ADSS Client SDK - Release Notes

This document provides a high-level description of the new features offered in each release of the ADSS Client SDK. Only the main bug fixes in each release identified.

ADSS Client SDK v6.9 — September 2021

- ADSS Client SDK is qualified to work with ADSS Server v6.9.
- Ascertia ADSS Client SDK for Java and .Net no longer ship with embedded iText libraries. Customers **must** purchase iText 7 directly from the iText team. For more details, refer to the **ADSS-AFP-Upgrade-Notes** document. The software license for iText community edition cannot be used by Ascertia customers for commercial use.

ADSS Client SDK v6.8 — January 2021

- ADSS Client SDK is qualified to work with ADSS Server v6.8.

ADSS Client SDK v6.7 — July 2020

- ADSS Client SDK is qualified to work with ADSS Server v6.7.

ADSS Client SDK v6.6.0.9 — June 2020

- ADSS Verification Service has been enhanced to support the legal entity identifier and role information in the verification response via its HTTP interface.

ADSS Client SDK v6.6.0.7 — June 2020

- Go>Sign Desktop has been enhanced to support:

  (a) Go>Sign Desktop will listen only on local address i.e. 127.0.0.1/localhost.

  (b) Check domain using Origin header from http request instead of using JavaScript.

  (c) Removal of old certificate while adding a new one so that multiple entries are not added in trust store.

ADSS Client SDK v6.6.0.5 — May 2020

- Resolved an issue related to Trust Store and Proxy Settings while generating PADES-LTV signatures.

ADSS Client SDK v6.6.0.4 — April 2020

- Resolved an issue in Go>Sign Desktop related to signing operation in case of multiple slot token.

ADSS Client SDK v6.6 — March 2020

- ADSS Client SDK is qualified to work with ADSS Server v6.6.

ADSS Client SDK v6.5.0.2 — January 2020

- An issue has been resolved related to revocation information in CMS Signature.

ADSS Client SDK v6.5 — November 2019

- ADSS Client SDK is qualified to work with ADSS Server v6.5.

ADSS Client SDK v6.4 — September 2019

- ADSS Client SDK is qualified to work with ADSS Server v6.4.

ADSS Client SDK v6.3.0.18 — April 2020

- Resolved an issue related to Proxy Settings while generating PAdES-LTV signatures.

ADSS Client SDK v6.3.0.3 — July 2019

- Go>Sign Desktop enhanced to support SAN Extensions.

ADSS Client SDK v6.3 — July 2019

- ADSS Client SDK is qualified to work with ADSS Server v6.3.

ADSS Client SDK v6.2 — June 2019

- ADSS Client SDK is qualified to work with ADSS Server v6.2.

ADSS Client SDK v6.1 — May 2019

- ADSS Client SDK is qualified to work with ADSS Server v6.1.

ADSS Client SDK v6.0 — November 2018

- ADSS Client SDK is qualified to work with ADSS Server v6.0.

ADSS Client SDK v5.10 — October 2018

- ADSS Client SDK has been enhanced to support field locking at the time of signature as opposed to at the end of the workflow. This ensures greater adherence to ISO PDF standards and supports the all new SigningHub feature of workflow termination before all designated signatories have signed the document. With this new capability you can be assured that any information added to a PDF document via input fields by a signatory is locked immediately after the signing operation. Thus protecting the integrity of inputted information throughout the workflow.

ADSS Client SDK v5.9.0.2 — September 2018

- Various stability improvements.

ADSS Client SDK v5.9 — September 2018

- Signing API enhanced to support Remote Authorised Signing for business applications.
- Certification API enhanced to support Remote Authorised Signing functionality for user and device registration.
- RA API enhanced to support Remote Authorised Signing functionality for user and device registration.

ADSS Client SDK v5.8.0.4 — August 2018

- An issue has been resolved related to TLS client authentication while generating PAdES Part 4 signatures using local hashing.

ADSS Client SDK v5.8 — May 2018

- ADSS Client SDK is qualified to work with ADSS Server v5.8.

