# IntegriSign for Adobe Acrobat

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# 1. Introduction

An IntegriSign plug-in allows you to create a document and sign it electronically with your handwritten signature using an ePad device. The plug-in facilitates:

- 1. **Signature Capture** The signature trace is captured and stored on the electronic document in a signature object.
- 2. **Content Hashing -** The signature object is bound to the contents of the document such that any alteration of the document after signing it would render the signature invalid.
- 3. **Document Verification** The document can be verified to ensure its integrity (i.e., confirming that it has not been tampered) after the act of signing.

# 2. Using IntegriSign in Adobe Acrobat

The IntegriSign for Adobe Acrobat plug-in allows you to create a document and sign it electronically with your handwritten signature using an ePad device. IntegriSign leverages the Acrobat digital signature plug-in framework to facilitate the standard features like Signature Capture, and Content Hashing.

#### 2.1 Creating a Signature in Adobe Acrobat 8.0

Signing in Adobe Acrobat Professional 8.0 can be accomplished in the following ways.

# Method I

- 1. Open the PDF document to be signed.
- 2. Click on the Sign tool Z Sign -
- 3. Click 'Place Signature' and then using mouse, click and drag to draw the area where you would like the signature to appear on your document.
- 4. Start signing in the displayed signature window.

# Method II

# Placing an Empty Signature field

- 1. Open the PDF document to be signed.
- 2. Click on the menu "Tools -> Forms -> Digital Signature Tool" as shown below.

New PDF Document1 - Adobe Acrobat Profe	ssional	
Create PDF + Combine Files +	Comment & Markup Select & Zoom	Help       Secure ▼     Sign ▼       Forms ▼     Sign ▼       Find
	Forms Measuring Typewriter Object Data	
	Customize Toolbars	Radio Button Tool      T_ Iext Field Tool      X_ Digital Signature Tool
•		Edit Layout

- 3. Using mouse, click and drag to draw the area where you would like the signature to appear on your document.
- 4. The Digital Signature Properties window is now displayed. Enter an

Digital Signature Properties	×
General Appearance Actions Signed	
Name Signature1	
Iooltip	
Common Properties	
Eorm Field: Visible	□ <u>R</u> ead Only
Orientation: 0 💌 degrees	🗖 Require <u>d</u>
Locked	Close

appropriate name in the General tab. You can set display details like font, text color, Borders and Colors etc. in the Appearance tab. Click 'Close'.

*Note:* Adobe Acrobat 8 Standard does not support placing of empty signature fields in a PDF.

Method III

#### Signing an Empty Signature field

Signing an Empty signature field can be accomplished in two ways. If you want to sign a particular signature field, click on the Hand tool Hand Tool and then on the created sign field. One can also sign an empty signature field using "Sign Document" option under the sign tool Sign . When this method is used, the signature fields get signed in the order they have been inserted in the document. That is, the first available unsigned signature field gets signed.

Note:

In case IntegriSign signature capture window is not displayed automatically in 8.0, click 'Preferences' in the Edit menu. Select 'Security'. On the right-hand side select the button "Advanced Preferences". In the displayed window, select "Creation" tab. Set the "Default Method to Use when Signing and Encrypting Documents" to "IntegriSign for Acrobat" as shown in the image below. Click on OK. In case IntegriSign Desktop software is not installed properly you may not see this option.

When IntegriSign Desktop is properly installed, in the "Signing Method" drop down list, you will also see "IntegriSign for Acrobat 9.0 and later" option. The purpose of this handler is to validate signatures signed using Acrobat 9.0 and later. For signing in Acrobat/Reader 8.0, use only "IntegriSign for Acrobat".

Verification Creation Windows In	tegration		
Default <u>M</u> ethod to Use when Sign	ing and Encrypting Docu status when signing	IntegriSign For Acroba	at
Show reasons when signing			
Show location and contact info	ormation when signing		
Enable Reviewing o	of Document Warnings:	When certifying a document	•
Prevent Signing Until Document V	Varnings Are Reviewed:	Never	•

In the "Verification" tab, make sure that the option "Use the document-specified method. Prompt if it is not available." is checked. This is the default option, if it was not manually modified by the user.

# 2.2 Selection of certificate for signing in Acrobat 9.0 and later

A digital certificate is required for signing in Acrobat 9.0 and later. Certificate Selection option in Desktop Configuration (which can be accessed from Start  $\rightarrow$  Programs  $\rightarrow$  IntegriSign Desktop  $\rightarrow$  Desktop  $\rightarrow$  Desktop Configuration) lets you specify the Certificate that needs to be used. The certificate can be a self-signed or from a trusted CA (i.e. Certification Authority). Screenshot of the Desktop Configuration window is shown below.

