



Touch Screen Technology



CR ESCENDO

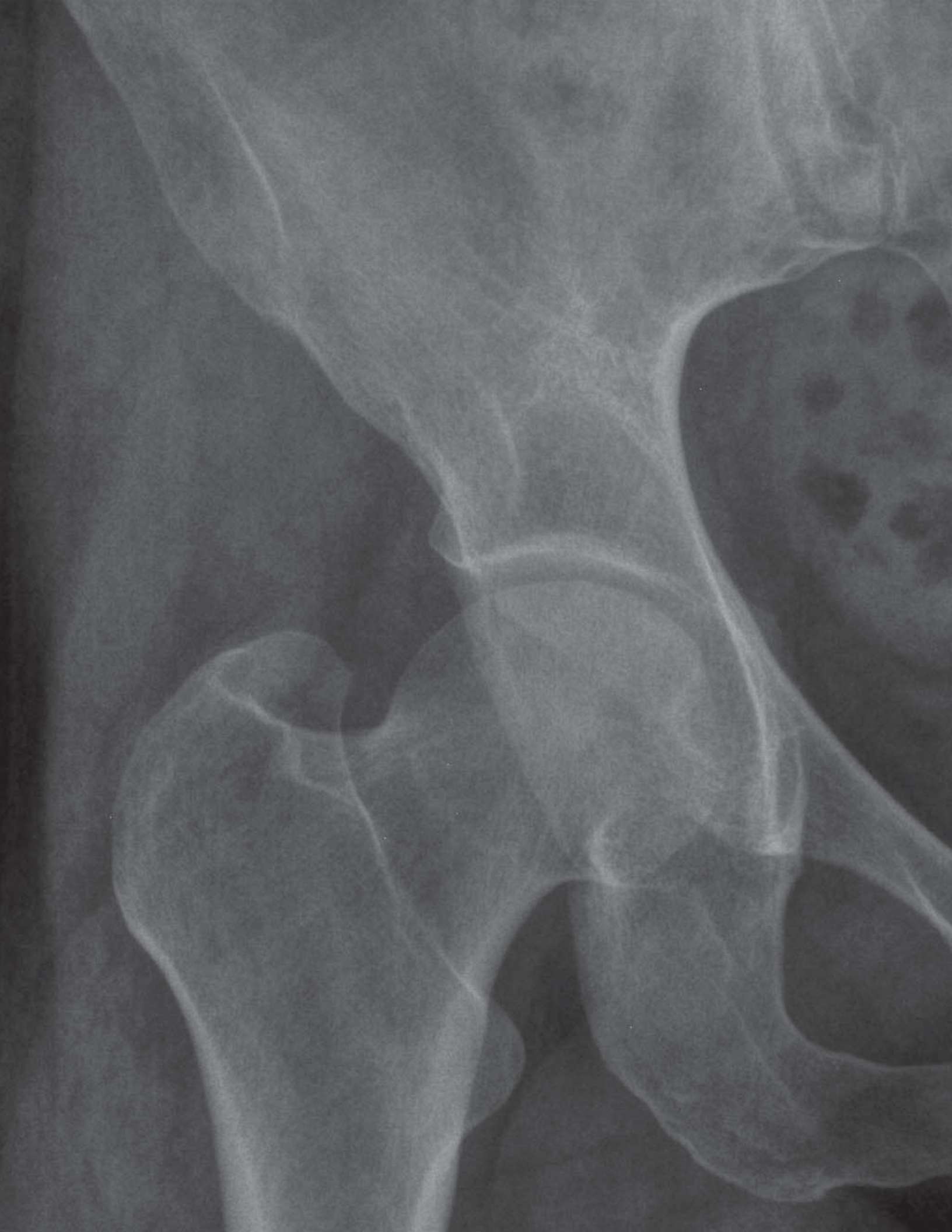
Classic WAIV
with Touch Screen Technology



Legendary Reputation...Sensitivity to your budget



Quantum
MEDICAL IMAGING
Division of Carestream



CR ESCENDO

Classic WAIV

Streamline Workflow For Higher Productivity And Patient Throughput.

The CRescendo Classic CR System is easy to install, use and maintain, providing seamless integration, from X-ray exposure to print or softcopy.

The CRescendo Classic CR System Package includes features that provide advanced functionality and maximum productivity, because every patient deserves the highest quality our technology can deliver without compromise. Loaded with easy-to-use software features developed by Carestream Health, designed to optimize workflow and make patient care your number one priority, this great package comes complete with the software and hardware you need to Go Digital today.

