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## **DSRSVC**

Extensible OEM DICOM Server

DSRSVC is an extensible OEM DICOM Archive (PACS) with  
Plugin API for Microsoft Windows.

**RZ Software Services**  
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## Overview

DSRSVC is an extensible DICOM Server (PACS) for OEM. DSRSVC exposes a rich plugin API.

Built on top of RZ's popular DICOM Toolkit, RZDCX, DSRSVC is fully compatible with any DICOM application such as imaging modalities, radiology workstations and other PACS.

## Main Features

- Out-of-the box 'install and go' zero configuration DICOM Storage Service
- Automatic startup/shutdown with Windows System as backend service
- Full audit log on system event logger ready for email and text notifications
- Open Architecture Plugin API controls all functionality

## Rich Plugins Library

DSRSVC functionality can be extended and modified to your needs with the unique Plugin API. We provide ready to use plugins:

- Database Plugin for Microsoft SQL Server for open architecture PACS Implementation using MS SQL Server 2005/2008 (All editions including Express)
  - DICOM Storage SCP
  - DICOM Q/R SCP
  - DICOM Storage Commitment SCP
  - DICOM Modality Performed Procedure Step SCP
  - DICOM Modality Worklit SCP
- INI File Plugin for configurable, lean, zero footprint, DICOM backend service
- Hot Folder Plugin for distribution solutions

## System Requirements

DSRSVC requires minimum system resources and can be used on embedded appliances.

DSRSVC is tested on the following Operating Systems:

- Windows XP (Home, Professional and Embedded)
- Windows 2003 Server
- Windows 2003 Server (x32/x64)
- Windows 2008 Server ((x32/x64)
- Windows Vista (x32/x64)
- Windows 7 (x32/x64)



## Installation and Configuration

To Install DSRSVC as a background process (service) just run it with the `-i` (install) parameter. No further configuration is required. The service is added to the system and starts automatically with the system listening on port 104 and store files on the default hard drive in the DSRSVC folder.

Use the default INI configuration file to set AE title, port, location of storage and remote application.

To install a plugin, save the plugin DLL named DSRSVCp.DLL in the same folder with the application EXE and configure parameters such as connection string and other settings.

## Plugins Development

We provide rich Plugin API documentation including commented and documented plugin examples.

## About RZ Software Service

RZ Software Services develops DICOM and HL7 solutions and provide healthcare IT and medical imaging consultation and development services.

Since 2002 RZ's helped dozens of companies and organizations around the world to meet their healthcare IT goals and create innovative medical products.

RZDCX – Fast Strike DICOM Toolkit, the flagship of RZ's products, was launched in 2008 and immediately recognized as one of the most efficient and compatible DICOM toolkits.

HL7Kit Pro – RZ's HL7 Integration Engine makes HL7 integration as simple as Drag & Drop. With a WYSIWYG rules definition, achieving HL7 integration is a matter of minutes.



## Customers