IntegriSign Desktop - Configuration	
Signature Appearance Pen Color: © Use Anti - aliasing © Use Thickness 2 = Show with Signature: Name © Date © Logo © Labels	Input Options ↓ Auto select Signer Name from list. Required Information ↓ Signer Name ← ePad LCD Options
Signature Size C Defaults C Custom: Width: 180 Height: 110 Background Logo	Background Image:  Default  Text to display below signature.  Default  Default
Please select an image.	Enable compliance text options
Signature Processing ✓ White Space Removal ✓ Maximum Enlargement Factor 1.25	Certificate Selection Select the Certificate to be used while signing in Acrobat 9.0 and later Certificate DN : <u>S</u> elect
OK	Cancel

#### 2.3 Creating a Signature in Adobe Acrobat 9.0

Signing in Adobe Acrobat Professional 9.0 can be accomplished in the following ways.

#### Method I

- 1. Open the PDF document to be signed.
- 2. Click on the Sign tool Sign -
- 3. Click 'Place Signature' and then using mouse, click and drag to draw the area where you would like the signature to appear on your document.
- 4. Start signing in the displayed signature window.

#### Method II

# Placing an Empty Signature field

- 1. Open the PDF document to be signed.
- 2. Click on the menu "Forms -> Add or Edit Fields" as shown below.

🔁 IntegriSign for MS Excel.pdf - Adol	e Acrobat Pro Extended	
File Edit View Document Comments	Forms Tools Advanced Window Help	
🖉 Create 🔹 着 Combine 🔹 💑	🗟 Start Form <u>W</u> izard	Forms • 📫 Multimedia • 🔗 Comment
	Add or Edit Fields Shift+Ctrl+7	
	Distribute Form	💌 102% 👻 拱 🔂 Find
	🛌 Compile Returned Forms	
	Manage Form Data	
	🚔 Trac <u>k</u> Forms	
ELECTRO	🛩 📕 Highlight Fields	1
574	Clear_Form	
	QuickBooks	1

- 3. If the opened PDF does not contain any prior form fields, one will receive a message saying "Currently there are no form fields in this PDF. Do you want Acrobat to detect form fields for you?" Click on "Yes" button. One will receive a message that "No new form field annotations were detected" and design mode of the PDF gets enabled. If the PDF contains form fields previously, one will not receive any messages and are directly taken to the design mode.
- 4. In the design mode, either click on "Add New Field" button in the toolbar or click on the menu "Forms -> Form Tools" and then select "Digital Signature".



5. Using mouse, click and drag to draw the area where you would like the signature to appear on your document. Right click on the newly inserted signature field and then select "Properties...".

6. The Digital Signature Properties window is now displayed. Enter an

Digital Signature Properties
General Appearance Actions Signed
Name Signature1
Iooltip
Common Properties
Eorm Field: Visible
Qrientation: 0  degrees Required
□ Locked <u>C</u> lose

appropriate name in the General tab. You can set display details like font, text color, Borders and Colors etc. in the Appearance tab. Click 'Close'.

# Method III

#### Signing an Empty Signature field

Signing an Empty signature field can be accomplished in two ways. If you want to sign a particular signature field, click on the Hand tool Hand Tool and then on the created sign field. One can also sign an empty signature field using "Sign Document" option under the sign tool Sign . When this method is used, the signature fields get signed in the order they have been inserted in the document. That is, the first available unsigned signature field gets signed.

Note:

In case IntegriSign signature capture window is not displayed automatically in 9.0, click 'Preferences' in the Edit menu. Select 'Security'. On the right-hand side select the button "Advanced Preferences". In the displayed window, select "Creation" tab. Set the "Default Method to Use when Signing and Encrypting Documents" to "IntegriSign for Acrobat 9.0 and later" as shown in the image below. Click on OK. In case IntegriSign Desktop software is not installed properly you may not see this option.

enication windows integration		
Default Method to Use when Signing and Encrypting Docur Include signature's revocation status when signing Show reasons when signing Show location and contact information when signing	nents:	IntegriSign for Acrobat 9.0 and I. Ask when I sign Adobe Default Security IntegriSign for Acrobat 9.0 and later IntegriSign For Acrobat
Enable Reviewing of Document Warnings:	When	certifying a document 🛛 👻
Prevent Signing Until Document Warnings Are Reviewed:	Never	

When IntegriSign Desktop is properly installed, in the "Default Method to Use when Signing and Encrypting Documents" drop down list, you will also see "IntegriSign for Acrobat" option. The purpose of this handler is to validate signatures signed using earlier versions of Acrobat. For signing in Acrobat/Reader 9.0, use only "IntegriSign for Acrobat 9.0 and later".

