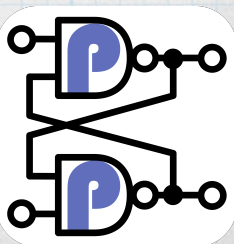


# Keycloak Use Cases

Trust and Internet Identity Meeting Europe 2018

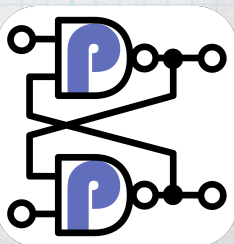
Peter Pfläging  
[pflaeging.net](http://pflaeging.net)  
[peter@pflaeging.net](mailto:peter@pflaeging.net)





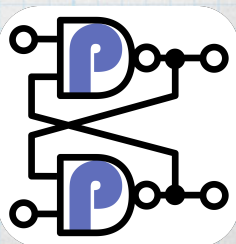
# Keycloak: Features

- \* Identity Provider
- \* Good protocol support
  - \* SAML2, OpenID-Connect, OAuth2
  - \* LDAP, Active Directory
- \* Themeable
- \* Social Login support
- \* Cascadable





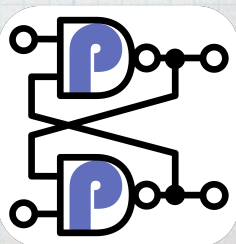
- \* Central Management through Web GUI or CMD line
- \* Clustering and HA
- \* Good workflow support
- \* Support for OTP build in
- \* Password policy support
- \* Security: break-in prevention





# Keycloak: Advantages

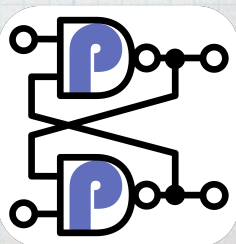
- \* Easy and fast install
- \* secure
- \* Configuration over programming
- \* Good protocol support
- \* Fairly good documented
- \* Deep rights management
- \* Multi tenant and instance support





# Keycloak: Disadvantages

- \* Sometimes complex configuration
- \* Complex java programming if you hit the wall ;-)
- \* Rights management complex
- \* Theming not very comfortable
- \* Large universal product, ...





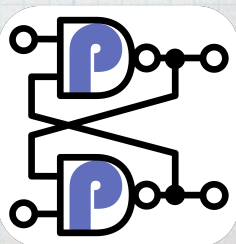
# Typical use case

- \* Keycloak as IdP with LDAP or AD in Org.
- \* Keycloak in front of WebApps
- \* Keycloak as User integration platform



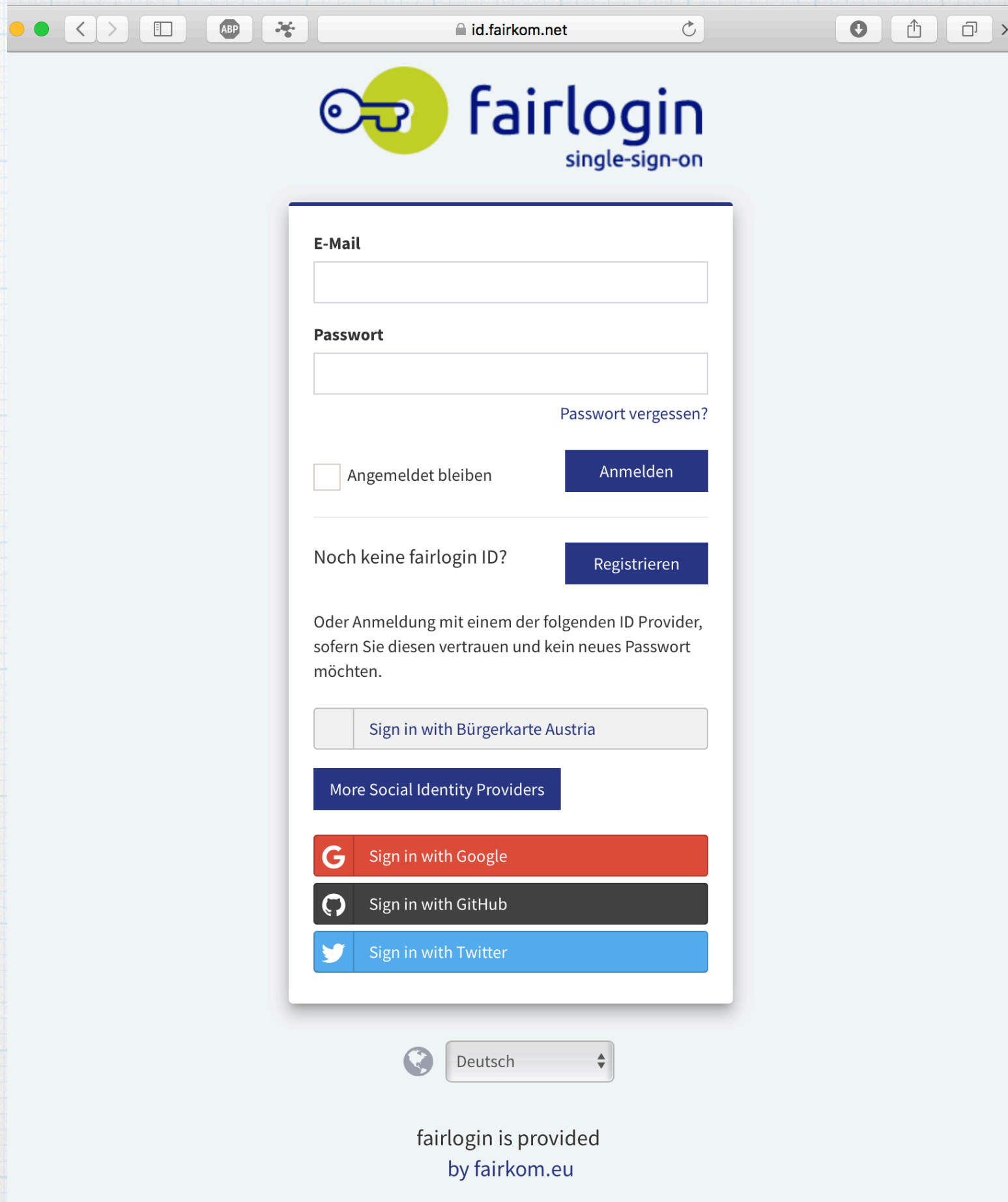
# Keycloak as IdP in Org.

