Installation Guide
Version 2.0

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RADIANCE v2.0 is here!

- This new version of RADIANCE has a number of features which we hope will facilitate your dose monitoring efforts, including:
  - Easier installation
  - Capture of additional data points from the DICOM study header
  - Updated real-time dashboard
  - New monthly scorecards
  - Automated pipeline to the ACR Dose Index Registry
  - Automatic sorting of files sent to the RADIANCE inbox (image data, dose sheets, RDSRs)
  - Script for real-time PACS query
New installation process

• This new installation process centers around a single ZIP file that contains both the XAMPP software and the RADIANCE software

• To install RADIANCE, you will unzip this file and do some minimal configuration of XAMPP

• Follow the steps on the following pages to complete this process
Extract the ZIP file

• By now you will have downloaded xampp_radiance_v2.zip from the RADIANCE website

• Extract this ZIP file and place the xampp folder it contains under c:\ on the PC where you will install RADIANCE
Run the XAMPP Control Panel

Double click

- security
- sendmail
- trip
- webalizer
- webdev
- apache_start
- apache_stop
- filezilla_start
- filezilla_stop
- mercury_start
- mercury_stop
- mysql_start
- mysql_stop
- passwords
- readme_de
- readme_en
- setup_xampp
- uninstall_xampp
- xampp_dli
- xampp_restart
- xampp_service_mercury
- xampp_shell
- xampp_start
- xampp_stop
- xampp-changes
- xampp-control
- xampp-portcheck
Check the “Svc” box for Apache, then “OK”
Check the “Svc” box for MySQL, then “OK”
Now click “Start” to start the Apache service
Now click “Start” to start the MySQL service.
Now XAMPP is running! Click “Exit”
Check that RADIANCE is installed

• Open a browser (such as Internet Explorer) and go to http://localhost/phpmyadmin
Click on the “radiance” database
See the RADIANCE tables
Everything okay so far?

- If you see the two prior screens, RADIANCE is now installed! Congratulations!
- Now to quickly run it, follow the instructions on the following pages.
- You can do the more sophisticated configuration later.
- If it didn’t work, retrace your steps through the XAMPP control panel. You can email radiancedose@gmail.com for help too.
Quick Start RADIANCE

• Sample data is provided for you to test your RADIANCE installation and make sure you’re up and running

• Follow the instructions on the following pages
Locate the sample dose sheets

- C:\xampp\htdocs\radiance-root\sampledata
Copy the samples to the RADIANCE inbox

• Copy the sample dose sheets to c:\xampp\htdocs\radiance-root\radiance-inbox
Now, run the RADIANCE pipeline
RADIANCE opens a browser...
If you see this output, it works!
See the data in the RADIANCE database

- Point a browser back to [http://localhost/phpmyadmin](http://localhost/phpmyadmin), and you will have data in the master* tables as proof that RADIANCE has run
Not Using XAMPP? Read This

- If you are not using XAMPP and instead have another web server installed already, here are the steps you need to follow to install RADIANCE
  1. Import the table structure found in the radiance-root \radiance\radiancev2tables.sql file.
  2. Find the DICOM dose sheets you want to process and put them in the radiance-root\radiance-inbox folder.
  3. Double-click on the radiancepipeline.bat file in the radiance-root\ folder and voila, RADIANCE runs!
  4. Output will go to your default browser. You can configure how much or little output you want by editing the radiance_config.php file under radiance-root\radiance\.
Looking to upgrade from RADIANCE v1.0?

• A separate RADIANCE update script will be available on the RADIANCE website. This script will enable you to move the data from your existing RADIANCE database to the new database schema.

• A separate zip file with the updated components of RADIANCE will also be made available.
Want More Information?

• Please refer to the Users’ Guide for more information on how to get RADIANCE working at your imaging center.

• You can also visit the RADIANCE Google Group at https://groups.google.com/forum/#forum/radiance-users for more information.

• In a pinch, you can email your questions to radiancedose@gmail.com.
THANK YOU FOR USING RADIANCE!