In the "Verification" tab, make sure that the option "Use the document-specified method. Prompt if it is not available." is checked. This is the default option, if it was not manually modified by the user.

In Acrobat 9.0, Signatures signed using IntegriSign can be verified using Acrobat's standard handler (i.e. "Adobe Default Security") in the absence of any IntegriSign software.

# 2.4 Creating a Signature in Adobe Acrobat 10.0

Signing in Adobe Acrobat Professional 10.0 can be accomplished in the following ways.

# Method I

- 1. Open the PDF document to be signed.
- 2. Click on the "Tools" button and then click on "Sign & Certify" pane item in the Tools task pane.
- 3. Click 'Place Signature' or 'Sign Document' and then using mouse, click and drag to draw the area where you would like the signature to appear on your document.
- 4. Start signing in the displayed signature window.

#### Method II

#### Placing an Empty Signature field

- 1. Open the PDF document to be signed.
- 2. Click on "Edit" button under "Forms" menu in the Tools task pane.
- 3. If the opened PDF does not contain any prior form fields, one will receive a message saying "Currently there are no form fields in this PDF. Do you want Acrobat to detect form fields for you?" Click on "Yes" button. One will receive a message that "No new form field annotations were detected" and click on "OK" button. Design mode of the PDF gets enabled. If the PDF contains form fields previously, one will not receive any messages and are directly taken to the design mode.
- 4. In the design mode, either click on the "Forms -> Tasks -> Add New Field" and then select "Digital Signature" or click on "Add a digital signature" button in the toolbar as shown in the image below.

DintegriSign for MS Excel.pdf - Adobe Acrobat Pro
File Edit View Window Help
Create 🗸 🛛 🎦 🖨 🕅 🎞 🔽 💿 🗊 🐨 📧 🖾 🔤 Create 🗸
I / 7 R 107%        I / 7 R 107%      I 107%      I Pr Add a digital signature; add signature options from the Properties view
0, , , , , , , , , , , , , , , , , , ,

5. Using mouse, click and drag to draw the area where you would like the signature to appear on your document. Right click on the newly inserted signature field and then select "Properties...".

6. The Digital Signature Properties window is now displayed. Enter an

Digital Signature Properties 🛛 🗙
General Appearance Actions Signed
Name Signature1
Iooltip
Common Properties
Eorm Field: Visible
Qrientation: 0 🔽 degrees 🗌 Require <u>d</u>
□ Locked

appropriate name in the General tab. You can set display details like font, text color, Borders and Colors etc. in the Appearance tab. Click 'Close'.

Note:

In case IntegriSign signature capture window is not displayed automatically in Acrobat/Reader 10.0, click 'Preferences' in the Edit menu. Select 'Security'. On the right-hand side select the button "Advanced Preferences". In the displayed window, select "Creation" tab. Set the "Default Method to Use when Signing and Encrypting Documents" to "IntegriSign for Acrobat 9.0 and later" if it is Acrobat 10.0 and "IntegriSign for Adobe Reader X" if it is Adobe Reader 10.0 as shown in the images below. Click on OK. In case IntegriSign Desktop software is not installed properly you may not see this option.

Digital Signa	tures Adv	vanced Preferences					×
Verification	Creation	Windows Integration					
Default Mr	ethod to Us e signature' easons whi ocation and	e when Signing and Encrypi Default Signature s <u>r</u> evocation status when si en signing I contact information when s	ting Document: Signing Forma gning signing	s: Int Asl Int Int	tegriSign for Acroba k when I sign egriSign for Acroba obe Default Securit egriSign For Acroba	at 9.0 and I: 💙 t 9.0 and later y at	
	Enable	Reviewing of Document W	arnings: Wh	en cert	tifying a document	~	
Prevent S	igning Until	Document Warnings Are Re	eviewed: Ne	/er		~	
Help					0	к Са	incel

Acrobat 10.0

Digital Signatures Advanced	Preferences				
Digital Signatures Advanced         Verification       Creation         Windows         Default Method to Use when Si         Include signature's revocati         Show reasons when signing         Show location and contact i         Enable Reviewin         Prevent Signing Until Document	Preferences Integration gning and Encrypting Docur Default Signature Signing Fi on status when signing Information when signing Information when signing Is of Document Warnings: Warnings Are Reviewed:	ments: ormat: When Never	IntegriSign for Adobe I Ask when I sign IntegriSign for Adobe P Adobe Default Security IntegriSign For Acrobal	Reader X 🖌	
Help			0	K C	ancel

#### Adobe Reader 10.0

When IntegriSign Desktop is properly installed, in the "Default Method to Use when Signing and Encrypting Documents" drop down list, you will also see "IntegriSign for Acrobat" option. The purpose of this handler is to validate signatures signed using earlier versions of Acrobat. For signing in Acrobat/Reader 9.0 and Acrobat 10.0, use only "IntegriSign for Acrobat 9.0 and later". For signing in Reader 10.0, use the "IntegriSign for Adobe Reader X".

