Wir tanzen um die Welt!

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15. Deutscher Perl-Workshop, Berlin, 14. März 2013

American Spaces

- ▶ 850 American Spaces
- ▶ American Corners
- ▶ Information Resource Center
- ▶ Binational Center

American Spaces

Ouagadougou	Martin Luther King Jr. Library
Nuku'alofa	American Corner Nuku'alofa
Gweru	American Corner Gweru

American Spaces

Amerika-Gedenkbibliothek Berlin

American Spaces
Anwendungen
Single Sign-On (SSO)
Dancer
Entwicklung & Deployment

Dashboard
eShop
eLibraryUSA
Administration

Anwendungen

- ▶ Dashboard
- ▶ eShop
- ▶ eLibraryUSA
- ▶ Administration
- ▶ Training

American Spaces
Anwendungen
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Dashboard
eShop
eLibraryUSA
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Dashboard

- https://americanspaces.state.gov/
- ▶ Homepage intern/extern
- ▶ Single Sign-On (SSO)

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Dashboard
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eShop

- https://eshop.state.gov/
- Beschaffung von Materialien
- z.Z. 12 Anbieter
- Backend für Preise, Ersatztitel
- Bestpreis
- Anzeige nur für American Spaces

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eShop

- ▶ PostgreSQL
- ▶ ISBNdb.com
- ▶ LibraryThing
- ▶ LiveChat, MailChimp
- ▶ ProForma-Rechnungen mit PDF::WebKit

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eShop - PDF::WebKit

```
content_type 'application/pdf';
$html = template('invoice', { ... }, {layout => undef});
$img_url = uri_for('/images/');
$html =~ s%/images/%$img_url%g;
$kit = PDF::WebKit->new(\$html, page_size => 'Letter');
return $kit->to_pdf;
```

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eLibraryUSA

- ► `http://elibraryusa.state.gov/`
- ► Zugang zu 30 kommerziellen Datenbanken
- ► monatliche Themen
- ► EzProxy-Server

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Dashboard
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Administration

Administration

Zugang Superuser, Referrer, Patrons

Spaces Region, Land, Stadt, Homepage, GeoIP, ...

Benutzer Space, Rolle, Email, ...

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Cookies
Passwort Policy
Email-Validierung

Single Sign-On

- ▶ Anmelden
- ▶ Abmelden
- ▶ Passwort zurücksetzen
- ▶ Passwort ändern

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Anwendungen
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Cookies
Passwort Policy
Email-Validierung

Single Sign-On

- ▶ Überprüfung Anmeldestatus
- ▶ Erzeugung eines Tokens
- ▶ Anmeldeformular
- ▶ Benutzerdaten laden

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Cookies
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Cookies

```
cookie 'sso.username' => 'racke@linuxia.de',
        domain => '.state.gov',
        expires => config->{session_expires};
```

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Passwort Policy

- ▶ mindestens 8 Zeichen
- ▶ Kleinbuchstabe
- ▶ Muster `qwertz`
- ▶ Leet `ph34r`
- ▶ Data::Transpose::PasswordPolicy

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Email-Validierung

Email::Valid

- rfc822 info@icdev.de; racke@linuxia.de racke.linuxia.de
- tld
- mxcheck

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VERP

- ▶ Variable Envelope Return Path

```
<< bounces@interchange.at
>> racke@linuxia.de

<< bounces-racke=linuxia.de@interchange.at
>> racke@linuxia.de
```

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Warum Dancer?
Plugins
Hooks

Warum Dancer?

Einfach

Flexibel

Community

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Warum Dancer?
Plugins
Hooks

Plugins

Dancer::Plugin::Database
Dancer::Plugin::Email

Dancer::Plugin::LDAP
Dancer::Plugin::LibraryThing

Dancer::Plugin::SSO

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Warum Dancer?
Plugins
Hooks

Hooks

before
before_template_render

database_connection_failed
database_connection_lost

sso_login
sso_failure

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Warum Dancer?
Plugins
Hooks

eShop SSO hooks

```
hook sso_login => sub {
    my $account = shift;

    if (!(account->become($account->username))) {
        debug "Account not approved for eShop: ",
            $account->username;
        vars->{account_missing} = 1;
    }
};

hook sso_failure => sub {
    account->logout;
};
```

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Lokale OpenLDAP-Instanz
Email Redirect
Nginx

Lokale OpenLDAP-Instanz

```
% rm −rf ldap/db
% mkdir ldap/db
% cp /usr/share/slapd/DB_CONFIG ldap/db
% /usr/sbin/slapadd −f slapd.conf live.ldif
% /usr/sbin/slapd −u 1000 −g 1000 \
      −h ldap://127.0.0.1:9009 −f slapd.conf
```

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Lokale OpenLDAP-Instanz
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Nginx

Email Redirect

```
plugins:
  Email:
    transport:
      Sendmail:
        redirect_address: racke@linuxia.de
```

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Lokale OpenLDAP-Instanz
Email Redirect
Nginx

Nginx-Konfiguration

```
server {
    listen 80;
    server_name elibraryusa.state.gov;
    root /home/dancer/Elib/public;

    ...
}
```

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Nginx

Nginx-Konfiguration

```
server {
    ...

    location / {
        try_files $uri @proxy;
        access_log off;
        expires max;
    }

    ...
}
```

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Nginx-Konfiguration

```
server {
    ...

    location @proxy {
            proxy_set_header Host $http_host;
            proxy_set_header X-Forwarded-Host $host;
            proxy_set_header X-Real-IP $remote_addr;
            proxy_set_header X-Forwarded-For $proxy_add_x_for
            proxy_pass        http://localhost:5001;
    }
}
```

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Email Redirect
Nginx

Nginx-Konfiguration SSL

```
server {
    listen  213.129.249.66:443;
    server_name eshop.state.gov;
    root /home/interch/eShop/public;

    ssl on;
    ssl_certificate_key   /etc/ssl/private/eshop.state.gov.
    ssl_certificate       /etc/ssl/certs/eshop.state.gov.pem;

    ...
}
```

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Nginx

Nginx-Konfiguration SSL

```
server {
    ...

    location @proxy {
        proxy_set_header Host $http_host;
        proxy_set_header X-Forwarded-Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_for
        proxy_set_header X-Forwarded-Proto https;
        proxy_pass          http://localhost:5001;
    }
}
```

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Tanzpause

Slides: `http://www.linuxia.de/talks/pws2013/`
`dancer-for-the-world-beamer.pdf`