



IT-Dienstleistungen
E-Learning Systeme
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TwoFactorLocalAuth:

The second factor for
your ILIAS platform

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Agenda

- Authentication in ILIAS
- Two-factor authentication
- Plugin features
- Conclusion

Authentication in ILIAS

- ILIAS Auth as the default authentication method for local accounts
- Various external authentication methods are possible
- External authentication methods often already support two–factor authentication
- Even when using external authentication, local accounts with ILIAS Auth are usually still in place
- ILIAS Auth is often used for small installations
- When using LDAP or SOAP authentication, the ILIAS login form is used

TwoFactorLocalAuth

Two-factor authentication

- Additional security through the use of a second factor during login
- Protecting authentication in the event of compromised login credentials
- Common second factors: email, OTP smartphone app
- ILIAS Auth does not currently support two-factor authentication at the core
- As a rule, there are no solutions for shared accounts, e.g. 'root' or 'ILIAS Support'

TwoFactorLocalAuth

Plugin features

- The plugin integrates seamlessly into the login process
- Compatible with ILIAS Auth, LDAP and SOAP authentication
- Requires the use/configuration of an external mailing service and always sends emails externally
- Enables the security of shared accounts as well as accounts assigned to defined roles

TwoFactorLocalAuth

Plugin features

■ 2FA for selected ILIAS accounts

→ Shared accounts, regular expression for 2FA via email

→ Login log for documenting logins and login attempts

☒ 2FA for selected User Accounts

This option is suitable for shared ILIAS accounts.

If someone tries to log in with the specified user account, the user must enter an e-mail address, a code is sent to this address. Once entered, the user is logged in.

*

Login*

E-Mail Regex

2fa_central

slowe@databay.de

+

-

A regular expression can optionally be specified here for each user.

The specified e-mail address to which the code is to be sent must fulfill this.

Example to allow only a specific domain: `^.*?@databay\.de$`

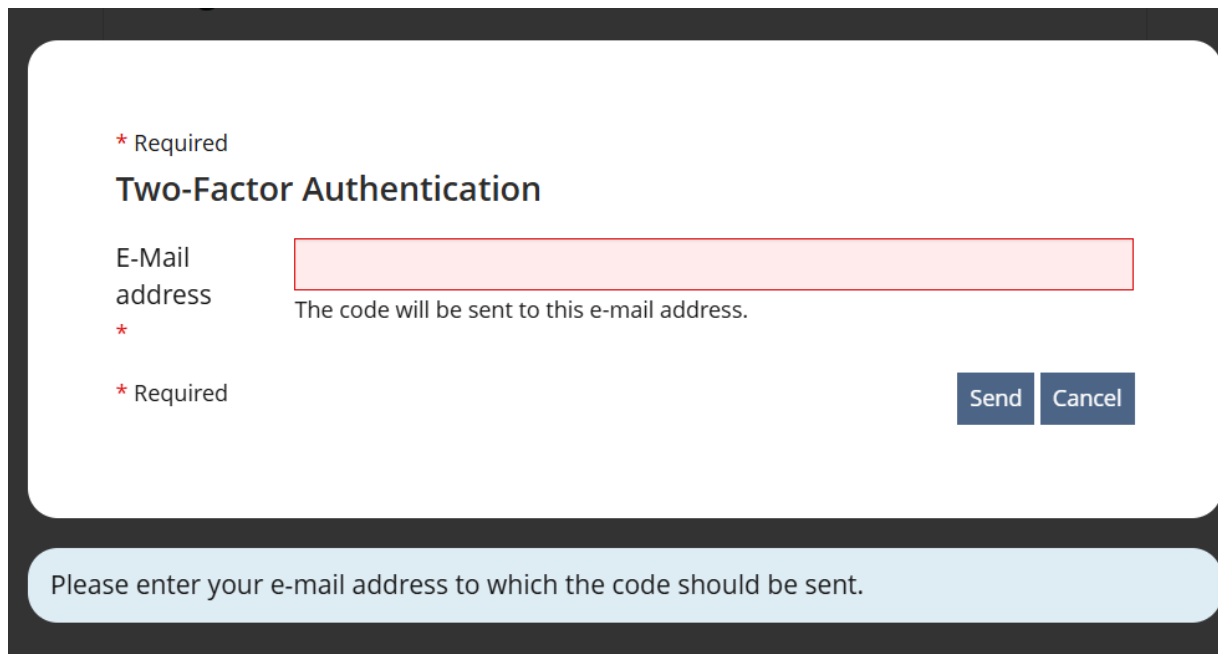
This can be tested, for example, on regex101.com

Enter without "/" at the beginning/end.