In the "Verification" tab, make sure that the option "Use the document-specified method. Prompt if it is not available." is checked. This is the default option, if it was not manually modified by the user.

In Acrobat/Reader 10.0, Signatures signed using IntegriSign can be verified using Acrobat's standard handler (i.e. "Adobe Default Security") in the absence of any IntegriSign software.

#### 2.5 Signing in Adobe Reader 10.0

In Adobe Reader 10.0, by default, the "Enable Protected Mode at Startup" option under "Edit -> Preferences -> General -> Application Startup" would be in enabled mode. See the screenshot below.

references		X
Categories:	Basic Tools	
Commenting	Use single-key accelerators to access tools	
Documents	Create links from URLs	
Full Screen	Make Hand tool collect text 9, images	
General		
Page Display	Make Hand tool read articles	
3D & Multimedia Accessibility Forms Identity	Make Hand tool use mouse-wheel zooming Make Select tool select images before text Use fixed resolution for Snapshot tool images:	
International	Whening	
Internet	warnings	
JavaScript	Do not show edit warnings	
Measuring (2D) Measuring (3D) Measuring (Geo) Multimedia (legacy) Online Services Reading Search Security Security Security (Enhanced) Spelling Tracker Trusk Manager Units	Messages from Adobe         Image: Show me messages when I launch Reader         Image: Don't show messages while viewing a document         Application Startup         Image: Show splash screen         Image: Use only certified plug-ins         Currently in Certified Mode:	
Updater		
	OK	

When one tries to sign a signature when this setting is on, after clicking on the "OK" button in the Signature Capture window or on the signature capture device, one would be prompted with the "SaveAs" screen. Once the document is saved, the signature is applied to the document. If "Enable Protected Mode at startup" is disabled (i.e. unchecked), the signature gets applied to the PDF document without the "SaveAs" prompt and the document gets saved.

# 2.6 Creating a Signature in Adobe Acrobat 11.0

Signing in Adobe Acrobat Professional 11.0 can be accomplished in the following ways.

# Method I

- 1. Open the PDF document to be signed.
- 2. Click on the "Tools" button and then click on "Sign & Certify" pane item in the Tools task pane.
- 3. Click 'Place Signature' or 'Sign Document' and then using mouse, click and drag to draw the area where you would like the signature to appear on your document.
- 4. Start signing in the displayed signature window.

# Method II

# Placing an Empty Signature field

- 1. Open the PDF document to be signed.
- 2. Click on "Edit" button under "Forms" menu in the Tools task pane.
- 3. If the opened PDF does not contain any prior form fields, one will receive a message saying "Currently there are no form fields in this PDF. Do you want Acrobat to detect form fields for you?" Click on "Yes" button. One will receive a message that "No new form field annotations were detected" and click on "OK" button. Design mode of the PDF gets enabled. If the PDF contains form fields previously, one will not receive any messages and are directly taken to the design mode.
- 4. In the design mode, either click on the "Forms -> Tasks -> Add New Field" and then select "Digital Signature" or click on "Add a digital signature" button in the toolbar as shown in the image below.

Distriction for MS Excel.pdf - Adobe Acrobat Pro	
File Edit View Window Help	
Create 🗸 🛛 🎦 🖨 🕅 ፲፲ 🔽 💿 📰 🐨 📧 🖾 🔤 Keep tool selected	
I / 7       I     / 7     Image: Additional state of the sta	
0, , , , , , , , , , , , , , , , , , ,	. 1

5. Using mouse, click and drag to draw the area where you would like the signature to appear on your document. Right click on the newly inserted signature field and then select "Properties...".

6. The Digital Signature Properties window is now displayed. Enter an appropriate name in the General tab. You can set display details like font, text color, Borders and Colors etc. in the Appearance tab. Click 'Close'.

Digital Signature Properties	×
General Appearance Actions Signed	
Name Signature1	
Tooltip	
Common Properties	
Eorm Field: Visible	□ <u>R</u> ead Only
Orientation: 0 💌 degrees	🗖 Require <u>d</u>
□ Locked	Close

Note:

In case IntegriSign signature capture window is not displayed automatically in Acrobat/Reader 11.0, click 'Preferences' in the Edit menu. Select 'Signatures'. On the right-hand side click the "More" button in "Create & Appearance" section. In the displayed window, set the "Default Signing Method" to "IntegriSign for Acrobat 9.0 and later" if it is Acrobat 11.0 and "IntegriSign for Adobe Reader XI and later" if it is Adobe Reader 11.0 as shown in the images below. Click on OK. In case IntegriSign Desktop software is not installed properly you may not see this option.

