



ERA

Electronic Signature – User Documentation



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1. INTRODUCTION

1.1. General information

The ERA interface enables the creation of electronic signatures for documents previously uploaded by users or generated by the system. This requires use in a supported browser version, enabled JavaScript functions in that browser version, the availability of a valid certificate, and the appropriate installation of the JAVA runtime environment and the DesktopSign component.

Error-free operation may also be expected in browsers that are somewhat older than the supported versions listed below.

- **Microsoft IE: 11**

Lowest supported version of the JAVA runtime environment required:

- version 8, update 92

With ERA services, digital signatures can be created with the help of the Ponte web-based digital signature program (Ponte WDAP), which is an ActiveX-based, browser-integrated application.

2. DESKTOPSIGN

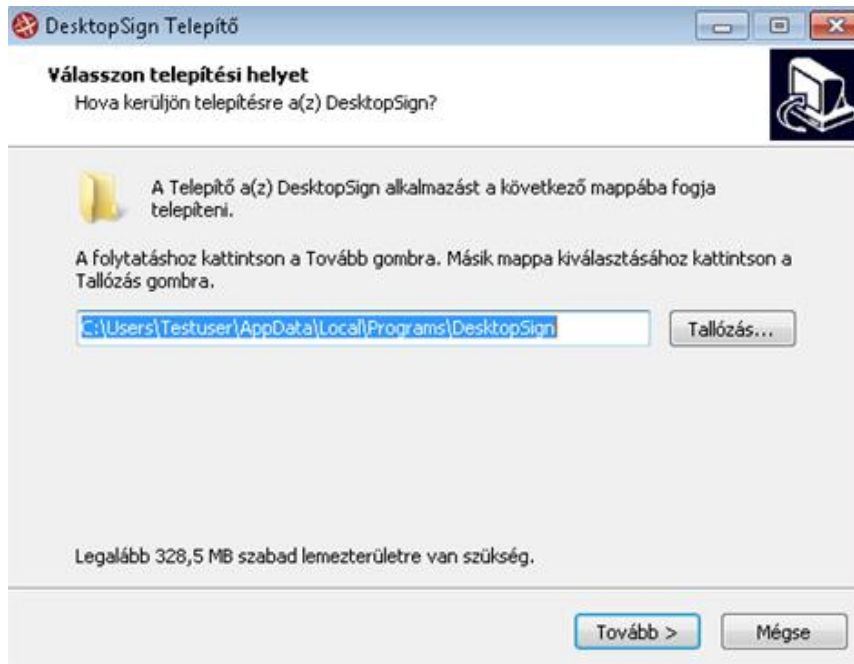
2.1. General information

Developed by NetLock, the DesktopSign application is responsible for creating electronic signatures for the documents selected by the user. Essentially, the program is a web server that communicates with the user's browser through a specific address. During installation, some of the settings are made automatically, and the rest according to manual configuration.

