



***Verification of PKI based PDF e-
invoices certified by the services of
Unifiedpost Kft.***



unifiedpost
GROUP

No.1 in e-invoicing



1. Purpose of the document

The document describes the handling, interpretation and verification of the certification of PKI based PDF e-invoices made by the services of Unifiedpost Kft.

2. Legal background

About the legal regulation of electronic invoices, see the following information.

- [Act CXXVII of 2007 on Value Added Tax Section 175 - Rules Relating to Invoices Issued by Electronic Means](#)
- [Ministry of Finance Decree 46/2007 \(XII.29.\) on Rules of Electronic Invoices](#)
- [Decree of the Minister of Economy no. 114/2007. \(XII. 29.\) on the rules of electronic archiving](#)

3. Prerequisites

3.1. Adobe Reader

To open a PDF document and verify the validation, you need the free Adobe Reader application. If it is not installed on your computer, you can download it from http://www.adobe.com/go/EN_UK-H-GET-READER by selecting the appropriate operating system and version. After you have successfully installed the application you can move forward.

3.2. Service provider certificates

In order to verify the digital signature and time stamp you need to set the service provider of the signature and time stamp trusted.




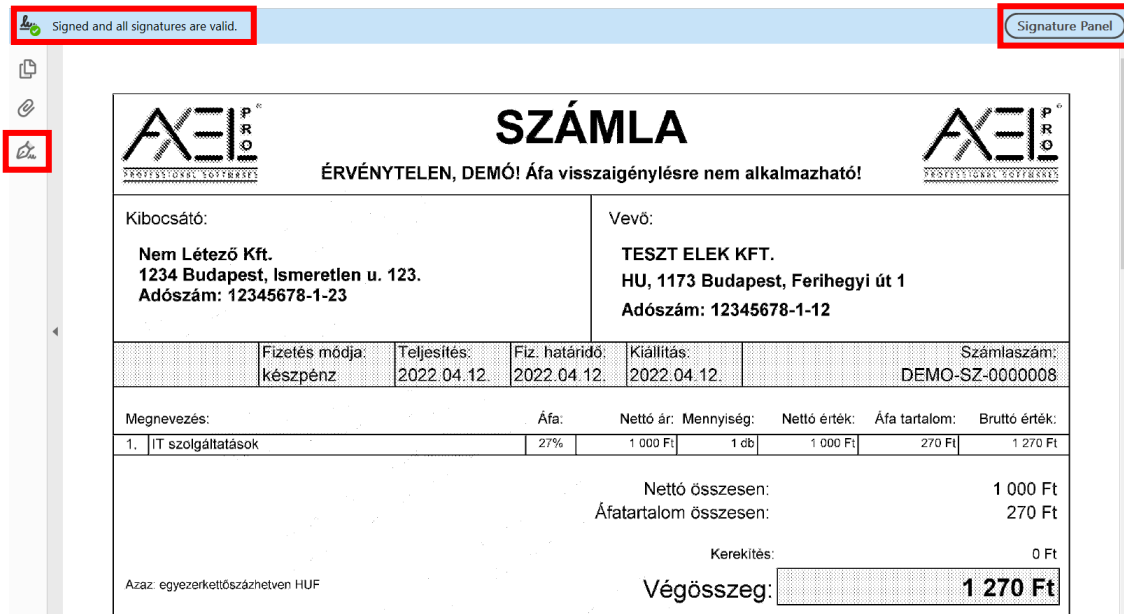
4. Installing service provider certificate

If this is the first time you get the e-invoice from your business partner through our service, then you may do these steps once, in order to verify the certificate.

a. Open the received e-invoice with Adobe Reader.

After opening the document not the "Signed and all signatures are valid." can be read in the header section of the document, then the the steps below need to follow to install the certificate. If the invoice is not displayed in the layout below, please select the "Signature

Panel" in the top right corner or the icon framed with red in the top left corner. 



Signed and all signatures are valid. Signature Panel

AEI P R O
PROFESSIÓKALTAGTÁRSÁG

SZÁMLA

ÉRVÉNYTELEN, DEMÓ! Áfa visszaigénylésre nem alkalmazható!