The CRescendo Classic CR System is the ideal digital imaging solution for use where the practitioner has an existing archival solution, such as print to film or storage to PACS. This package is the perfect compliment to such products. If image acquisition, viewing, distribution and archiving are the solution you need, please discuss our "Image Suite" product solutions with your dealer.



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The Most Frequent Tasks Are The Easiest To Do

The radiographer can perform all their daily tasks using the Workflow and Image Viewing (WAIV) Console.



CRescendo Classic CR with floor mount (Optional)

Maximize Patient Diagnostic Information on Every Exam

- Window and level, flip, rotate, image reversal
- DICOM Print, DICOM Store
- Export to CD with Embedded Viewer
- Measurements, Distances, Angles, Cobb Angle, Pan, Zoom, Comments, Electronic Markers, Text, Annotation, Invert Grayscale
- Histogram display for image analysis
- Access to image processing parameters to fine tune for specific studies

Additional system features:

- CR CLASSIC Single Plate Reader With Automatic Cassette/Plate Handling
- WAIV Console Workstation 500 GB HDD -
- 19" Flat Panel High Quality Touch Screen Monitor
- Patented KODAK Image Processing Software
- Gridline Suppression & Detection Software
- Low Exposure Optimization Software
- DICOM Store/Send and DICOM Print
- "P-Value" Display Output For Compatible PACS
- DICOM CD Export For DICOM CD Burning With Viewer
- Black Surround Masking Software
- Repeat – Reject Tools
- Unique Exam Tutor Software
- Procedure Code Mapping & Enhanced Trauma Software
- Remote Patient Data Entry Software (RPDES) or DICOM Modality Worklist – Choice.
- Cisco Security Agent
- 2 CR 35x43 Cassettes With Imaging Plates
- 2 CR 24x30 Cassettes With Imaging Plates

Additional System Features



Robust platform for CR Escendo Classic CR Systems put the power of optimized image processing into customers hands. Enhanced productivity, workflow, & flexibility with user selectable palettes and customized image looks.

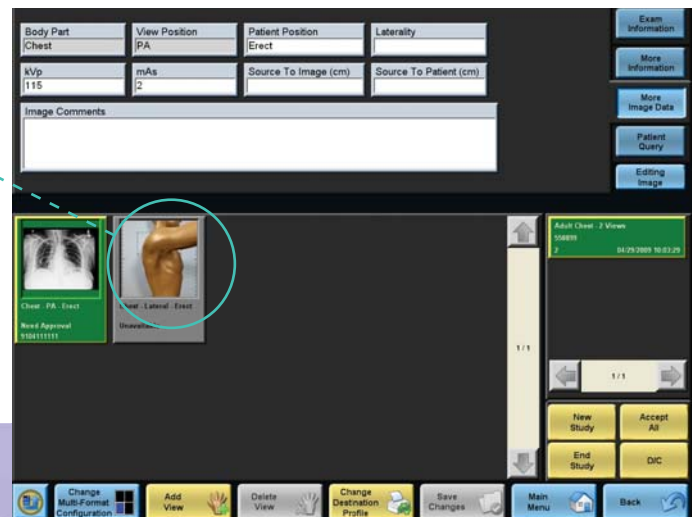
Workflow and Image Viewing (WAIV) Console

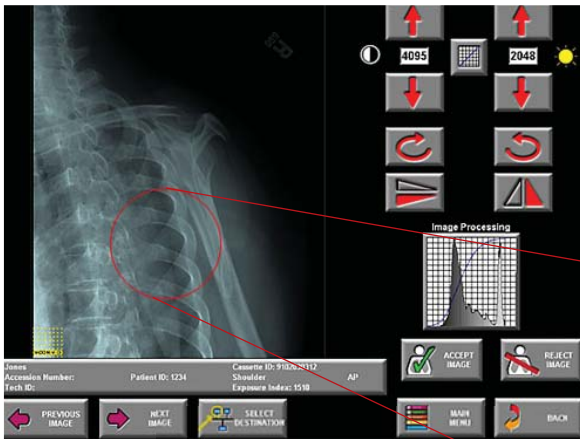


- Intuitive and simple to use
- Robust GUI, image processing, and software options/tools
- 19" Touch Screen Monitor and keyboard can be placed on a floor stand console that also stores cassettes, or a space-saving wall Mount.