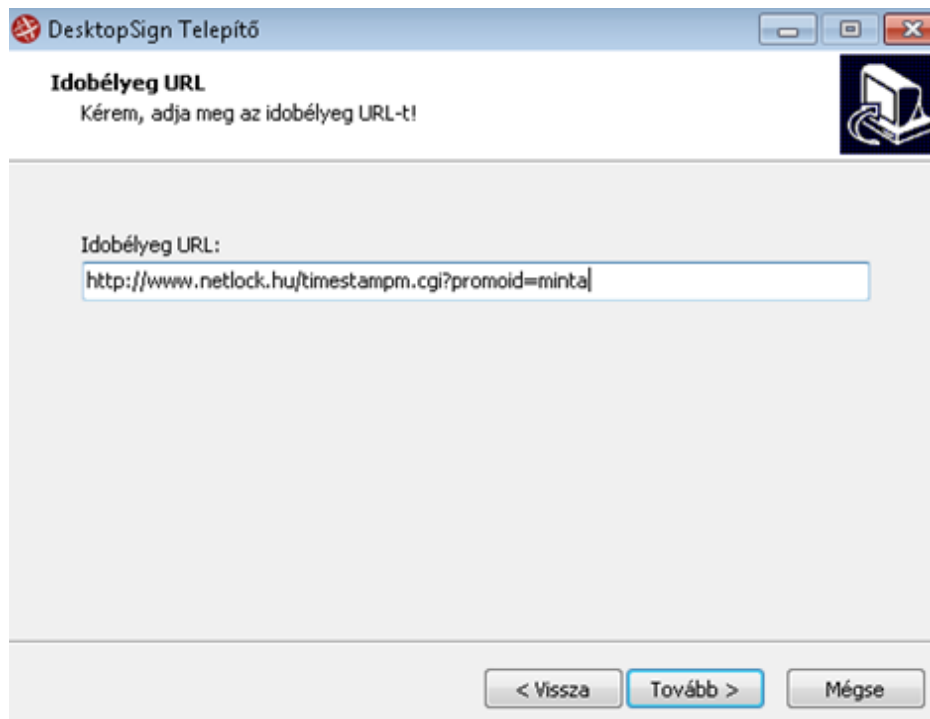
2.2. Installation

Installation is started by launching the highest version of the application, which is recommended to be run with administrator privileges. The address `client.desktopsign.com` must be added to the proxy exceptions list.

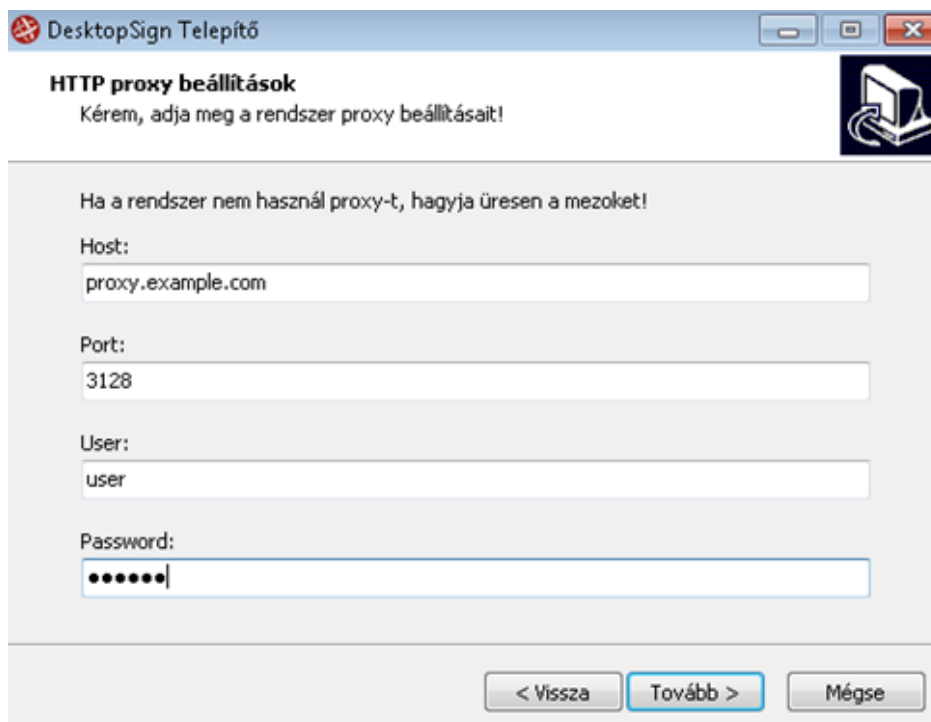
The steps are executed as detailed below.