	e Preferences	
eation		
efault Signing Method:	IntegriSign for Acrobat 9.0 and I	
efault Signing Formati	Ask when I sign	
eradic bigning i onnac.	IntegriSign for Acrobat 9.0 and later	
Vhen Signing:	Adobe Derault Security	
Show reasons		
Show location and	d contact information	
Include signature	's revocation status	
View documents i	n Preview Mode	
nable Review of Docume	ent Warnings: When certifying a document	~
revent Signing Until War	nings Are Reviewed: Never	`
revent Signing Until War		
revent Signing Until War		ew
revent Signing Until War		w
revent Signing Until War		ew
revent Signing Until War		w
revent Signing Until War		w
revent Signing Until War		w lit vlicate
revent Signing Until War		w lit licate
pearances		w

Acrobat 11.0

Creation and Appearance P	references				
Creation					
Default Signing Method:	IntegriSign fo	or Adobe	e Reader X. 🔽		
Default Signing Format:	Ask when I sig IntegriSign fo	gn r Adobe	Reader XI and la	ater	
When Signing:	Adobe Defaur IntegriSign Fo	t Securit or Acroba	ty at		
Show reasons					
Show location and	l contact inforn	nation			
🗹 Include signature's	s <u>r</u> evocation sta	atus			
Vie <u>w</u> documents i	n Preview Mod	е			
Enable Review of Docume	ent Warnings:	When	certifying a docu	ument 🔽	
Prevent Signing Until War	nings Are Revie	ewed:	Never		~
Appearances					
			New		
			Edit.		
			Duplic	ate	
			Dele	te	
Help				OK	Cancel

#### Adobe Reader 11.0

When IntegriSign Desktop is properly installed, in the "Default Signing Method" drop down list, you will also see "IntegriSign for Acrobat" option. The purpose of this handler is to validate signatures signed using earlier versions of Acrobat. For signing in Acrobat/Reader 9.0, Acrobat 10.0 and Acrobat 11.0, use only "IntegriSign for Acrobat 9.0 and later". For signing in Reader 11.0, use the "IntegriSign for Adobe Reader XI and later".

In the "Verification" screen (that can be viewed using Edit -> Preferences -> Signatures -> Verification -> More), make sure that the option "Use the document-specified method. Prompt if it is not available." is checked under "Verification behavior". This is the default option, if it was not manually modified by the user. See the screenshot below for reference.

Signature Verification Preferences	×
Verify signatures when the document is opened	
U When document has valid but untrusted signatures, prompt to review and trust signers	
Verification Behavior	-
When Verifying:	
$\bigcirc$ Use the document-specified method; if unavailable, use default method	
◯ Always use the default method: Integri5ign for Acrobat 9.0 and I. ✓	
Require certificate revocation checking to succeed whenever possible during signature verification	
Ignore document validation information	
Verification Time	
Verify Signatures Using:	
◯ <u>S</u> ecure time (timestamp) embedded in the signature	
O <u>C</u> urrent time	
Use expired timestamps	
<ul> <li>Verification Information</li> </ul>	-
Automatically add verification information when saving signed PDF:	
Ask when verification information is too big	
Always	
O Never	
Windows Integration	-
During verification, search the Windows Certificate Store for certificates other than yours	
Trust ALL root certificates in the Windows Certificate Store for:	
Validating Signatures	
Validating Certified Documents	
Selecting either of these options may result in arbitrary material being treated as trusted content. Take care before enabling these features.	
Help OK Cancel	כ

In Acrobat/Reader 11.0, Signatures signed using IntegriSign can be verified using Acrobat's standard handler (i.e. "Adobe Default Security") in the absence of any IntegriSign software.

#### 2.7 Signing in Adobe Reader 11

In Adobe Reader 11.0, by default, the "Enable Protected Mode at Startup" option under "Edit -> Preferences -> Security (Enhanced) -> Sandbox Protections" would be in enabled mode. See the screenshot below.

eferences	
lategories:	Sandbox Protections
Commenting Documents Full Screen General Page Display	Image: Second start       Image: Second start<
3D & Multimedia Accessibility Adobe Online Services Email Accounts	Enhanced Security           Enable Enhanced Security         Cross domain log file         View
Forms Identity Internet JavaScript Language Measuring (2D) Measuring (3D) Measuring (Geo) Multimedia (legacy) Multimedia Trust (legacy) Multimedia Trust (legacy) Multimedia Trust (legacy) Reading Reading Reviewing Search Security Security (Enhanced) Signatures Spelling Tracker Trust Manager Units	Privileged Locations         If your workflows are negatively impacted by security settings, use Privileged Locations to selectively trust files, folders, and hosts to bypass those security setting restrictions. Privileged Locations allows you to work securely while granting trust to items in your workflow.         □ Automatically trust documents with valid certification         ☑ Automatically trust sites from my Win OS gecurity zones         View Windows Trusted Sites
	Add File     Add Folder Path     Add Host

When one tries to sign a signature when this setting is on, after clicking on the "OK" button in the Signature Capture window or on the signature capture device, one would be prompted with the "SaveAs" screen. Once the document is saved, the signature is applied to the document. If "Enable Protected Mode at startup" is disabled (i.e. unchecked), the signature gets applied to the PDF document without the "SaveAs" prompt and the document gets saved.