ADSS Client SDK v5.7 — April 2018

- ADSS Client SDK is qualified to work with ADSS Server v5.7.

ADSS Client SDK v5.6 — February 2018

- Signing API enhanced to support PSS signature padding scheme.
- ADSS Client SDK is qualified to work with ADSS Server v5.6.

ADSS Client SDK v5.5.0.6 — November 2017

- An issue has been resolved related to signing time in PDF signatures.

ADSS Client SDK v5.5.0.5 — October 2017

- An issue has been resolved related to the PKCS#11 PIN dialog.

ADSS Client SDK v5.5.0.4 — September 2017

- An issue has been resolved related to signing time in PDF signatures.

ADSS Client SDK v5.5.0.1 — July 2017

- Various stability improvements.

ADSS Client SDK v5.5 — July 2017

- The ADSS Client SDK libraries are qualified to work with the ADSS Server v5.5.

ADSS Client SDK v5.4.0.6 — June 2017

- Go>Sign Desktop installer is improved.

ADSS Client SDK v5.4 — January 2017

- ADSS Client SDK Verification API has a new option to return the PDF, XML or CMS enhanced signature(s).

ADSS Client SDK v5.3.0.1 — December 2016

- ADSS Client SDK now handles different image formats e.g. JPEG, PNG etc. for the hand signature in the PDF signature appearance.

ADSS Client SDK v5.3 — November 2016

- The Signing API in the ADSS Client SDK has been enhanced to check:

  (a) If a document has already been signed.

  (b) If certify restrictions have been applied to a PDF document.

- The Certification API has been enhanced to support new Authorise, Unauthorise and Import certificate requests.

ADSS Client SDK v5.2.0.4 — September 2016

- Resolved an issue related to MS Office signing.

ADSS Client SDK v5.2.0.3 — September 2016

- Resolved an issue related to XML file signing.

ADSS Client SDK v5.2.0.1 — August 2016

- The ADSS Client SDK libraries are recompiled to work with the ADSS Server v5.2.0.1.

ADSS Client SDK v5.2 — July 2016

- The Signing API in the ADSS Client SDK has been enhanced to meet the EU eIDAS Regulation requirements to:

  (a) Create Qualified Signatures using server-side (remote) signing in accordance with CEN/TS 419241.

  (b) Create Qualified eSeals using server-side (remote) signing with user authorisation in accordance with CEN/TS 419241.

ADSS Client SDK v5.1.0.2 — June 2016

- Go>Sign Desktop MAC has been enhanced to fix PKCS#11 related issues.

ADSS Client SDK v5.1.0.1 — June 2016

- The Signing API in the ADSS Client SDK .NET has been enhanced to send multiple documents in a single HTTP/S (high speed protocol) request.

ADSS Client SDK v5.1 — April 2016

- The default mode for ADSS Server Signing and Verification services has been changed to HTTP/S from OASIS/DSS.
- Support is now provided for the EU eIDAS Regulation No. 910/2014 and allows all possible RDNs to be passed in an ADSS Certification Service request.

ADSS Client-SDK v5.0.0.4 — February 2016

- Resolve an issue related to office signature verification in .NET SDK.

ADSS Client-SDK v5.0.0.3 — February 2016

- ADSS Client SDK .NET has been enhanced to send Request ID in PDF signing request.

ADSS Client-SDK v5.0.0.1 — January 2016

- Resolve an issue related to backward compatibility with ADSS Server v4.x.

ADSS Client SDK v5.0 — December 2015

- The Signing API now supports signing multiple documents in a single HTTP/S (high speed protocol) request (signing multiple documents has always been supported using OASIS DSS protocols).
- For use with XAdES signatures only, the Signing APIs now support passing selected elements of an XML document that are defined in the signing profile or passing XPath expression(s).
- The OCSP APIs now support making requests to an OCSP responder using a selected hash algorithm (defaulted to SHA-256).
- The ADSS Client SDK libraries are qualified to work with the ADSS Server v5.0.

