging network. Typically, it is connected to all imaging modalities; it may be connected to the veterinary management system and to reading stations.
- 2** The built-in VET-X technology rapidly transfers radiological images in diagnostic quality to web viewer clients.
- 3** Reading stations from any manufacturer can be connected directly to VET-WEBX using the DICOM standard.
- 4** The intelligent autorouting feature forwards studies based on predefined criteria and can prefetch previous studies for the same patient if required.
- 5** Using highly efficient built-in data compression, there is an opportunity to create economical teleradiology connections.

# VET-WEB FEATURES

---

## **SERVER**

- Multiple simultaneous DICOM associations
- Server instance monitoring
- Statistics
- Shared archive
- Studies are marked as read after a DICOM query

---

## **COMMUNICATION**

- DICOM query/retrieve
- DICOM PRINT client and DICOM WORKLIST client
- Auto forward of data sets
- HL7 interface (optional)
- Automatic patient reconciliation
- Email notification upon arrival of new study
- Emailing images as JPEG

---

## **WEB**

- User-friendly web interface layout
- Coherent overview of studies with search and filter possibilities using EasyVET
- Automatic browser logout
- Unlimited number (!) of users and concurrent users
- Display of all color/grayscale images
- Display of structured reports
- Query of external DICOM archives by web interface
- Transfer of images via web to DICOM destinations
- File attachments to images or studies

---

## **IMPORT**

- Import of any DICOMDIR media
- Directory registration of DICOM data

---

## **EXPORT**

- DICOM export function

---

## **DATABASE**

- Automatic synchronization with other DICOM servers
- Configurable overflow management (high water/low water, study date, custom settings)

## **DATA ACCESS RESTRICTIONS/**

## **USER RIGHTS MANAGEMENT**

- Admin user
- 12 different privilege settings for each user/group
- User access control

---

## **SERVICE PACKAGE**

- Software updates/upgrades optional

---

## **LANGUAGES**

- English, French, German, Russian, Spanish; other languages upon request

---

## **LICENSING**

- Available for 2, 5 or 10 DICOM nodes

# VET-WEBX FEATURES

IN ADDITION TO VET-WEB FEATURES

## VET-X WEB VIEWER

### (ACTIVEX)

- Available to an unlimited number (!) of viewers and concurrent viewers
- Viewing any kind of images and structured reports
- Center/window
- Comparison of multiple studies
- Stack mode/cine mode
- Measurements (distance, ROI, angle)
- Cutting lines
- Thumbnail preview
- Vet-specific tags
- Color remapping
- Background preload
- JPEG DICOM/2000 lossless/lossy support
- Post-receive image compression configurable for every source

## LICENSING

- Unlimited number of WEB users
- Available for 2, 5, 10, 15, 20 or even for an unlimited number of DICOM nodes



## SYSTEM REQUIREMENTS

	SERVER MINIMUM	SERVER RECOMMENDED	CLIENT MINIMUM	CLIENT RECOMMENDED
<b>OS:</b>	Windows XP SP 2	Windows XP SP3, Server 2003 SP1	Virtually every OS with Internet Explorer 5	Windows XP SP 2 with Internet Explorer 7
<b>CPU:</b>	Pentium, 1 GHz	Pentium, 2 GHz	Pentium, 1 GHz	Pentium, 2 GHz
<b>RAM:</b>	512 MB	1 GB	64 MB	1 GB
<b>HDD:</b>	20 GB	RAID/NAS/SAN 120 GB ... 256 TB	5 GB	20 GB
<b>Network:</b>	10 Mbit/s	100 Mbit/s, 1 Gbit/s	128 kbit/s	100 Mbit/s
<b>Graphics:</b>			16 bit color, 8 bit gray	32 bit color, 8 bit gray
<b>Display:</b>			1024 x 768 pixel	1280 x 1024 pixel
<b>Database:</b>	MySQL 5.x	MySQL 5.1		
<b>Peripherals:</b>				Scroll mouse
<b>Hardware:</b>		Dell hardware		Dell hardware

## OUR SOLUTIONS FOR YOUR IMAGING NEEDS

### VET-VIEW

The veterinarians' radiology reading station - out soon

### VET-STITCH

Tool for merging several veterinary medical images - out soon

### VET-WEBX

Web-based veterinary PACS

### VET-RIS

The radiology information system for veterinarians

### VET-RIS EQUINE

The radiology information system specialized in horses