# 2.8 Creating a Signature in Adobe Acrobat DC

Signing in Adobe Acrobat Professional DC can be accomplished in the following ways.

# Method I

- 1. Open the PDF document to be signed.
- 2. Click on the "Tools" tab, click on "Certificates" and then click on the "Digitally Sign" (in the top toolbar).



- 3. Click and drag to draw the area where you would like the signature to appear on your document.
- 4. Start signing in the displayed signature window.

# Method II

# Placing an Empty Signature field

- 1. Click "Tools" and then "Prepare Form", and select the document you wish to sign.
- 2. Near the top of the window, click the "Add a digital signature" button.



- 3. Click and drag a signature box to the desired size and position with your mouse. After doing so, name the signature, check if it needs to be a "Required field", and exit out of the signature box by clicking anywhere on the PDF.
- 4. Click the "X" in the "Prepare Form" menu to exit out of the "Prepare Form" mode.

PDFSampleSigningDocument.pdf - Adobe Acrobat Pro DC	- 🗆 🗙
<u> Eile E</u> dit <u>V</u> iew <u>W</u> indow <u>H</u> elp	
Home Tools PDFSampleSigning ×	? 📱 Sign In
Ê � ₴ ⊠ Q ⑦ ⊕ 1/1 Ø ∠ ▷ ₽ ₽ ⊑ ⊑	
Prepare Form ▼         ▶         II         ✓         ●         III         III         ✓         IIII         ✓         IIIII         ✓         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Preview
that governments long established should not be changed for light and transient causes; and accordingly all experience hath shown that mankind are more disposed to suffer, while evils are sufferable, than to right themselves by abolishing the forms to which they are accustomed. But when a long train of abuses and usurpations, pursuing invariably the same object evinces a design to reduce them under absolute despotism, it is their right, it is their duty, to throw off such government, and to provide new guards for their future securitySuch has been the patient sufferance of these colonies; and such is now the necessity which constrains them to alter their former systems of government. The history of the present King of Great Britain is a history of repeated injuries and usurpations, all having in direct object the establishment of an absolute tyranny over these states. To prove this, let facts be submitted to a candid world. We, therefore, the representatives of the United States of America, in General Congress, assembled, appealing to the Supreme Judge of the world for the rectitude of our intentions, do, in the name, and by the authority of the good people of these colonies, solemuly publish and declare, that these united colonies are, and of right ought to be totally dissolved; and that a free and independent states, they have full power to levy war, conclude peace, contract alliances, establish commerce, and to do all other acts and thing swhich independent states may of right do. And for the support of this declaration, with a firm reliance on the protection of Divine Providence, we mutually pledge to each other our lives, our fortunes and our sacred honor.	ALIGN CENTER ALIGN CENTER ALIGN CENTER ALIGN CENTER MATCH SIZE DISTRIBUTE I I I I I I I I I I More • FIELDS =• 2 •
▶	Distribute Track

#### Note:

In case IntegriSign signature capture window is not displayed automatically in Acrobat/Reader DC, click 'Preferences' in the Edit menu. Select 'Signatures'. On the right-hand side click the "More" button in "Create & Appearance" section. In the displayed window, set the "Default Signing Method" to "IntegriSign for Acrobat 9.0 and later" if it is Adobe Acrobat DC and "IntegriSign for Adobe Reader XI and later" if it is Adobe Reader DC as shown in the images below. Click on OK. In case IntegriSign Desktop software is not installed properly you may not see this option.