TwoFactorLocalAuth

Plugin features

- 2FA for selected ILIAS accounts
 - Shared accounts, regular expression for 2FA via email
 - Login log for documenting logins and login attempts



A screenshot of a 'Two-Factor Authentication' dialog box. The dialog has a dark grey border and a white background. At the top, it says '* Required' in red, followed by the title 'Two-Factor Authentication' in bold. Below the title, there is a label 'E-Mail address' in grey, followed by a red asterisk. To the right of the label is a light red rectangular input field. Below the input field, it says 'The code will be sent to this e-mail address.' in grey. At the bottom right of the dialog, there are two buttons: 'Send' and 'Cancel', both in dark blue. At the bottom of the dialog, there is a light blue rounded rectangle containing the text 'Please enter your e-mail address to which the code should be sent.' in grey.

* Required

Two-Factor Authentication

E-Mail address *

The code will be sent to this e-mail address.

* Required

Send Cancel

Please enter your e-mail address to which the code should be sent.

TwoFactorLocalAuth

Plugin features

- 2FA for selected global roles

→ Enforce 2FA via email for global roles (drop-down menu)

☒ 2FA for selected Global Roles

This option is suitable for enforcing 2FA for global roles.

If someone tries to log in with a user account that is assigned to one of the configured global roles, a TOP is sent to the e-mail address stored in the ILIAS account. After entering it, the user is logged in.

*

User ▼



Administrator ▼



Guest ▼



TwoFactorLocalAuth

Plugin features

- 2FA for selected local roles

→ Enable 2FA via email for local roles (text field with autofill)

☒ 2FA for selected Local Roles

This option is suitable for enforcing 2FA for local roles.

If someone tries to log in with a user account that is assigned to one of the configured local roles, a TOP is sent to the e-mail address stored in the ILIAS account. After entering it, the user is logged in.

2FA for selected Global Roles is prioritized!

*

Kurs 2 - il_crs_member_87 (341_87)



Kurs - il_crs_member_85 (328_85)

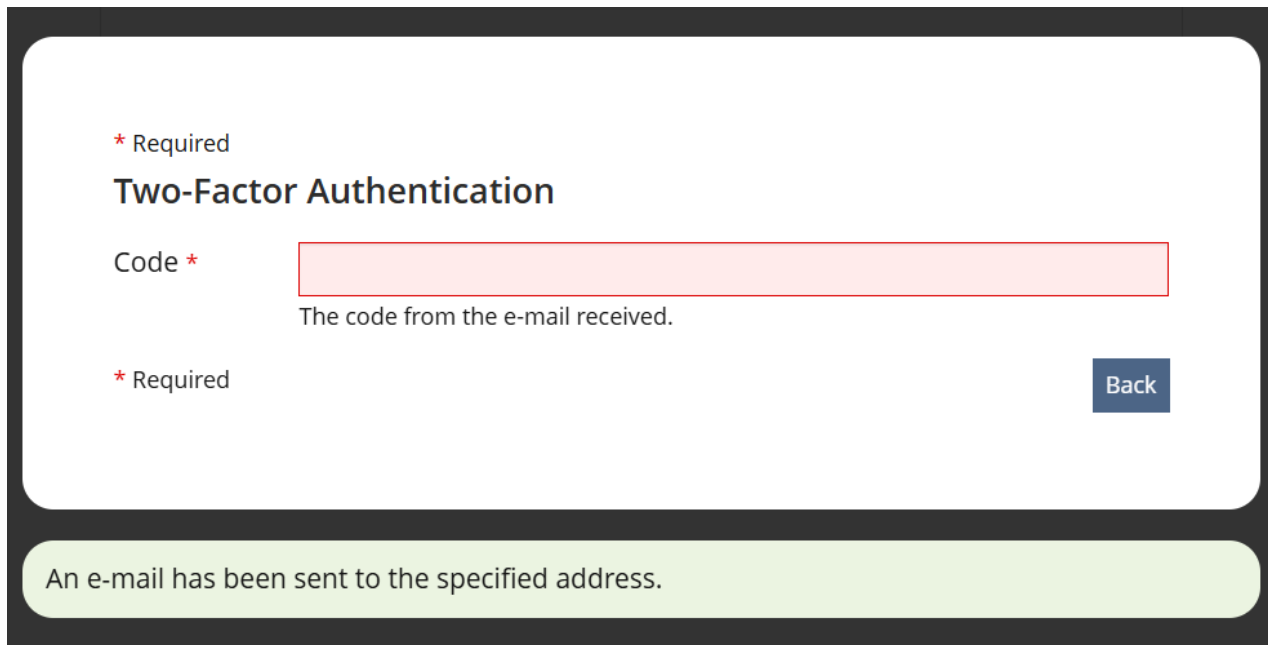


TwoFactorLocalAuth

Plugin features

- 2FA for selected local roles

→ Enable 2FA via email for local roles (text field with autofill)



The screenshot shows a web form titled "Two-Factor Authentication". At the top left, there is a red asterisk followed by the text "* Required". The form contains a label "Code *" next to a red-outlined text input field. Below the input field, the text "The code from the e-mail received." is displayed. At the bottom left of the form, there is another red asterisk followed by the text "* Required". On the bottom right of the form, there is a blue button labeled "Back". Below the form, there is a green rounded rectangular box containing the text "An e-mail has been sent to the specified address."

