Adobe® LiveCycle® Digital Signatures ES4

Integrate digitally signed and certified documents into your critical business processes

Product summary

Adobe LiveCycle Enterprise Suite 4 (ES4) is a document and forms platform that helps you capture and process information, deliver personalized communications, and secure and track sensitive information.

LiveCycle Digital Signatures ES4 is built into LiveCycle solutions, adding document integrity and authenticity without the risk, cost, and training required to integrate another third-party security point product. With LiveCycle Digital Signatures, you can:

- Leverage digital signatures that can have legal validity for fully electronic business processes
- Better prepare documents for long-term retention
- Use signatures to mark approval for key business milestones in a document workflow
- Improve efficiency and cycle time by automating the handling of all PDF documents
- Sign documents individually or in batch mode

Add trust and security to electronic transactions. Protect documents within and beyond the firewall—enabling faster business processes, improving regulatory compliance, and lowering paper costs.

Enable faster business processes

By integrating with strong client- and server-based public key infrastructure (PKI) credentials and leading certificate authorities, the Adobe LiveCycle Digital Signatures module helps protect and validate the authenticity and integrity of PDF documents. This, in turn, reduces the risks and costs associated with document falsification, which can range from financial penalties to brand erosion. With LiveCycle Digital Signatures, you can conduct business transactions with any stakeholder, confident that your signed documents provide the critical security assurances you need.

Streamline business processes

With support for the PDF format and Adobe Reader® and Adobe Reader for Mobile software, which are deployed on 700 million devices worldwide, LiveCycle Digital Signatures helps ease user adoption, allowing organizations to close the loop faster on automated enterprise processes. You can also apply digital signatures to dynamic XML Forms Architecture (XFA) forms to incorporate them into your protected processes.

For example, in the pharmaceutical industry, the exchange of information between companies, partners, and regulators is essential to delivering safe and effective products. LiveCycle Digital Signatures can be employed with other Adobe LiveCycle modules to streamline the process of creating, managing, reviewing, approving, and signing research and development (R&D) and clinical documents. Reviewers can sign and approve documents in bulk via a web portal, and create signed PDF files that comply with the Signatures and Authentication for Everyone (SAFE)-BioPharma digital signature standard.

Strengthen regulatory compliance

Digital signatures on PDF documents protect the integrity of financial records, provide nonrepudiation, and retain tamper-evident signature information, in compliance with long-term archiving requirements. When used in conjunction with Adobe LiveCycle Output ES4, signed PDF documents can be batch-converted to the PDF/A archiving standard while retaining transaction evidence in digital signature details. LiveCycle Digital Signatures can also add validation and revocation information into documents after they have been signed, so even files that are opened after years of being archived can have their signatures validated.

Improve accountability

By establishing the identity and intent of vendors and buyers, contracting parties, process approvers, and others with LiveCycle Digital Signatures, you can help ensure that transactions cannot be repudiated.

In addition to supporting signature transactions with credentials stored on the server, you can also use LiveCycle Digital Signatures to deploy server-managed signing applications for desktop and user-held credentials. Batch signing processes via a signature software programming interface (SPI) allow a user working within a web browser environment to sign multiple documents rather than opening each document individually. This capability allows organizations to meet high-assurance requirements in which the signing credential must be controlled by the individual, yet enables central management of the signing process.

System requirements

Adobe LiveCycle ES4 supports market-leading operating systems, web application servers, and databases. For platform support and system requirements, visit *www.adobe.com/go/lc_systemreqs*.

Related LiveCycle modules

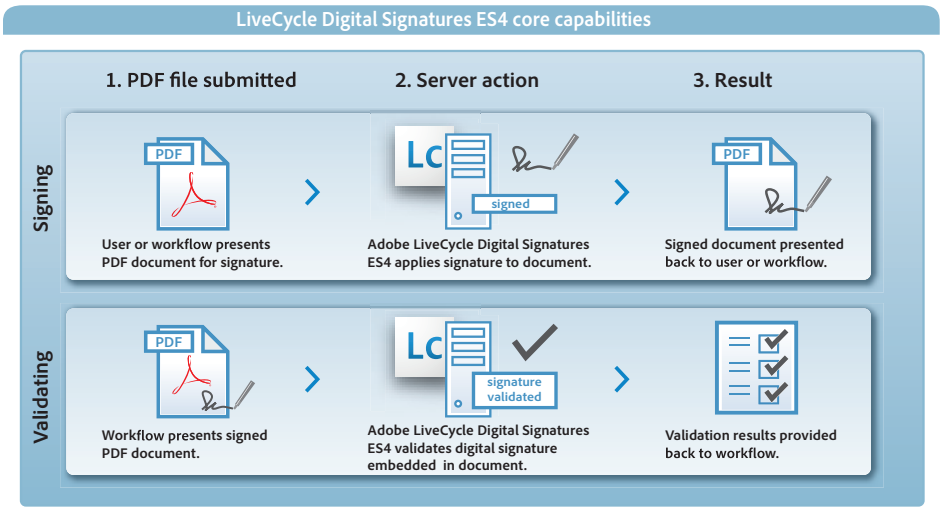
- Output
- Forms Standard and Forms Pro
- Process Management
- Reader Extensions

Leverage existing IT investments

Built on J2EE, LiveCycle Digital Signatures ES4 integrates with existing enterprise infrastructures through Java™ APIs and support for web services. It can be deployed on BEA WebLogic, IBM WebSphere, and JBoss application servers. Integrate LiveCycle Digital Signatures ES4 with existing authentication and enterprise content management (ECM) systems for cost-effective, centralized document protection, control, and administration. LiveCycle Digital Signatures also leverages existing investments in PKI, enabling signing with most any X.509 certificate and works with sophisticated authentication server deployments, such as synchronized multiserver environments, to support massive scalability.

LiveCycle Digital Signatures provides an easy-to-use interface to integrate digital signatures into Hardware Security Modules (HSMs), reducing the complexity of configuring your system. By taking advantage of HSMs and Federal Information Processing Standard (FIPS)-mode support, you can create best-of-breed digital signature solutions that fit with your authentication investments and governance framework. You can also leverage a provisioning software development kit (SDK) to simplify and lower the cost of deployments.

Free and widely deployed Adobe Reader, Adobe Reader for Mobile, and common web browsers are used to support desktop signing (with Adobe LiveCycle Reader Extensions ES4) and verification, without needing to deploy additional tools.



For more information

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