ADSS Client-SDK v4.8.6.4 — December 2015

- Resolved an issue related to PDF visible signature field parsing.

ADSS Client SDK v4.8.6 — September 2015

- The ADSS Client SDK libraries are qualified to work with the ADSS Server v4.8.6.

ADSS Client SDK v4.8.5 — July 2015

- The ADSS Client SDK libraries are qualified to work with the ADSS Server v4.8.5.

ADSS Client SDK v4.8.4 — April 2015

- The signing and verification DotNet APIs now support Microsoft Office 2013 and Office 365 documents.

ADSS Client SDK v4.8.3 — February 2015

- The ADSS Client SDK libraries are recompiled to work with the ADSS Server v4.8.3.

ADSS Client SDK v4.8.2 — November 2014

- The signing APIs now support Empty Signature Field creation for local and remote hashing using field coordinates.
- The signing and verification Java APIs now support Microsoft Office 2013 and Office 365 documents.
- The certification APIs have been enhanced to support digital certificate SAN extensions.
- The ADSS Client SDK v4.8.2 libraries must be used with ADSS Server v4.8.2.

ADSS Client SDK v4.8.1 — September 2014

- The ADSS Client SDK libraries are recompiled to work with the ADSS Server v4.8.1.

ADSS Client SDK v4.8 — August 2014

- The ADSS Client SDK libraries are recompiled to work with the ADSS Server v4.8.

ADSS Client SDK v4.7.7 — May 2014

- The ADSS Client SDK .Net version is now a single distribution version for 32bit and 64bit systems.
- Jar files in the ADSS Client SDK Java prefixed with adss_* and asc_* have been merged into a single jar named adss_client_api.jar.

ADSS Client SDK v4.7.6 — January 2014

- ADSS Client SDK now supports local hashing for PAdES Part 4 LTV signatures.

ADSS Client SDK v4.7.5.1 — October 2013

- ADSS Client SDK .NET now supports SOAP v1.2 and has enhanced SOAP fault management.

ADSS Client SDK v4.7.5 — October 2013

- Resolved an issue in the Signing API when using local hashing with detached PDF signatures.

ADSS Client SDK v4.7.4 — July 2013

- A new Go>Sign demo has been added that shows XML signing and encryption for business use cases that need guaranteed privacy beyond TLS/SSL such as e-tendering.

ADSS Client SDK v4.7.3 — June 2013

- The ADSS Signing Service APIs have been enhanced to allow XML, XAdES, PKCS#7, CMS, CAdES signatures to be created when only the hash is sent to ADSS Server for server-side signing

ADSS Client SDK v4.7.2 — April 2013

- Go>Sign Demos enhanced to resolve compatibility issues with internet explorer web browser.

ADSS Client SDK v4.7.1.1 — January 2013

- Go>Sign Demos enhanced to not send the document to ADSS Go>Sign Service for certificate generation demos.

ADSS Client SDK v4.7.1 — January 2013

- Go>Sign Demo launching page improved for ease of use and user friendliness.

ADSS Client SDK v4.7 — December 2012

- Client API functions and sample programs have been added for the new ADSS RA Service.
- A new Go>Sign demo has been added to demonstrate client side key generation in PKCS#11 devices.

ADSS Client SDK v4.6.1 — October 2012

- Go>Sign Demos have been updated to work with new ADSS Go>Sign Service v4.6.1.

ADSS Client SDK v4.6.0.2 — October 2012

- Go>Sign Demos have been updated to resolve few minor issues.

ADSS Client SDK v4.6.0.1 — October 2012

- The Go>Sign demos have been updated to work with improved ADSS Go>Sign Service which now requires business applications to request the signed document back from ADSS Go>Sign Service.

ADSS Client SDK v4.6 — September 2012

- A new ADSS Go>Sign Service is now available as a licensed option in ADSS Server. This service updates and enhances the way Go>Sign Applet works with business applications. The existing Go>Sign Applet has been made part of the ADSS Go>Sign Service and it is no more shipped with the ADSS Client SDK.