Creat	ion and App	bearan	ce Prefe	erences		×
Creation						
Default Signing Method:	Ask when I s	ign		<b>v</b>		
Default Signing Format:	Ask when I si IntegriSign fo	gn or Acrob	at 9.0 and	later		
When Signing:	Adobe Defau IntegriSign F	or Acrol	ity bat			
Show reasons	contact infor	mation				
✓ Include signature's	revocation st	atus				
Vie <u>w</u> documents in	n Preview Mod	le				
Enable Review of Docume	nt Warnings:	When	certifying	g a document	~	
Prevent Signing Until War	nings Are Revi	ewed:	Never		~	
Appearances						
				N		
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				Edit		
				Duplicate		
				Delete		
Help				ОК	Cance	I

Adobe Acrobat DC

Creation and Appearance Prefe	rences
Creation	
Default Signing Method:	IntegriSign for Adobe Reader > 👻
Default Signing Format:	Ask when I sign IntegriSign for Adobe Reader XI and later
When Signing:	Topaz.GemSignPlus Adobe Default Security
Show reasons	IntegriSign For Acrobat
Show location and	d contact information
📝 Include signature'	s <u>r</u> evocation status
Vie <u>w</u> documents i	n Preview Mode
Enable Review of Docume	ent Warnings: When certifying a document 💌
Prevent Signing Until War	nings Are Reviewed: Never
Appearances	
	<u>N</u> ew
	Edit
	Duplicate
	Delete
Help	OK Cancel

# Adobe Reader DC

When IntegriSign Desktop is properly installed, in the "Default Signing Method" drop down list, you will also see "IntegriSign for Acrobat" option. The purpose of this handler is to validate signatures signed using earlier versions of Acrobat. For signing in Acrobat/Reader 9.0, Acrobat 10.0, Acrobat 11.0 and Acrobat DC, use only "IntegriSign for Acrobat 9.0 and later". For signing in Reader DC, use the "IntegriSign for Adobe Reader XI and later".

In the "Verification" screen (that can be viewed using Edit -> Preferences -> Signatures -> Verification -> More), make sure that the option "Use the document-specified method. Prompt if it is not available." is checked under "Verification behavior". This is the default option, if it was not manually modified by the user. See the screenshot below for reference.

Signature Veri	fication Preferences
<ul> <li>✓ Yerify signatures when the document is opened</li> <li>When document has valid but untrusted signatures, prom</li> <li>Verification Behavior</li> <li>When Verifying:</li> <li> <ul> <li>Use the document-specified method; prompt if the document-specified method; if unavailated</li> <li>O Use the document-specified method; if unavailated</li> <li>Always use the default method:</li> <li>Adobe Default method:</li> <li>✓ Require certificate revocation checking to succeed with</li> <li>✓ Use expired timestamps</li> </ul> </li> </ul>	npt to review and trust signers unavailable ble, use default method efault Security
Ignore document validation information	
Verification Time Verify Signatures Using: ① <u>T</u> ime at which the signature was created ② <u>Secure time (timestamp) embedded</u> in the signature ② <u>C</u> urrent time Windows Integration	Verification Information Automatically add verification information when saving signed PDF: <ul> <li>Ask when verification information is too big</li> <li>Always</li> <li>Never</li> </ul>
Trust ALL root certificates in the Windows Certificate Sto Validating Signatures Validating Certified Documents Selecting either of these options may result in arbitr Take care before enabling these features.	ary material being treated as trusted content.

In Acrobat/Reader DC, Signatures signed using IntegriSign can be verified using Acrobat's standard handler (i.e. "Adobe Default Security") in the absence of any IntegriSign software.

#### 2.9 Signing in Adobe Reader DC

In Adobe Reader DC, by default, the "Enable Protected Mode at Startup" option under "Edit -> Preferences -> Security (Enhanced) -> Sandbox Protections" would be in enabled mode. See the screenshot below.

references	
Categories:	Sandbox Protections
Commenting Documents	Enable Protected Mode at startup     Create Protected Mode log file     View log
Full Screen	Protected View   Off
General	<ul> <li>—</li> <li>—</li></ul>
Page Display	<ul> <li>All files</li> </ul>
3D & Multimedia	Enhanced Security
Accessibility Adobe Opline Services	
Email Accounts	Enable Enhanced Security     Cross domain log file     View
Forms	Privileged Locations
Internet	If your workflows are negatively impacted by security settings, use Privileged Locations to
lavaScrint	selectively trust files, folders, and hosts to bypass those security setting restrictions.
Language	Privileged Locations allows you to work securely while granting trust to items in your
Measuring (2D)	workflow.
Measuring (3D)	Automatically trust documents with valid certification
Measuring (Geo)	
Multimedia (legacy)	Automatically trust sites from my Win OS security zones View Windows Trusted Sites
Multimedia Trust (legacy)	
Reading	
Reviewing	
Search	
Security	
Signatures	
Spelling	
Tracker	
Trust Manager	
Units	
	Add File         Add Folder Path         Add Host         Remove
	What is Protected View? What is Enhanced Security? What are Privileged Locations?
	OK Cancel

When one tries to sign a signature when this setting is on, after clicking on the "OK" button in the Signature Capture window or on the signature capture device, one would be prompted with the "SaveAs" screen. Once the document is saved, the signature is applied to the document. If "Enable Protected Mode at startup" is disabled (i.e. unchecked), the signature gets applied to the PDF document without the "SaveAs" prompt and the document gets saved.