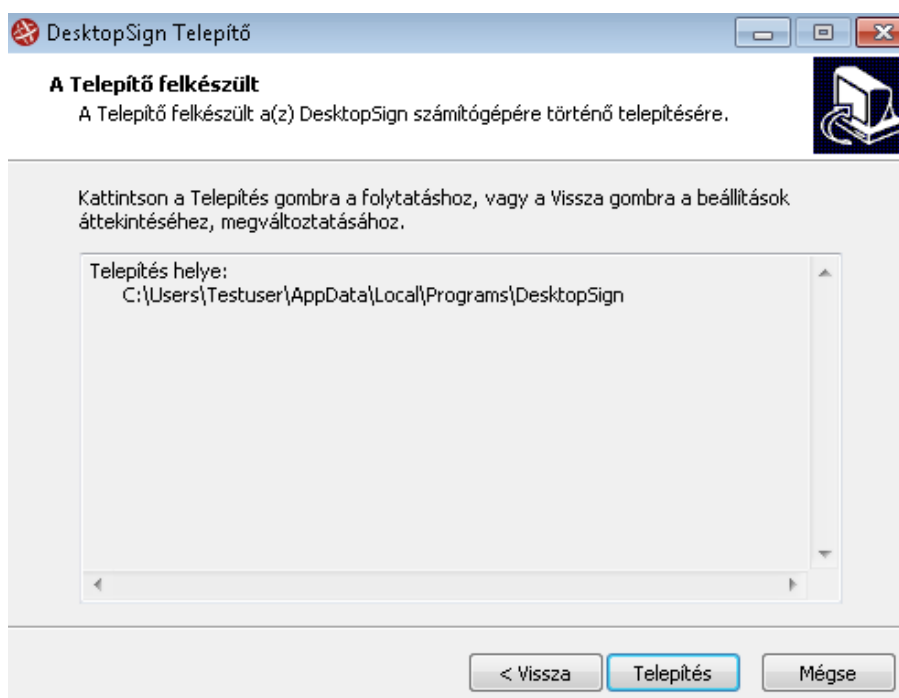
2-1: Specifying the installation folder



2-2: Setting the timestamp URL



2-3: Setting a HTTP proxy. Where the system does not use proxies, the above fields should be left blank.



2-4: Once the settings have been confirmed, installation starts.

After installation, the DesktopSign web server starts up, and is added to the group of programs launched automatically. Where necessary, the program may also be controlled manually:

- **Start:** Start menu -> DesktopSign -> DesktopSign(Start)
- **Stop:** Start menu -> DesktopSign -> DesktopSign(Stop)



3. MNBSUBSCRIBER

3.1. General information

ERA connects to the DesktopSign application through the MNBSsubscriber module, providing access to the electronic signature function.

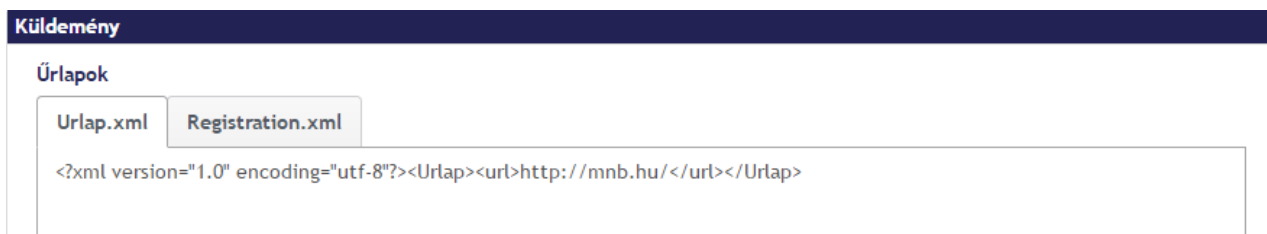
3.2. Description of the interface

For logged in users, the “Information” panel contains the name of the contact person, and makes the electronic signature policy (ESP) available in every case.



3-1: Display of the contact person’s name and access information to the ESP

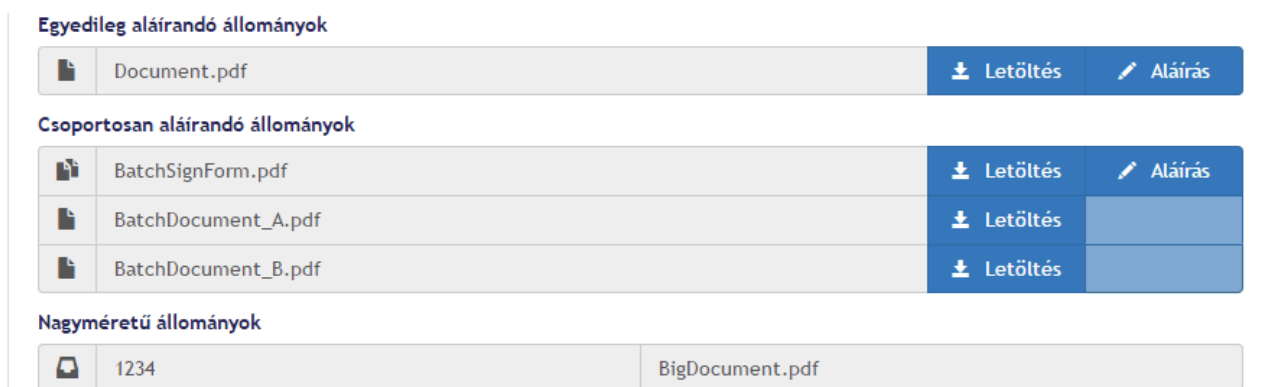
Section “Forms” on the “Package” panel lists the names and contents of the relevant forms. The “Urlap.xml” file is required in every case.