ADSS Client SDK v4.5.7.1 — July 2012

- An issue related to use of optimized HTTP protocol for Verification Service request messages has been resolved.

ADSS Client SDK v4.5.7 — July 2012

- ADSS Go>Sign Applet PKCS#11 functionality has been enhanced to allow certificate filtering without PIN entry.

ADSS Client SDK v4.5.6 — May 2012

- ADSS Go>Sign Applet has been enhanced to use hand signature images obtained from a Wacom tablet or an image can be generated using a script font using the common name in the signer certificate.
- ADSS Go>Sign Applet can now be embedded in web applications which use HTML5 based web-pages.
- The default request mode for ADSS Server Signing and Verification services has been changed to OASIS DSS SOAP/XML from the deprecated original XML protocol.

ADSS Client SDK v4.5.5 — April 2012

- ADSS Client SDK now supports the embedding of text and images as watermarks within PDF documents.
- ADSS Go>Sign Applet has been enhanced to simplify integration with web applications and allow settings to be passed via new setter methods as well as the traditional workflow.xml approach.

ADSS Client SDK v4.5.4 — March 2012

- ADSS Go>Sign Applet has been enhanced in various areas:
  (a) Keys and certificates held within MAC OSX Tokend Keychains can be used;
  (b) ETSI AdES advanced attributes are now supported for locally generated signatures;
  (c) Key generation and certificate requesting is now supported for MSCAPI keystores;

- ADSS Go>Sign Applet demos have been separated into individual web applications to make it easier for new developers.
- It is now possible to additionally extract the timestamp tokens and notary signatures which can be used in court as forensic evidence.

ADSS Client SDK v4.5.3.3 — February 2012

- A conflict between ADSS Client SDK (Java) and Oracle parsers has been resolved.
- An issue related to collision of the certificate aliases has been resolved in Go>Sign Applet when using MSCAPI keystore for signing.

ADSS Client SDK v4.5.3.2 — February 2012

- An issue related to XML verification has been resolved.

ADSS Client SDK v4.5.3.1 — January 2012

- ADSS Go>Sign Applet performance has been enhanced by optimizing interactions with ADSS Server for revocation and verification checking as well as for signature appearance data.

ADSS Client SDK v4.5.3 — January 2012

- ADSS Go>Sign Applet now uses a simplified PKCS#11 interface method and dynamically finds and opens any PKCS#11 slot number that matches the password and uses any signer certificate found within this that matches the filter criteria set.
- ADSS Go>Sign Applet can now produce PDF and PAdES detached signatures by using the adb.pkcs7.detached filter.

ADSS Client SDK v4.5.2 — November 2011

- ADSS Go>Sign Applet has three new enhancements: (a) a new option to reset the applet environment, allowing the signing workflow to be changed within the same session, (b) the signing certificate selection functionality now supports filtering by certificate EKU criteria, and (c) the local font can now be set to enable the display of extended language characters.

ADSS Client SDK v4.5.1 — October 2011

- Verification Service request messages can now specify the current time (as well as historic time) for checking certificate status.
- New sample programs are provided for: Revoke Certificate, Renew Certificate, Recover Key, Delete Certificate and Change Password.
- New demos for CAdES, XAdES and PAdES have been added to the Go>Sign Demo Application - to show how Go>Sign can now use these signature types.

ADSS Client SDK v4.5 — August 2011

- Go>Sign Demo Application in ADSS .Net Client SDK has been enhanced to resolve signature verification issue in e-Tendering demo.

ADSS Client SDK v4.4.4 — July 2011

- The sample programs have been enhanced to demonstrate the use of the OASIS DSS interface for signing and verification services.
- ADSS Go>Sign Applet download speed has been enhanced.

ADSS Client SDK v4.4.3 — June 2011

- Go>Sign Applet can now filter certificates based on "QC statements" and also allows multiple issuer DNames, Policy OIDs and other filter criteria.