TwoFactorLocalAuth

Plugin features

- 2FA can be enabled via the app (optional)
 - Users can, as an alternative or optionally, set up 2FA via the app or OTP
 - The setup can be reset by an administrator if necessary

☒ 2FA via app can be activated optionally

Users can independently activate 2FA in their profile settings and use it in their own code generators.
When combined with "2FA for selected Global Roles," authentication via email can be replaced by authentication via app.

Show Logo in QR-Code



When activated the QR-Code shown to the user will contain a small logo in the center.
When no custom file is uploaded, the logo of the **Databay AG** is used!
We recommend using a graphic with a background.

Logo-File

Select File

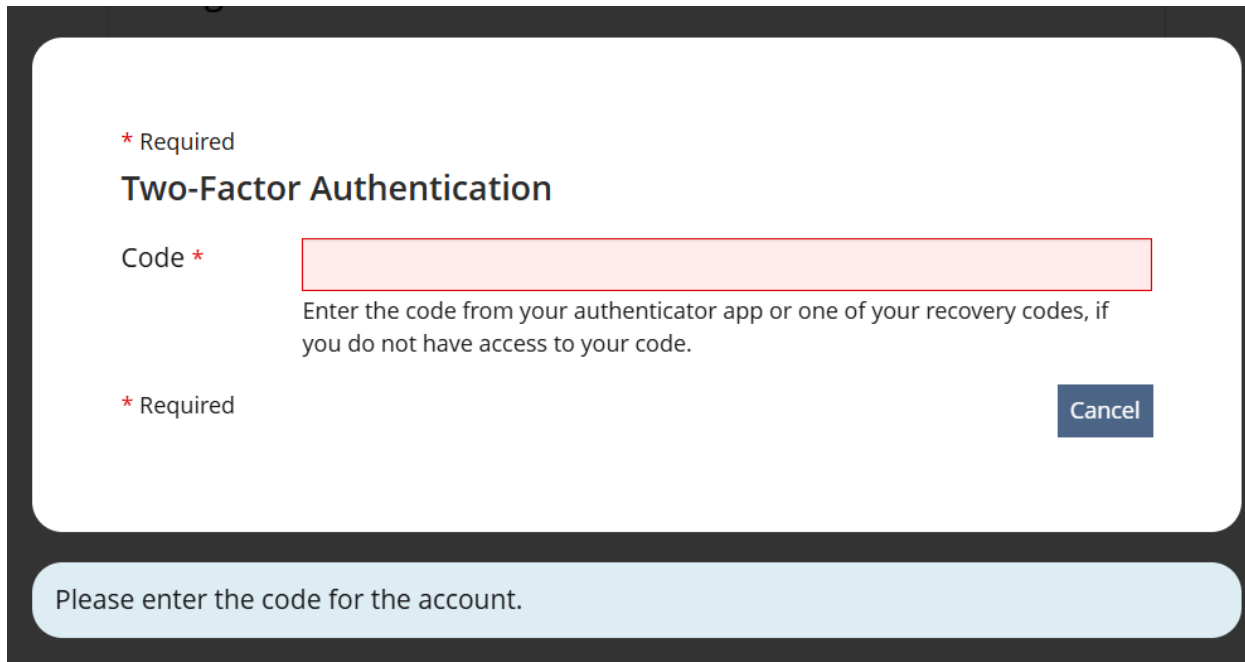
Maximum upload size: 1048.0 MB

Allowed file types: .png, .jpg

TwoFactorLocalAuth

Plugin features

- 2FA can be enabled via the app (optional)
 - Users can, as an alternative or optionally, set up 2FA via the app or OTP
 - The setup can be reset by an administrator if necessary



A screenshot of a 'Two-Factor Authentication' dialog box. The dialog has a white background with rounded corners and a dark gray border. At the top left, there is a red asterisk and the word 'Required'. Below this is the title 'Two-Factor Authentication' in bold. Under the title, the label 'Code *' is followed by a red-outlined rectangular input field. Below the input field, there is a line of text: 'Enter the code from your authenticator app or one of your recovery codes, if you do not have access to your code.' At the bottom left, there is another red asterisk and the word 'Required'. At the bottom right, there is a blue button with the text 'Cancel'. At the very bottom of the dialog, there is a light blue rounded rectangular bar containing the text 'Please enter the code for the account.'

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Conclusion

- Link to the website: <https://www.databay.de/ilias–implementierung/ilias–entwicklung/zwei–faktor–authentifizierung>
- If you are interested please contact slowe@databay.de or info@databay.de



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