

**{ "Einstöpseln" :
"jetzt!" }**

OIO - Hauskonferenz 2013

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API?



Math.sqrt(36);

The screenshot shows a web browser window with the URL `search.maven.org/#search%7Cga%7C1%7Cjson`. The page title is "The Central Repository". A search bar contains the text "json". Below the search bar, there are links for "New: App Scan", "Advanced Search", "API Guide", and "Help". The search results are displayed in a table with the following columns: GroupId, ArtifactId, Latest Version, Updated, and Download. The table lists 20 results, showing various artifacts like `com.proofpoint.platform.json`, `org.glassfish.json`, and `org.apache.airavata.json`. At the bottom of the browser window, there are several image thumbnails and a button labeled "Alle einblenden".

The Central Repository

SEARCH | ADVANCED SEARCH | BROWSE | QUICK STATS

json

New: App Scan Advanced Search | API Guide | Help

Search Results < 1 2 3 ... 27 28 > displaying 1 to 20 of 551

GroupId	ArtifactId	Latest Version	Updated	Download
com.proofpoint.platform	json	0.88 all (44)	11-Dec-2013	pom jar javadoc.jar sources.jar test-sources.jar
org.glassfish	json	1.0.4 all (11)	18-Nov-2013	pom
org.apache.airavata	json	0.10 all (2)	30-Oct-2013	pom jar javadoc.jar sources.jar
io.airlift	json	0.84 all (20)	29-Oct-2013	pom jar javadoc.jar sources.jar test-sources.jar tests.jar
org.json	json	20131018 all (4)	18-Oct-2013	pom jar javadoc.jar sources.jar
com.wadpam.openserver	json	29 all (8)	25-Jul-2013	pom jar javadoc-resources.jar javadoc.jar sources.jar
net.stepniak.api	json	0.8.8	19-May-2013	pom jar javadoc.jar sources.jar
org.glassfish.main.packager	json	4.0 all (2)	15-May-2013	pom zip sources.jar
org.webjars	json	20121008	24-Nov-2012	pom jar
de.twentyeleven.bundled	json	20070829	08-Jul-2012	pom jar
org.gaixie.json	json	1.0.0	05-Jun-2012	pom jar javadoc.jar sources.jar
org.apache.isis.viewer	json	0.2.0-incubating all (2)	10-Feb-2012	pom site.xml tests.jar
com.unboundid.components	json	1.0.0	22-Nov-2011	pom jar javadoc.jar sources.jar
it.tidalwave.bluebill	json	1.0.21 all (23)	03-Jul-2011	pom jar javadoc.jar sources.jar tests.jar
org.apache.geronimo.bundles	json	20090211 1	17-Dec-2010	pom jar source-release.tar.gz source-release.zip sources.jar
com.twitter	json	2.1.4 all (6)	07-Oct-2010	pom jar
com.sun.woodstock.dependlibs	json	2.0 all (2)	20-May-2010	pom jar
org.jvnet.jax-ws-commons	json	1.2 all (2)	19-May-2010	pom
org.metawidget.modules.json	json-parent	3.7 all (5)	08-Dec-2013	pom

Feedback

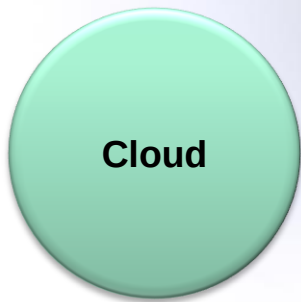
iStock_00003041922....jpg iStock_00002467845....zip iStock_00003052852....jpg iStock_00002963804....jpg

Alle einblenden



1997

3rd Party



Web 1994 was the “get me a domain and a page” era.

Web 2000 was the “make my page(s) interactive and put people on it” era.