ADSS Client SDK v4.4.2 — May 2011

- ADSS Go>Sign Applet has been enhanced in these areas:
  - (d) A form-filled PDF document can now be returned to the business application.
  - (e) PDF form fields are now highlighted to identify their location.
  - (f) The ADSS Go>Sign Applet viewer has been enhanced to keep the display focused on the same location in the document immediately after a signature field is drawn.
  - (g) A mouse cursor appearance issue when drawing a signature field has been resolved. As has an issue with the verification of signatures produced with SHA2 algorithms.
  - (h) The use of a One Time Password (OTP) is now supported to confirm a signature request.
- A new sample code demo has been added to the ADSS Client SDK. The new demo shows how users can browse and select local PDF documents.
- ADSS Client SDK is now offered with support for Windows .NET 64 bit architecture.

ADSS Client SDK v4.3.1 (Patch Release) — April 2011

- A conflict between ADSS Client SDK (Java) and Oracle parsers has been resolved.
- Sample code showing how to use DSS-X verification reports within the ADSS Client SDK (Java) has been enhanced.

ADSS Client SDK v4.3 — March 2011

- ADSS Go>Sign Applet has been enhanced in these areas:
  - (a) The product name has been changed to Go>Sign Applet from Go>Sign Applet and the layout and integration options for the Go>Sign PDF viewer have been enhanced;
  - (b) PDF form filling is now supported;
  - (c) Certify signing PDF documents is now supported and the toolbar buttons react according to the restrictions / permissions applied;
  - (d) The user can choose to hide the toolbar and thumbnails to see a full screen document view;
  - (e) The Go>Sign Developers guide has been enhanced to provide greater self-help details;
  - (f) All error messages are now multilingual;
- Added support for sending requests to the Verification Gateway service.
- The ADSS Developers Guide has been enhanced to better explain the OASIS DSS protocol and to provide greater self-help details.
- Signed XML response messages from ADSS Server can now be verified.

ADSS Client SDK v4.2.2 (Patch Release) — November 2010

- ADSS Client SDK has been enhanced to correctly handle all supported and unsupported certificate extensions.
- XAdES/CAdES plug test enhancements have been integrated.

ADSS Client SDK v4.2.1 (Patch Release) — October 2010

- ADSS .NET Client SDK has been enhanced: (a) adding a new sample program VerifyPDFReport, (b) fixing a response status issue within the OASIS DSS protocol and (c) fixing an issue within the OASIS DSS verification report.
- Scrolling in the ADSS Go>Sign Applet PDF viewer is enhanced.

ADSS Client SDK v4.2 — August 2010

- ADSS Go>Sign Applet has been enhanced in these areas:

(a) Performance has been enhanced in certain areas;

(b) Automatic retries occur when a configuration file fails to download;

(c) A certificate viewer is provided within ADSS Go>Sign Applet Professional.

- New sample programs for handling XKMS and SCVP requests and responses in both JAVA and .NET versions have been added.
- The documentation has been enhanced to provide even greater self-help details.

ADSS Client SDK v4.1.1 (Patch Release) — May 2010

- ADSS Go>Sign Applet has been enhanced in these ways:
  (a) To be able to use "userprofile" environment variable to define the Windows user profile directory
  (b) To avoid HTTP/HTTPS mixed content warnings on Internet Explorer 7+
  (c) To fix a hash computation issue when running over SSL

ADSS Client SDK v4.1 — April 2010

- Added system properties to allow the XML parser and transforms classes to be used from within Oracle, IBM and other Java environments thus overriding the default ADSS Client SDK classes.
- Implemented various performance and feature enhancements for ADSS Go>Sign Applet.
- Added support for Java 1.5 as well as Java 1.6 to enable ADSS Services for older environments.
- Added support for SCVP (Server based Certificate Validation Protocol).
- Added support for DSS-X verify detailed reporting.

