How to check if a signed document is valid

There are a number of features that indicate that a document is certified by the University of Amsterdam.

1. When viewing the document in Adobe Reader, there is a blue ribbon stating 'At least one signature is invalid'. Although this might be true, in most cases it is valid. The reason is that at this moment we are using an older version of the document signing but we are in the process of upgrading.



2. The blue ribbon has a button on the right to open the signature panel.



3. At the bottom of the last page is a signature field.



- 4. Open the certificate page either by clicking the button in de blue ribbon or by clicking the certificate name at the last page of the document.
 - a. If opened via the Signature Panel button, expand the tree on the left.

Signatures	•• •
8∃▼ Valid	ate All
🖻 🌠 Rev. 1: Signed by pdf.sis.uva.nl	
Signature is invalid:	
Document has not been modified since this signature was applied	
Signer's certificate is invalid	
Signing time is from the clock on the signer's computer.	
Signature Details	
Reason:	
Certificate Details	
Last Checked: 2020.11.03 12:00:19 +01'00'	
Field: Signature1 on page 2	
Click to view this version	

The third line should read 'Document has not been modified since this signature was applied'. This means no alterations have been made to the content of the document by any means, like altering grades with pdf writeable software or manipulating the binary code of the pdf.

Now click on 'Certificate Details...' to access the Signature detail popup as shown in step 5.

b. If opened by clicking the certificate on the last page, some additional popups will open.

Signatur	e Validation Status
4	Signature is INVALID. - The Document has not been modified since this signature was applied. - The signer's identity is invalid.
	Signature Properties Close

The second line should read '- The Document has not been modified since this signature was applied'. This means no alterations have been made to the content of the document by any means, like altering grades with pdf writeable software or manipulating the binary code of the pdf.

Click on the button 'Signature Properties...', this opens an new pop-up.

Signatur	e Properties	Х
4	Signature is INVALID. Signing Time: 2020/08/10 16:18:01 +02'00' Reason:	
Validi	ity Summary	
	The Document has not been modified since this signature was applied.	
	The certifier has specified that Form Fill-in, Signing and Commenting are allowed for this document. No other changes are permitted.	
	The signer's identity is invalid.	
	Signing time is from the clock on the signer's computer.	
	Signature was validated as of the signing time: 2020/08/10 16:18:01 +02'00'	
Signe	er Info	
	There were errors building the path from the signer's certificate to an issuer certificate.	
	Revocation checking was not performed.	
	Show Signer's Certificate	
Adv	anced Properties Validate Signature Close	

Click on the button 'Show Signer's Certificate...', this opens another pop-up.

5. The data in this pop-up should match the screenshot below, although the 'Valid from' and 'Valid to' date can change in newer versions of the transcript.

The date of the signing time of the document should be within the valid range of the certificate.

Certificate Viewer	×
This dialog allows you to view the details of a certificate and its entire issuance chain. The details correspond to the selected entry.	•
Show all certification paths found	
✓ Show all certification USERTrust RSA Certification GEANT OV RSA CA 4 pdf.sis.uva.nl Universiteit van Amsterdam Universiteit van Amsterdam Issued by: GEANT OV RSA CA 4 GEANT Vereniging Valid from: 2020/05/20 01:00:00 + 01'00' Valid to: 2022/05/21 00:59:59 + 01'00' Intended usage: Digital Signature, Encrypt Keys, Server Authentication, Client Authentication Client Authentication Export	
The path validation checks were done as of the signing time: 2020/11/03 11:01:20 +01'00' Validation Model: Shell	
OK]

6. The certificate tree should consist of three certificates:

USERTrust RSA Certification A	Summary	Details	Revocation	Trust	Policies	Legal Notice	
GEANT OV RSA CA 4	Ū		USERTrust F	RSA Certi RUST Net	fication Au work	uthority	
	ls	sued by:	USERTrust F	RSA Certi	fication Au	uthority	
			The USERTI	RUST Net	work		
	Va	lid from:	2010/02/01	01:00:00	+01'00'		
		Valid to:	2038/01/19	00:59:59	+01'00'		
	Intende	ed usage:	Sign CRL, S	õign Cert	ificate (CA)	

USERTrust RSA Certification A	Summary Details	Revocation Trust Policies Legal Notice
GEANT OV RSA CA 4	Ī	GEANT OV RSA CA 4
		GEANT Vereniging
	Issued by:	USERTrust RSA Certification Authority
		The USERTRUST Network
	Valid from:	2020/02/18 01:00:00 +01'00'
	Valid to:	2033/05/02 00:59:59 +01'00'
	Intended usage:	Digital Signature, Sign CRL, Sign Certificate (CA), Server Authentication, Client Authentication
USERTrust RSA Certification A GEANT OV RSA CA 4	Summary Details	Revocation Trust Policies Legal Notice
🛕 pdf.sis.uva.nl	-	pdf.sis.uva.nl
	_	Universiteit van Amsterdam
	Issued by:	GEANT OV RSA CA 4
		GEANT Vereniging
	Valid from:	2020/05/20 01:00:00 +01'00'
	Valid to:	2022/05/21 00:59:59 + 01'00'
	Intended usage:	Digital Signature, Encrypt Keys, Server Authentication, Client Authentication

The data should match the screenshots above, although the 'Valid from' and 'Valid to' date can change in newer versions of the transcript.

7. The Trust tab of the pdf.sis.uva.nl line should look like this:

USERTrust RSA Certificatic	Summary Details Revocation Trust Policies Legal Notice					
△ pdf.sis.uva.nl	Source of Trust obtained from Adobe Approved Trust List (AATL).					
	Trust Settings					
	This certificate is trusted to:					
	Sign documents or data					
	Certify documents					
	Execute dynamic content that is embedded in a certified document					
	Execute high privilege JavaScripts that are embedded in a certified document					
	Perform privileged system operations (networking, printing, file access, etc.)					
	Add to Trusted Certificates					
< >						
On the Details tab of the	pdf.sis.uva.nl line the following data should match:					
Subject	cn=pdf.sis.uva.nl ou=Administratief Centrum					
	street=Spui 21					
	I=Amsterdam					
	postalCode=1012WX					
	c=NL					
Serial number	00 96 C9 F7 AC BB 28 44 5D 0D 05 A3 29 1B C0 40 03					
Issuer	cn=GEANT OV RSA CA 4					
	O=GEANT Vereniging					