Robert Scoble

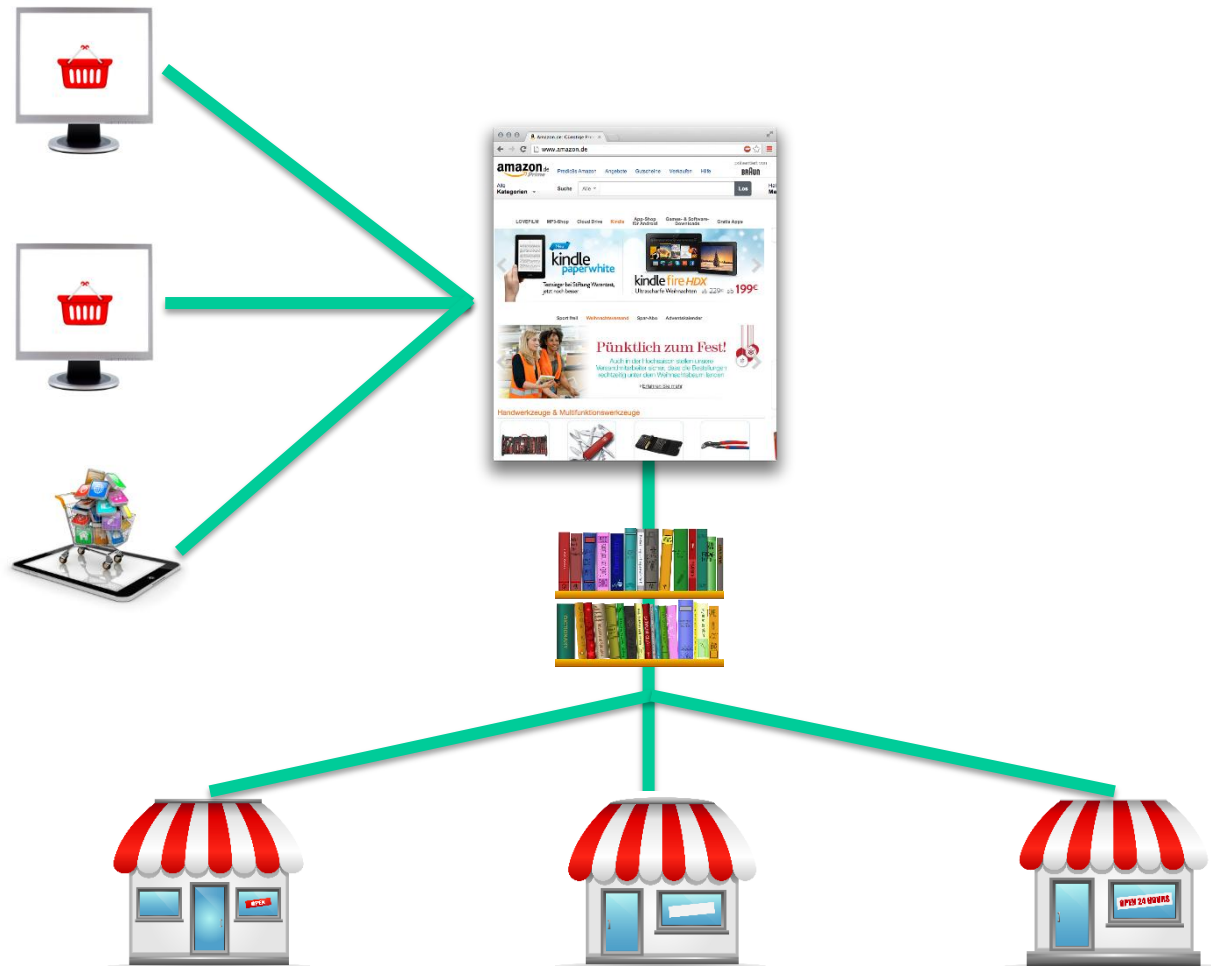
Web 2010 is the “get rid of pages and glue APIs and people together” era.

