

SIGNATURE SIZES AND LONG TERM VALIDATION

Options for solving problems created by size limit restrictions:

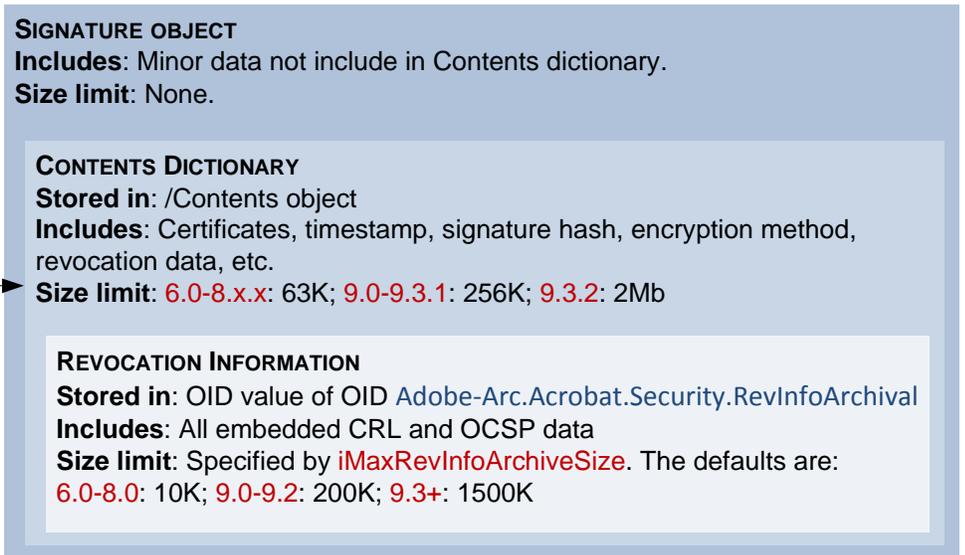
- ✓ Limit the size of embedded CRLs.
- ✓ Increase the allowed size of **iMaxRevInfoArchiveSize**.
- ✓ Increase the allowed size of **iSize**.
- ✓ Don't embed revocation information: Only use online or cached data (Not recommended as embedding assures long term validation and is required for certified documents).
- ✓ Use a document security store (DSS), and store revocation information outside of the signature object.

DATA STORED IN THE SIGNATURE OBJECT . . .

Application options for embedding revocation information in the signature object:

- ✓ UI preference (maps to **blsEnabled**): Include signature's revocation status when signing
- ✓ Certificate extension ArchiveRevInfo: Store data in Adobe-Arc.Acrobat.Security.RevInfoArchival OID value.
- ✓ Seed value

This block won't resize if the timestamp is too large because the timestamp is computed over the Contents dictionary. However, you can increase the default size of **cAdobe_TSPProvder::iSize** so that Acrobat sets aside enough space for larger timestamps. 9.x default: 4096; 10.0: 6144



LONG TERM VALIDATION (LTV) DATA IS STORED OUTSIDE THE SIGNATURE OBJECT . . .

The document security store (DSS) enables embedding long term validation (LTV) data such as large CRLs outside the signature object. DSS is an extension to ISO 32000-1 and part of the PAdES standard. For more information, see PAdES Long Term at <http://pda.etsi.org/pda/queryform.asp>.

Features:

- ✓ Not part of the signature object.
- ✓ LTV data can be added post-signing without affecting an existing signature's validity.
- ✓ Many signatures using the same CRL can reference one CRL thereby eliminating copies.
- ✓ Added programmatically via LiveCycle or by UI.
- ✓ DSS does not require a timestamp.
- ✓ No size restrictions.
- ✓ 9.1 and later only. Not backward compatible with pre 9.x versions.

11.0 changes:

- ✓ **iAutoAddLTV** allows configuring automatic LTV for all signatures in a PDF.
- ✓ If LTV info is larger than 10% of the doc size + 10kb, a dialog asks the user to confirm the action.