AEI P R O
PROFESSIÓKALTAGTÁRSÁG

Kibocsátó:
Nem Létező Kft.
1234 Budapest, Ismeretlen u. 123.
Adószám: 12345678-1-23

Vevő:
TESZT ELEK KFT.
HU, 1173 Budapest, Ferihegyi út 1
Adószám: 12345678-1-12

Fizetés módja:	Teljesítés:	Fiz. határidő:	Kiállítás:	Számlaszám:
készpénz	2022.04.12.	2022.04.12.	2022.04.12.	DEMO-SZ-0000008

Megnevezés:	Áfa:	Nettó ár:	Mennyiség:	Nettó érték:	Áfa tartalom:	Bruttó érték:
1. IT szolgáltatások	27%	1 000 Ft	1 db	1 000 Ft	270 Ft	1 270 Ft

Nettó összesen: 1 000 Ft
Áfataralom összesen: 270 Ft
Kerekítés: 0 Ft

Azaz: egyezerkettőszázhetven HUF

Végösszeg: **1 270 Ft**



b. Right click on the signature and choose the “Show Signature Properties...” option

Signed and all signatures are valid. Signature Panel

Signatures

Validate All

Rev. 1: Signed by Unifiedpost Kft. - hu.s...
Signature is valid:
Source of Trust obtained from European C...
Document has not been modified since...
Signer's identity is valid
The signature includes an embedded t...
Signature is not LTV enabled and will expire after 2025/03/31 16:05:41 +02T...

Validate Signature
View Signed Version
Add Verification Information
Show Signature Properties...

Signature Details
Last Checked: 2022.04.12 13:24:25 +02'00'
Field: Signature1 (invisible signature)
[Click to view this version](#)

AEI SZÁMLA **AEI**
ÉRVENYTELEN, DEMÓ! Áfa visszaigénylésre nem alkalmazható!

Gébcsofátó: Nem Létező Kft.
1234 Budapest, Ismeretlen u. 123.
Adószám: 12345678-1-23

Vevő: TESZT ELEK KFT.
HU, 1173 Budapest, Ferihegyi út 1
Adószám: 12345678-1-12

Fizetés módja:	Teljesítés:	Fiz. határidő:	Kiállítás:	Számlaszám:
készpénz	2022.04.12.	2022.04.12.	2022.04.12.	DEMO-SZ-0000008

Megnevezés: Áfa Nettó ár: Mennyiség Nettó érték: Áfa tartalom: Bruttó érték:

1. IT szolgáltatások	27%	1 000 Ft	1 db	1 000 Ft	270 Ft	1 270 Ft
Nettó összesen:				Áfataralom összesen:		1 000 Ft 270 Ft
Kerekítés:				Végösszeg:		0 Ft 1 270 Ft


Áfa: egyeztetendőszámlázható HUF

Művelet Művelet



c. Select "Show Signer's Certificate..." button.

Signature Properties ×



Signature is VALID, signed by Unifiedpost Kft. <hu.signature@unifiedpost.com>.
Signing Time: 2022/04/12 12:14:43 +02'00'
Source of Trust obtained from European Union Trusted Lists (EUTL).
Reason: e-invoice
Location: Hungary

Validity 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 valid.
The signature includes an embedded timestamp. Timestamp time:
2022/04/12 12:15:49 +02'00'
Signature was validated as of the secure (timestamp) time:
2022/04/12 12:15:49 +02'00'

Signer Info

The path from the signer's certificate to an issuer's certificate was successfully built.
The signer's certificate is valid and has not been revoked.

Show Signer's Certificate...

Advanced Properties... Validate Signature Close



d. Select "Trust" tab.


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

Qualified e-Szigno QCP CA 2012 | Summary | Details | Revocation | **Trust** | Policies | Legal Notice

Unifiedpost Kft. <hu.signature@unifiedpost.com>


 Unifiedpost Kft. <hu.signature@unifiedpost.com>
Unifiedpost Kft.

Issued by: Qualified e-Szigno QCP CA 2012 <info@e-szigno.hu>
Microsec Ltd.

Valid from: 2022/04/01 16:05:41 +02'00'

Valid to: 2025/03/31 16:05:41 +02'00'

Intended usage: Non-Repudiation, Email Protection, Document Signing

 This certificate is Qualified according to EU Regulation 910/2014 Annex III

Export...

< >

i The selected certificate path is valid.

The path validation and revocation checks were done as of the secure (timestamp) time:
2022/04/12 12:15:49 +02'00'
Validation Model: Shell

OK



e. Select "Add to Trusted Identities..." button.

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

unified e-Szigno QCP CA 2012
Unifiedpost Kft. <hu.signature

Summary Details Revocation Trust Policies Legal Notice

Source of Trust obtained from European Union Trusted Lists (EUTL).

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...