#### 2.10 Document Verification

Go to the toolbar and select the Hand tool. Right click on the signature in the document.

1. Acrobat 8.0, Acrobat 9.0, Acrobat 10.0, Acrobat 11.0 and Acrobat DC display a window with the following options

*Clear Signature Field:* Clears the signature field.

*Validate Signature:* IntegriSign for Acrobat checks to see if the document and the signature have been altered after signing.



#### View Signed Version: IntegriSign for

Acrobat displays a window that shows the version of the file that is present at the time of signing.

*Compare Signed Version to Current Document:* If a document is signed more than once, IntegriSign for Acrobat maintains all of the signed versions in a single Adobe PDF file. The earlier versions can be compared with the current document with this option.

*Properties:* Clicking on this option shows a Window with the Sign Info showing the Image of the signature, ePad device information and the signer info.

#### 2.11 Opening an signed document

In order to check document integrity, click on the 'key' icon on Adobe's bottom task bar and select the "Show Signatures" option or go to Window  $\rightarrow$  Show Signatures. All the signatures in the document are displayed on the signature palette with a plus sign next to each signature. Clicking on the plus sign expands to show the properties of each signature. If the document was modified after signing, then the signature on the palette is shown as invalidated with a red triangle mark next to the signature

# 2.12 Setting Affirmation Text to ePad LCD devices

IntegriSign Acrobat plug-in lets the user to configure the affirmation text that is to be displayed on the ePad LCD device above the signature capture screen. The text is displayed on the device up to maximum of 5 lines. There are two options to accomplish this.

#### **Option 1:** ToolTip text

Acrobat allows setting the Tooltip text (in case of Acrobat 8.0 or later) to any of the Acrobat form fields. IntegriSign Acrobat Plug-In leverages these properties to set the text to be displayed above the signature capture area on the ePad LCD devices. To set the

Tooltip text, click on the Object tool icon on the toolbar to edit the signature field properties. Then right click on the signature field and then select Properties. In the displayed dialog, navigate to General tab and then enter the ToolTip text. Click OK to save these settings. Then click on the Hand Tool to come out of the field editing mode.

Name	Applicant Sign	ature		
Tooltip	I Agree to the	specified terms and	l conditions	
Comr	non Properties —			1
Eor	m Field: Visibl	e	Read	Only
Orio	ntation:		🗖 Requir	ed

**Option 2:** Smart Field inside the PDF document.

Create a hidden filed inside the PDF with the name 'ePadInkDesc' and assign the text to be displayed as affirmation text on the device as value of this field. During the act of signing the Plug-In looks for this field in the document, if found the same is displayed as affirmation text on the device. The text can contain a new line character '\n' to wrap the text into multiple lines. If no \n is supplied then the software wraps the text into lines if the text cannot be fit into one line.

If both the options are used, then the smart filed approach has preference and the text set to the hidden field will be set as affirmation text.

#### 2.13 Troubleshooting

#### Adobe Acrobat:

If the IntegriSign signature is not listed in the Digital Signature Handler's list of the Digital signature tool, then check for IntegriSign7.api (in case of Acrobat 8.0) and IntegriSign9.api (in case of Acrobat 9.0, 10.0, 11.0 and DC) in the plug-ins folder of Adobe (typically "C:\Program Files\Adobe\Adobe Acrobat

 $x.0\Acrobat\Plug_ins"$ ). If not present, copy the appropriate file from the IntegriSign installation folder to the plug-ins folder and restart Adobe Acrobat.

# Adobe Reader:

If the IntegriSign signature is not listed in the Digital Signature Handler's list of the Digital signature tool, then check for IntegriSign7.api in case of Adobe Reader 8.0), IntegriSign9.api in case of Adobe Reader 9.0, IntegriSignR10.api in case of Adobe Reader 10.0 and IntegriSignR11.api in case of Adobe Reader 11.0 and Adobe Reader DC in the plug-ins folder of Adobe Reader (typically "C:\Program Files\Adobe\Adobe Reader x.0\Reader\Plug\_ins"). If not present, copy the appropriate file from the IntegriSign installation folder to the plug-ins folder and restart Adobe Reader.

2. Sometimes, in Acrobat 10.0/Reader 10.0, the signature looks like a dotted signature as shown below.



This happens if the "Use 2D graphics acceleration" option under "Edit -> Preferences->Page Display" is checked. IntegriSign Desktop installation during the installation itself turns off this setting. If this setting is enabled again after IntegriSign Desktop is installed, one would see this issue. Turning off this setting would display the signature correctly.