- \* Fast setup with
  - \* LDAP
  - \* Kerberos
  - \* Active Directory
- \* Base for
  - \* other IdP's
  - \* Applications with OIDC, SAML2 or OAUTH2 support
  - \* Easy self service portal with workflows





# Example Login



The screenshot shows a web browser window with the address bar displaying `id.fairkom.net`. The page features the fairlogin logo, which consists of a stylized key icon and the text "fairlogin single-sign-on". Below the logo is a login form with the following elements:

- E-Mail**: A text input field.
- Passwort**: A password input field.
- [Passwort vergessen?](#): A link to recover a forgotten password.
- ☐ **Angemeldet bleiben**: A checkbox for staying logged in.
- Anmelden**: A blue button to submit the login form.
- Noch keine fairlogin ID?**: Text indicating the user is not yet registered.
- Registrieren**: A blue button to register a new account.
- Oder Anmeldung mit einem der folgenden ID Provider, sofern Sie diesen vertrauen und kein neues Passwort möchten.
- Sign in with Bürgerkarte Austria**: A button for logging in with the Austrian citizen card.
- More Social Identity Providers**: A blue button to expand the list of social login options.
- Sign in with Google**: A red button with the Google logo.
- Sign in with GitHub**: A dark gray button with the GitHub logo.
- Sign in with Twitter**: A blue button with the Twitter logo.


At the bottom of the page, there is a language selector showing "Deutsch" and a footer stating "fairlogin is provided by fairkom.eu".



# Example App Dashboard


fairapps

Peter Pfläging




fairchat

fairchat is world's first fair and sustainable messenger. Read, create or join public groups.




GitLab

The swiss knife for agile sprints: git file repository, issue tracker, scrum board and wiki.




fairchat meet

Instant video chat for one or more participants. With chat, common writing board and screen sharing.




GroupOffice

The office in the cloud: Calendar, email, contacts and mail that syncs with your mobile.




ownCloud

Save and share your data safely and have access from any device.




board.net

Quick notes on the web, write simultaneously. The page name is your common password.



Sandstorm Apps

More webtools: Forms, Slides, Edit, Draw, Calc, Store, Ideation, ...



fairkom DokuWiki

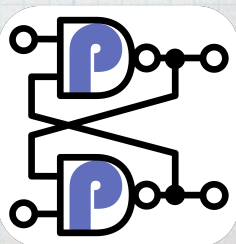
Documentation on fairkom services.

Imprint. Powered by fairkom Gesellschaft.



# Keycloak in front of WebApps

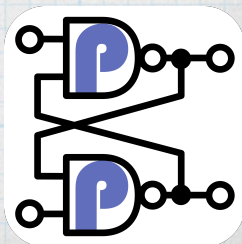
- \* Get the users out of the Apps
- \* Role & group management
- \* Attribute rewriting is very strong
- \* Support of different federations
  - Social and enterprise





# Keycloak as user integration platform

- \* Start with Keycloak early in dev or deployment
- \* Don't mess with local user-DB's
- \* Easy expand with new services
- \* —> Keycloak Workshop





„I never think about the future. It comes soon  
enough.“

-Albert Einstein