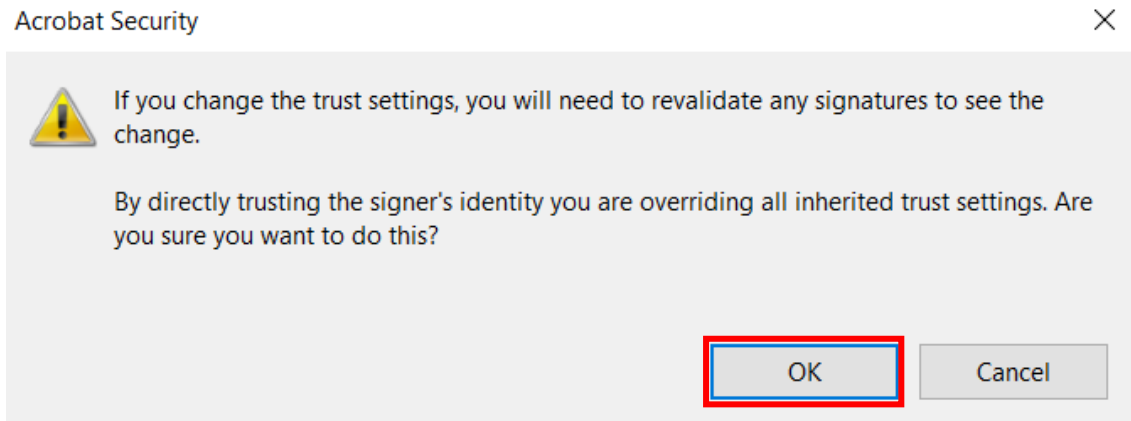
ⓘ The selected certificate path is valid.

The path validation and revocation checks were done as of the secure (timestamp) time:
2022/04/12 12:15:49 +02'00'
Validation Model: Shell

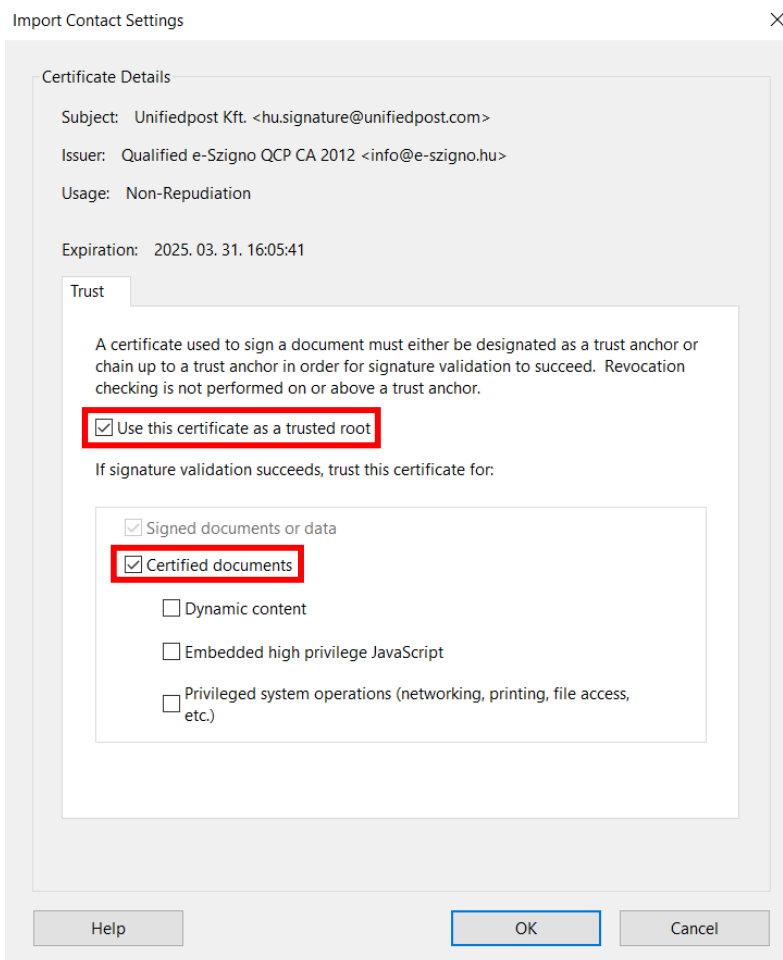
OK



f. Press the "OK" button.




Select the "Use this certificate as a trusted root" and "Certified documents" and press the "OK" button, and after returning to the previous screen press once more.





g. Select "Advanced Properties..." to add the certificate of the timestamps as trusted

Signature Properties ×

 Signature is VALID, signed by Unifiedpost Kft. <hu.signature@unifiedpost.com>.
Signing Time: 2022/04/12 12:14:43 +02'00'
Source of Trust obtained from European Union Trusted Lists (EUTL).

Reason: e-invoice
Location: Hungary

Validity 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 valid.

The signature includes an embedded timestamp. Timestamp time:
2022/04/12 12:15:49 +02'00'

Signature was validated as of the secure (timestamp) time:
2022/04/12 12:15:49 +02'00'

Signer Info

The path from the signer's certificate to an issuer's certificate was successfully built.