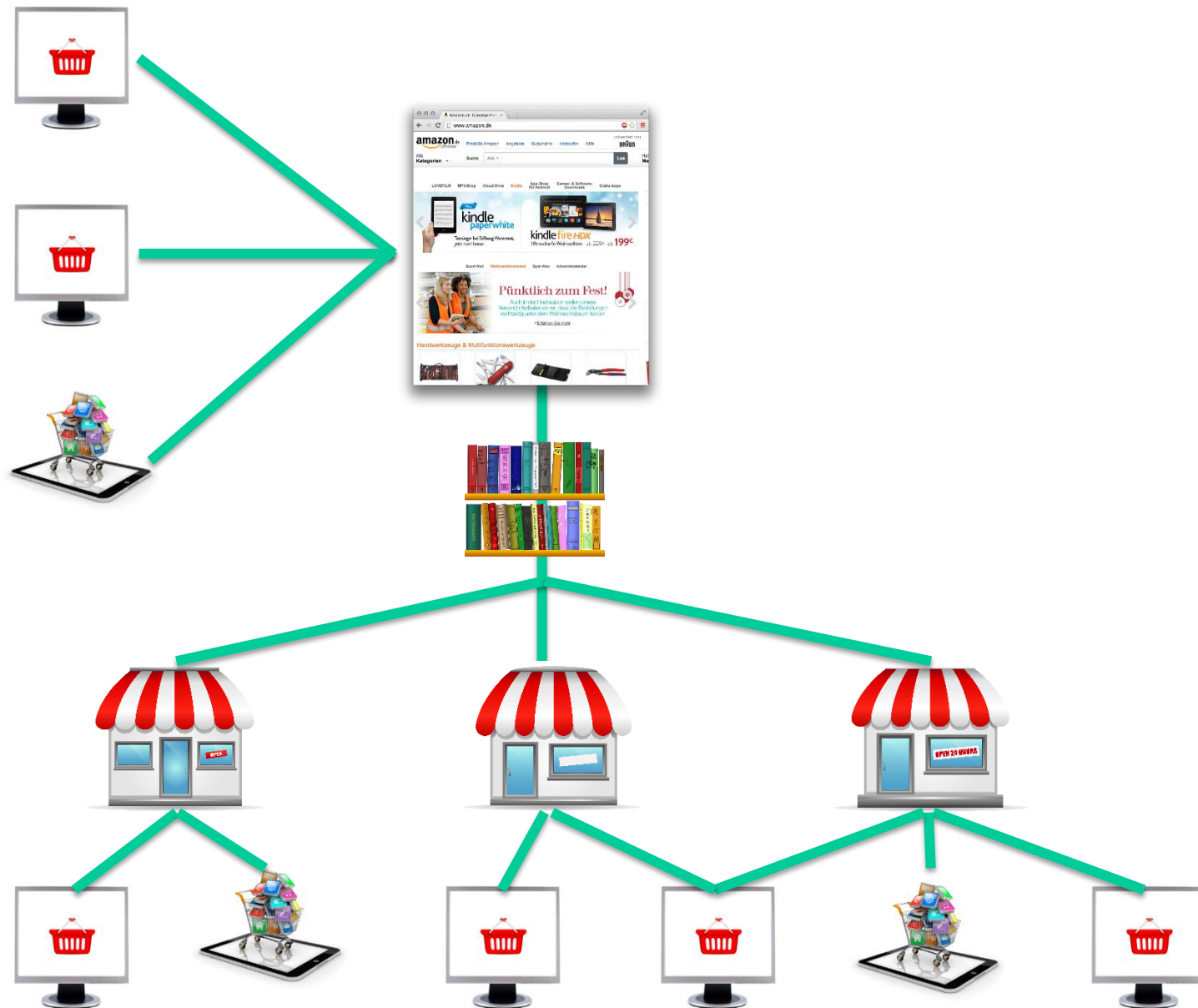
Quelle: <http://scobleizer.com/2010/02/08/why-if-you-miss-siri-youll-miss-the-future-of-the-web/>