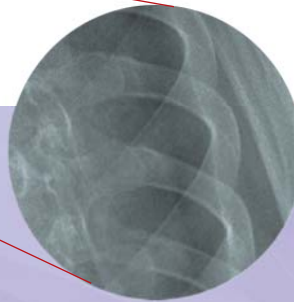
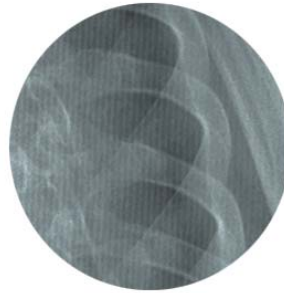
Unique Exam Tutor Software

- Displays "Tutor" images for each unexposed view in an exam. Tutor image shows anatomic region positioned for the exam.
- Simplifies association of CR cassette to the view
- Exam tutor displays icons as visual guides on how patients should be positioned to perform each view
- Once procedure name or code is received from the RIS, the CR prompts the technologist on which views usually come with the procedure and displays icons on how patients are positioned for these views (Exam Tutor).





Reduces gridlines & moire for better images



Grid Detection and Suppression Software

- Automatically detects and suppresses gridline artifacts
- Improves image quality for portables and fixed grid systems
- Enable and disable this function with an easy-to-use checkmark function on the CR screen.

Remote Patient Data Entry Software (RPDES) or DICOM Modality Worklist Software:

- Customer gets choice of either software at time of purchase. One or the other depending on best solution for facility

Remote Patient Data Entry Software (RPDES)

- Increase productivity, improve workflow, and enhance patient satisfaction with remote entry of patient data.
- Enter demographic data for exams with a PC at the radiology reception desk or other preferred location.
- Enable your radiographer to spend more time performing examinations.
- For Facilities without a DICOM HIS/RIS

DICOM Modality Work List –

(Special “swap” to replace RPDES)

- Allows patient information to be obtained directly from the HIS/IRS, eliminating the need for the radiographer to enter this information at the CR.

Cisco Security Agent (CSA)

- A software program that looks at all of the actions performed by the CR system and examines them for evidence of malicious software.
- This next generation security solution provides threat protection for servers and desktops. This application prevents and protects against entire classes of malicious attacks by following a set of rules (policies) in determining whether each action of the PC is permitted. The software mitigates new and evolving threats without requiring emergency patch updates and consolidates multiple security functions into one, concise agent to reduce operating costs.



The CD/DVD Archive burns patient images for portability. No more carrying or losing films! A DICOM image viewer is included on the CD/DVD allowing for easy image access and review in other locations.

- CD/DVD burning with Carestream DICOM viewer
- Images will be written in both .jpg and DICOM format
- IHE Portable Media compliance assumes DICOM interoperability

Easy Installation. Minimal Footprint

The easy to use *CR*escendo Classic CR is easy to install and fits almost anywhere. This robust distributed CR system produces high-quality images—and has a footprint that allows placement in an x-ray room or x-ray control console room.

Ideal for a range of environments from hospitals and clinics to private practices, the *CR*escendo Classic CR System is a unique offering in the Quantum Medical Imaging CR portfolio. It is designed for central and distributed CR applications where fast image availability, high image quality, lower costs and benchmark productivity are critical.

With less capital investment and lower operating costs, the *CR*escendo Classic CR System helps imaging facilities meet budget requirements. It is designed for medium to high image volumes in:

- Hospitals
- Diagnostic imaging centers or clinics
- Specialty clinics/private practices (e.g. orthopaedic clinics)
- Large general private practices

DirectView Classic CR Reader

- Single Cassette Reader
- Throughput: 69 (35x43 cm.) Plates Per Hour
- 19" W x 22.7" D x 40.5" H – 300lbs.
- Compact footprint for placement in an X-Ray room or X-Ray control console room
- High Speed Mode – 6 Pixels per mm resolution
- Standard Speed Mode – 10 Pixels per mm resolution

Convenient Load Height

Waist high loading of cassettes makes processing easier reducing technologist bending and reaching

Easy Access Door

The system is designed to keep foreign objects out, but should anything find its way inside, just open the front door and take it out

Plates Go In, but Cassettes Stay Out

This design reduces the likelihood that contaminants such as tape and lead markers on the cassette will be transferred to the inside of the reader



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*CR*escendo Classic CR with wall mount and EV-P+ Software (Optional)



Accessories and Options

Carestream Health offers a variety of accessories and options for the *CR*escendo Classic CR Systems that help maximize the functionality, convenience and performance of the system. These service and product enhancements are also available for Carestream Health's other DirectView CR Systems.