The signer's certificate is valid and has not been revoked.

[Show Signer's Certificate...](#)

[Advanced Properties...](#)

[Validate Signature](#)

[Close](#)



- h. Select "Show Certificate..." button.

Advanced Signature Properties

Signature Details

Signature was created using Not available.

Hash Algorithm: SHA256

Signature Algorithm: RSA with PKCS#1 v.1.5

Timestamp Details

Timestamp embedded in the signature

Timestamps are signed just as documents are signed. For a timestamp signature to be valid you must have trusted the Timestamp Authority that signed the timestamp. Click Show Certificate to view details regarding verification of the timestamp signature.

Timestamp Authority

Timestamps are created with specific policies that are defined by the Timestamp Authority. Amongst other things, a policy can indicate how reliable the time source is. The policy for this timestamp is represented by the identifier 1.3.6.1.4.1.12655.3.2. To understand timestamp policies, you must contact the Timestamp Authority.

Hash Algorithm: SHA256



i. Select "Trust" tab.

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

Utimaco qualified TSA CA1
Utimaco RSA TSU 2021:2

Summary Details Revocation **Trust** Policies Legal Notice



Utimaco RSA TSU 2021:2

Utimaco IS GmbH

Issued by: Utimaco qualified TSA CA1

Utimaco IS GmbH

Valid from: 2021/08/17 17:53:36 +02'00'

Valid to: 2026/08/17 17:53:36 +02'00'

Intended usage: Digital Signature, Non-Repudiation, TimeStamping

Export...



The selected certificate path is valid.

The path validation and revocation checks were done as of the current time:

2022/04/12 13:24:24 +02'00'

Validation Model: Shell

OK



j. Select "Add to Trusted Identities..." button.

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

Utimaco qualified TSA CA1
Utimaco RSA TSU 2021:2

Summary Details Revocation **Trust** Policies Legal Notice

Source of Trust obtained from European Union Trusted Lists (EUTL).

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...

i The selected certificate path is valid.

The path validation and revocation checks were done as of the current time:
2022/04/12 13:24:24 +02'00'
Validation Model: Shell

OK



k. Press the "OK" button.

Acrobat Security



If you change the trust settings, you will need to revalidate any signatures to see the change.

By directly trusting the signer's identity you are overriding all inherited trust settings. Are you sure you want to do this?

OK

Cancel



- I. Select the “Use this certificate as a trusted root” and “Certified documents” and press the "OK" button, and after returning to the previous screen press once more and “Close” as well.

Import Contact Settings



Certificate Details

Subject: Utimaco RSA TSU 2021:2

Issuer: Utimaco qualified TSA CA1

Usage: Digital Signature, Non-Repudiation

Expiration: 2026. 08. 17. 17:53:36

Trust

A certificate used to sign a document must either be designated as a trust anchor or chain up to a trust anchor in order for signature validation to succeed. Revocation checking is not performed on or above a trust anchor.

Use this certificate as a trusted root

If signature validation succeeds, trust this certificate for:

Signed documents or data

Certified documents

Dynamic content

Embedded high privilege JavaScript

Privileged system operations (networking, printing, file access, etc.)

Help


OK

Cancel



m. Select the "Validate Signature" button.

Signature Properties ×



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Signer Info

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The signer's certificate is valid and has not been revoked.

[Show Signer's Certificate...](#)

[Advanced Properties...](#) [Validate Signature](#) [Close](#)



5. Checking the details of the signature and time stamp

- a) For checking the details of the signature, Right click on the signature and choose the “Show signature properties...” option

Signed and all signatures are valid. Signature Panel

Signatures

Validate All

Rev. 1: Signed by Unifiedpost Kft. - hu.s...

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- Document has not been modified since...
- Signer's identity is valid
- The signature includes an embedded t...
- Signature is not LTV enabled and will expire after 2025/03/31 16:05:41 +021...

Signature Details

Last Checked: 2022.04.12 13:24:25 +02'00'

Field: Signature1 (invisible signature)

[Click to view this version](#)

Validate Signature

View Signed Version

Add Verification Information

Show Signature Properties...

SZÁMLA

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Áfataralom összesen: 270 Ft

Kerekítés: 0 Ft


Végösszeg: **1 270 Ft**

Asz.: egyeztetésbevitelben HUF



Then you will find the most important details of the signature, such as the signer, the signature time and the validity of the signature.

Signature Properties ×

 Signature is VALID, signed by Unifiedpost Kft. <hu.signature@unifiedpost.com>.

Signing Time: 2022/04/12 12:14:43 +02'00'

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