3-2: List of relevant forms

Next, the interface displays the files included in the package, including those to be signed, grouped as follows. Except for large files, all relevant files can be downloaded. Feedback on the success of the signatures is provided by the status of the “Signature -> Signed” button for each line.

- **Files to be signed individually:** Before submission, all files in the group must be signed.
- **Files to be signed collectively:** Based on the data of the files in this group, the system generates a new document, and requires a signature only for that document.
- **Large files:** This provides information on the relevant large files.



3-3: List of related files



Egyedileg aláírandó állományok

Document.pdf	Letöltés	Aláírva
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3-4: The status of the signature button reflects the status of the signature

After the files, the interface provides a clickable list of the URL references specified previously and those found in the forms.

URL referenciák

<http://mnb.hu/>

Beküldés

3-5: Display of URL references, display of the inactive “Submit” button

The “Submit” button will only be active when a signature has been added to each file that is required to be signed.

Egyedileg aláírandó állományok

Document.pdf	Letöltés	Aláírva
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Csoportosan aláírandó állományok

BatchSignForm.pdf	Letöltés	Aláírva
BatchDocument_A.pdf	Letöltés	
BatchDocument_B.pdf	Letöltés	

Nagyméretű állományok

1234	BigDocument.pdf
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URL referenciák

<http://mnb.hu/>

Beküldés

3-6: Display of the active “Submit” button

3.3. Signature procedure

In the line of each file to be signed, clicking the “Signature” button will display the certificate selection interface of the DesktopSign module. Localisation is set in the top right corner, the certificate to be used for the signature is selected from the drop-down menu displayed at the centre, below which key data are displayed on the current certificate. By default, the file is signed immediately after the certificate is selected. The system notifies any errors occurring. Possible error messages are listed in Section 3.5 of the documentation. In the case of a signature after login, only the certificates registered to the user will be displayed. When the user does not have at least one registered and valid certificate, the system will return an error message without displaying the contents of the package.



3-7: Certificate selection interface



3-8: An error message is returned when no valid certificate is registered to the user.

3.4. Submission procedure

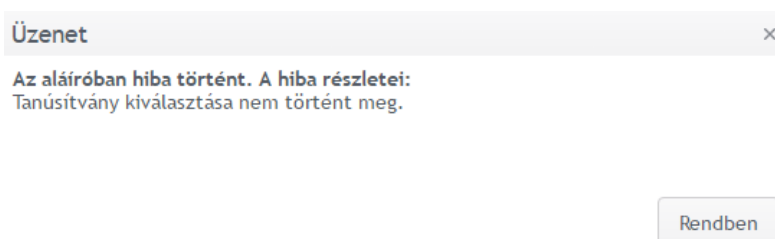
Following the signature of all files to be signed, the package is submitted by clicking the “Submit” button. When the package has successfully been received on the recipient side, the interface displays the receipt and K numbers assigned to the package. When the dialogue window has been confirmed or closed, the system redirects the user to the page of the appropriate application, the page of the selected service, or the main page, depending on the parameters set for calling the signature application.



3-9: Message confirming successful submission

3.5. Error report

Irregular operations involving errors, and occurrences of incidents are notified by the system in localised messages.



3-10: When the user clicks the “Cancel” button instead of selecting a certificate, the above error message is displayed.



Possible error messages in English are the following:

1) General error message:

- a) An unexpected exception occurred in the signature application.

2) Error messages relating to user interaction:

- a) No certificate has been selected.
- b) No PIN code has been entered.
- c) Card identification of the certificate failed because the wrong or no PIN code has been entered.

3) Error messages relating to certificates:

- a) An invalid algorithm has been selected. (In the case of an invalid certificate)
- b) The selected certificate is not found.
- c) The certificate has expired.

3.6. Logging

While in use, the DesktopSign application registers logged events in a daily breakdown in files, which are available at {installation folder}\standalone\log, where according to this documentation {installation folder} is "C:\Users\Testuser\AppData\Local\Programs\DesktopSign".