DirectView Remote Operations Panel

Extend the functionality and reach of your DirectView Classic CR System with this wallmounted touch-screen panel that allows users to perform most system functions away from the main unit. Network up to 5 remote operations panels to a single DirectView CR System. Or network one remote panel to as many as eight CR systems.

Carestream DirectView EVP Plus Software

Carestream DirectView EVP Plus Software takes image and diagnostic quality to new levels. Several time-saving features reduce capture set-up times and boost overall quality of image output — resulting in greater operational efficiency and consistently high-quality images that help improve patient diagnosis. Easy setup results in greater throughput. Image Preference Setup Tool simplifies customization of image processing preferences—for different applications or different end users. When preferences are pre-selected, the system can be installed with the customer's preferred views for all images. Images can be processed with identification of the body part/projection. Qualified users can change preference editors and default appearances. Easier, more intuitive adjustments independently control image parameters such as contrast, brightness, noise level and latitude. Improved black surround feature sharpens image resolution automatically.

DirectView Capture Link System

Link up to five DirectView CR Systems and 20 remote operations panels to improve productivity and streamline workflow in high volume areas. Share cassette identification, scanning and image review functions on linked systems.

DirectView Total Quality Tool

Perform your own QC measurements and objective image tests with the same interface used for examinations. Test at your convenience — without the disruption, scheduling, or cost of third-party testing.

DirectView CR Long-Length Imaging System

Capture long-bone computed radiology images — full leg and full spine — with this easy-to-use accessory. Highly reliable, fully automatic stitching software delivers images up to 17 inches wide by 51 inches long (43 x 129 cm), with few, if any, visible seams. A portable cassette system for upright and supine procedures produces images up to 14 x 33 inches (35 x 84 cm).

DirectView Mammography Feature for CR

Bring the image quality and convenience of the DirectView Classic CR System to digital mammography. This feature, coupled with DirectView CR Mammography Cassettes and EHR Screens, delivers mammography-quality images while retaining all CR system capabilities and features for general radiography examinations.

Carestream RIS, PACS, Information Management Solutions

Provide an integrated, enterprise-wide radiology suite that automates all the elements of the diagnostic exam process. Together, Carestream RIS, PACS, and Information Management Solutions enable highly efficient diagnostic reporting and clinical review. Facilitate easy distribution, storage and retrieval of a patient's entire radiology record—all through a synchronized desktop. Enhance patient services, boost productivity, and reduce storage and network infrastructure costs.

Choice of printing options

Print CR images on film with a choice of DryView Laser Imagers. They can be configured to receive CR images automatically. Use a DryView 6800 Laser Imager and choose from five film sizes including up to three online, all at 650 dpi resolution. Print true-size images using any DryView Laser Imager. Gain formatting flexibility with multiple images on a single sheet of film.

CRESCENDO

Classic WAIV

Product Specifications

Dimensions of Reader

- Overall height = 40.5 in. (102.87 cm)
- Width = 19.0 in. (48.26 cm)
- Depth = 22.7 (57.66 cm)
- Weight = 300 lbs (136 kg)

Dimensions of floor stand

- Height = 43.9 in. (111.51 cm)
 - Width = 30.7 in. (77.98 cm)
 - Depth = 22 in. (55.88 cm)
 - Weight =
100 lbs (without keyboard holder)* (45.5 kg)
115 lbs (with keyboard holder)* (52.3 kg)
- * Does not include PC, monitor, keyboard, or barcode reader

Cassette sizes

- Plates per hour (high speed scan mode)
- 18 cm x 24 cm 77
 - 24 cm x 30 cm 58
 - 14" x 14"/35 x 35 cm 77
 - 14" x 17"/35 x 43 cm 69
 - 15 cm x 30 cm (Dental). 92
 - 35 cm x 84 cm (Long Length) 68

Time to first image

- 33 seconds
(35 cm x 43 cm, high-speed scan mode)

Grayscale resolution

- Acquisition: 16 bits per pixel
- Display: 12 bits per pixel

Monitor

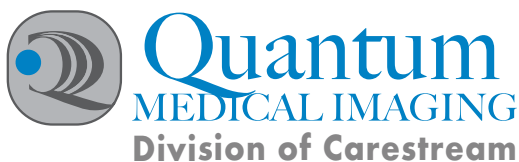
- 19" flat panel monitor, 1280 x 1024

Power

- 100/120V AC 50/60Hz 10A
- 200/230V AC 50/60Hz 5A

Regulatory

- FDA
- CE mark
- cTUVus mark
- TUV T mark



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