

ADOBE® LIVECYCLE® DIGITAL SIGNATURES ES INTEGRATE DIGITALLY SIGNED, CERTIFIED, AND VALIDATED PDF DOCUMENTS INTO YOUR WORKFLOWS



Adobe technology solutions

Adobe LiveCycle ES software is an integrated server solution that blends data capture, information assurance, document output, process management, and content services to help you create and deliver rich and engaging applications that reduce paperwork, accelerate decision-making, and help ensure regulatory compliance.

LiveCycle Digital Signatures ES enables the automated creation, validation, and processing of digital signatures:

- 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 automated processes within and beyond the firewall while inspiring confidence, improving regulatory compliance, and lowering costs.

Inspire confidence

Use LiveCycle Digital Signatures ES to inspire confidence in business transactions, workflows, and regulatory compliance. Integrate with strong client- and server-based PKI credentials and certificate authorities to provide authenticity and integrity for PDF documents. Improve transaction speed and completion rates. Help ensure compliance with regulatory requirements, protecting your company from costly document falsification, fines, and brand erosion. Enter into contracts and business transactions with the confidence that signed documents provide the security assurances you need to collaborate with any stakeholder.

Streamline business processes

LiveCycle Digital Signatures ES enhances the user experience and helps businesses close the loop on digital processes with solutions that are faster and less expensive to develop. Simplify and reduce the cost to develop electronic signature applications in response to market conditions, customer requirements, and regulatory and governance requirements.

Leverage LiveCycle Digital Signatures ES support for the PDF format and Adobe Reader® software, deployed on 700 million devices worldwide. Ease adoption and improve user experiences by

delivering the paper-like fidelity of PDF. Create digital signatures on PDF documents that provide tamper-evident signature information in compliance with long-term archiving requirements. Enable automated validation of digital signatures and document integrity.

Meet regulatory requirements

Protect the integrity of financial records and provide nonrepudiation. Leverage support for other Adobe LiveCycle ES (Enterprise Suite) solution components, including Adobe LiveCycle Output ES, to batch-convert signed PDF documents to the PDF/A archiving standard while retaining transaction evidence in digital signature details.

For example, pharmaceutical companies must invest heavily in the development of new products. The exchange of information between companies, partners, and regulators is essential to delivering safe and effective products. LiveCycle Digital Signatures ES can be employed with other LiveCycle ES solution components to streamline the process of creating, managing, reviewing, approving, and signing R&D and clinical documents that have been converted to PDF. Reviewers can sign and approve documents in bulk via a web portal, and create signed PDF files that comply with the SAFE-BioPharma digital signature standard.

Related products

- LiveCycle Forms ES
- LiveCycle Rights Management ES
- LiveCycle Output ES
- LiveCycle Process Management ES
- LiveCycle Content Services ES

Improve accountability

Establish the identity and intent of vendors and buyers, contracting parties, process approvers, and others with LiveCycle Digital Signatures ES to help ensure that transactions cannot be repudiated.

In addition to supporting signature transactions with credentials stored on the server, LiveCycle Digital Signatures ES can also be used 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 rich Internet application (RIA) or web browser environment to sign multiple documents rather than opening each document individually. This capability allows organizations to meet high-assurance requirements where the signing credential must be controlled by the individual, yet enables the central management of the signing process.

Leverage existing IT investments

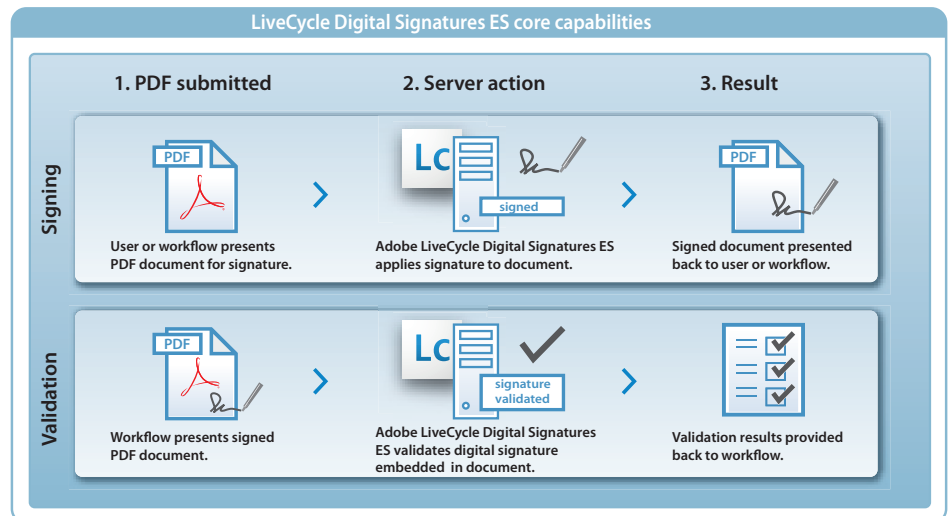
Built on J2EE, LiveCycle Digital Signatures ES easily integrates with existing enterprise infrastructures through Java™ APIs and support for web services. It can be deployed on BEA WebLogic, IBM WebSphere, and JBoss application servers. Integrate LiveCycle Digital Signatures ES with existing authentication and enterprise content management (ECM) systems for cost-effective, centralized document

protection, control, and administration. LiveCycle Digital Signatures ES also leverages existing investments in PKI, enabling signing with most any X.509 certificate. Work with sophisticated authentication server deployments, such as synchronized multiserver environments, to support massive scalability.

Take advantage of hardware security modules (HSMs), and Federal Information Processing Standard (FIPS)-mode support to create best-of-breed digital signature solutions that fit with your authentication investments and governance framework. Leverage a provisioning SDK to simplify and lower the cost of deployments.

Use the free and widely deployed Adobe Reader and common web browsers to support desktop signing (with LiveCycle Reader Extensions ES) and verification, without needing to deploy additional tools.

For example, a bank could integrate LiveCycle Digital Signatures ES, LiveCycle Forms ES, and LiveCycle Output ES with its account-records database to automate the process of generating, signing, and delivering millions of statements per month. By leveraging support for hardware security modules, the bank can help ensure confidence in its statements, reduce risks of phishing attacks, and provide nonrepudiation for customer transactions.



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For more information

For more details about Adobe LiveCycle Digital Signatures ES, visit adobe.com/products/lifecycle/digitalsignatures.

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