ADSS Client SDK v4.0.1 (Patch Release) — January 2010

- Go>Sign Applet has been enhanced to enable OCSP status information to be optionally embedded within long-term signatures.
- The optional sample data that can be used by sample programs has been enhanced.

ADSS Client SDK v4.0 — November 2009

- Added IETF CMC protocol support for certificate generation and revocation requests and also back-end CA communication (integration tested with the AET BlueX RA).
- New Go>Sign demos are added to the ADSS .NET Client SDK package in order to guide integrators how to use Go>Sign in different business scenarios.
- Additional error handling and further code documentation is provided within both the JAVA and .Net Go>Sign demo applications.
- The API documentation is further enhanced for both the JAVA and .NET ADSS Client SDK.

ADSS Client SDK v3.8.2 (Patch Release) — November 2009

- An issue related to date format in the Go>Sign license is resolved.

ADSS Client SDK v3.8.1 (Patch Release) — October 2009

- Go>Sign applet can now produce invisible signatures on the PDF documents.
- Go>Sign applet shows a progress bar when communicating with the web application.
- Various issues related to zooming functionality are resolved in Go>Sign applet.
- An issue is resolved in Client SDK .NET related to generating incorrect certificate subject DN.

ADSS Client SDK v3.8 — October 2009

- A new ADSS Client SDK .NET API is provided that supports the OASIS DSS interface, Local hashing, LTANS, XKMS and Decryption services and is consistent with the Java API. New sample programs for the .NET Client API are also provided for these features.

- The communication protocol between the Go>Sign Applet and a web application has been enhanced and generalized to support all the new features offered in Go>Sign Professional. Similarly the ADSS Client SDK now includes Go>Sign protocol handlers for both Java and .NET so that the integration of Go>Sign Applet and ADSS Server with web applications is easier.
- Go>Sign Applet now supports the local hashing of PDF documents, local signing and local assembly. A further licensed option allows a PDF viewer to be used which supports local file handling, empty signature field creation, signing by clicking a blank signature field, signature verification, document printing and zooming capabilities.
- Go>Sign Applet now has a licensed option to generate and use roamed credentials. These roamed credentials are stored on the ADSS Server and can be passed to the Go>Sign Applet at the time of signing, thus allowing users to sign with keys that under their sole control from any system they are using.
- A new Go>Sign Applet demo application is provided that contains six different examples of how Go>Sign can be integrated in different business scenarios.
- Go>Sign Applet can now encrypt documents of any format using XML Encryption after signing. This functionality is only available under a special release of the Go>Sign applet and not provided by default. ADSS Server has a special Decryption Service module that supports the decryption of such objects and new ADSS Client Java API is provided that supports this feature.

ADSS Client SDK v3.7 — August 2009

- New client API and sample programs are provided for ADSS Client SDK to perform local hashing for ADSS Server Signing Service (currently only Java API).
- New client API is provided for ADSS Client SDK to request signing of multiple documents in one signing transaction from ADSS Server Signing Service. This is for Java API only and using the OASIS DSS protocol.
- New client API is added for ADSS Client SDK to provide end-user (signed) authorisation information for server-side signatures as part of an approval process for using high trust keys held in the ADSS Server database or an HSM (currently only Java API).
- New e-Tendering demo web application is added to the Java based ADSS Client SDK to demonstrate the ability to sign and encrypt documents as part of an upload process within an example e-Tendering application.
- .Net based ADSS Client SDK is now delivered as a separate package.
- ADSS Client SDK is recompiled to run with the new release of the ADSS Server v3.7.

ADSS Client SDK v3.6 — June 2009

- New client API and sample programs are added for the ADSS Server LTANS service.
- New client API and sample programs are added for the ADSS Server XKMS service.
- New client API and sample programs are added to support the OASIS DSS protocol for signing and verification of digital documents.
- Class hierarchy in the java based ADSS Client SDK is changed, any existing applications which were using the previous version of the ADSS Client SDK, will need to be recompiled if upgrading to the new ADSS Client SDK.

*** End of document ***