

Codonics Virtua Disc Anonymization

Overview

Codonics® Virtua® v4.1.0 allows a user to configure the method of anonymization of DICOM tags.

NOTE: Patient XML/PDF reports are not included on anonymized discs. With the dicom2011 and dicom2011retain Anonymization Profiles, relevant tags in Structured Reports and Encapsulated PDFs are anonymized.

Operational Description

Three files are provided in the \profiles\dicom\ folder on the SmartDrive to assist with the configuration of Anonymization. These files are:

- ◆ anonymize.default.txt
- ◆ anonymize.dicom2011.txt
- ◆ anonymize.dicom2011retain.txt

The 'default' file provides simple anonymization that Virtua provided in releases prior to v4.1.0.

The 'dicom2011' file provides a template that meets the DICOM Standard 2011 3.15 E.2 Basic Application Level Confidentiality Profile.

The 'dicom2011retain' file provides a template that meets the same DICOM Standard and implements the options for retaining the Patient Characteristics and Device Identity.

The files provided may be customized if needed using the configuration settings described in this Tech Brief.

Selecting Anonymization

To control the Anonymization the following settings must be configured in a Job Profile in the \profiles\job folder on the SmartDrive.

Parameter: **anonymizedCopies**
Settings: **0 - 99**
Default: **0**
Description: Specifies the number of anonymized discs that are created.

Parameter: **anonymizationProfileName**
Settings: **Profile Name**
Default: **default**
Description: The name of the Anonymization Profile in the \profiles\dicom\ folder to be used. For example, the 'anonymize.dicom2011.txt' file is specified as 'dicom2011'.

Customizing Anonymization

To customize the Anonymization the following settings can be configured in an Anonymization Profile in the \profiles\dicom folder on the SmartDrive.

NOTE: Only Latin1 characters can be used for Dummy entries.

Parameter: **defaultDummyText**
Settings: **Text**
Default: **REMOVED**
Description: The text that is used to replace patient information in a DICOM text field.

Parameter: **defaultDummyDate**
Settings: **Date string in yyyyymmdd format**
Default: **99990101**
Description: The date that is used to replace the value of a DICOM date field in the study.

Parameter: **defaultDummyTime**
Settings: **Time string in HHMM[SS] format**
Default: **0000**
Description: The time that is used to replace the value of a DICOM time field in the study.

Parameter: **deidentificationMethod**
Settings: **Text**
Default: **Blank**
Description: Description of the anonymization performed written on the anonymized images. Required by DICOM 2011.

Parameter: **anonymizeTag**
Settings: **xxxx,yyyy = K, X, Z, D [= Text]**
Default: As specified in the default files provided in the \profiles\dicom\ folder on the SmartDrive.

Description: **K** - Keep the associated DICOM tag as specified in the study.
X - Remove the associated DICOM tag from the study.
Z - Replace the value with Zero-length text (blank) as specified by the DICOM 2011 standard.
D - Replace the value with the Dummy Value of this field type as specified above.
Text - Optional. Replaces the value of only this tag with the specified text instead of the default as specified above.

Technical Support

If problems occur that are not covered by this Technical Brief, contact Codonics Technical Support between the hours of 8:30AM and 5:30PM EST (weekends and U.S. holidays excluded).

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