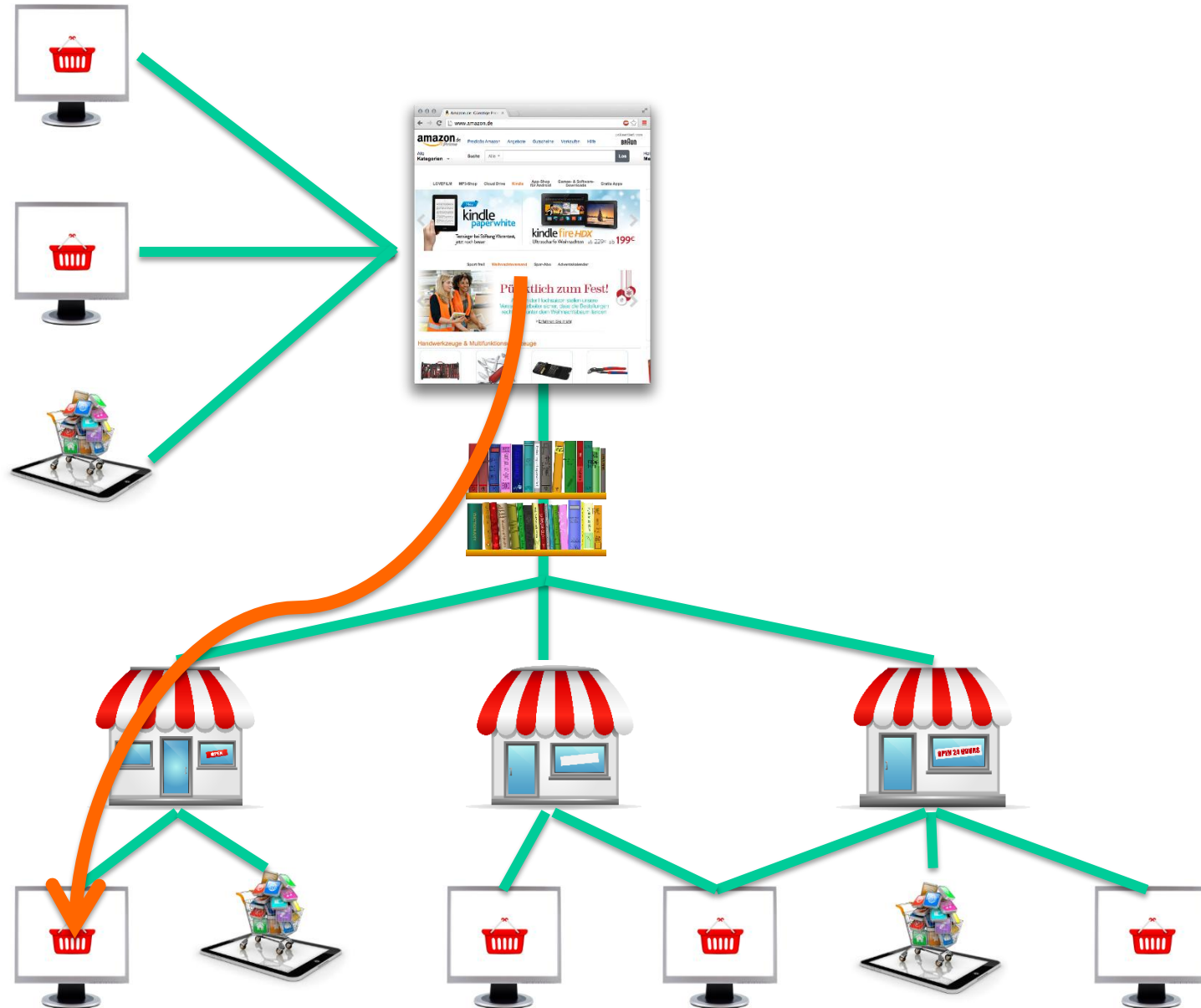


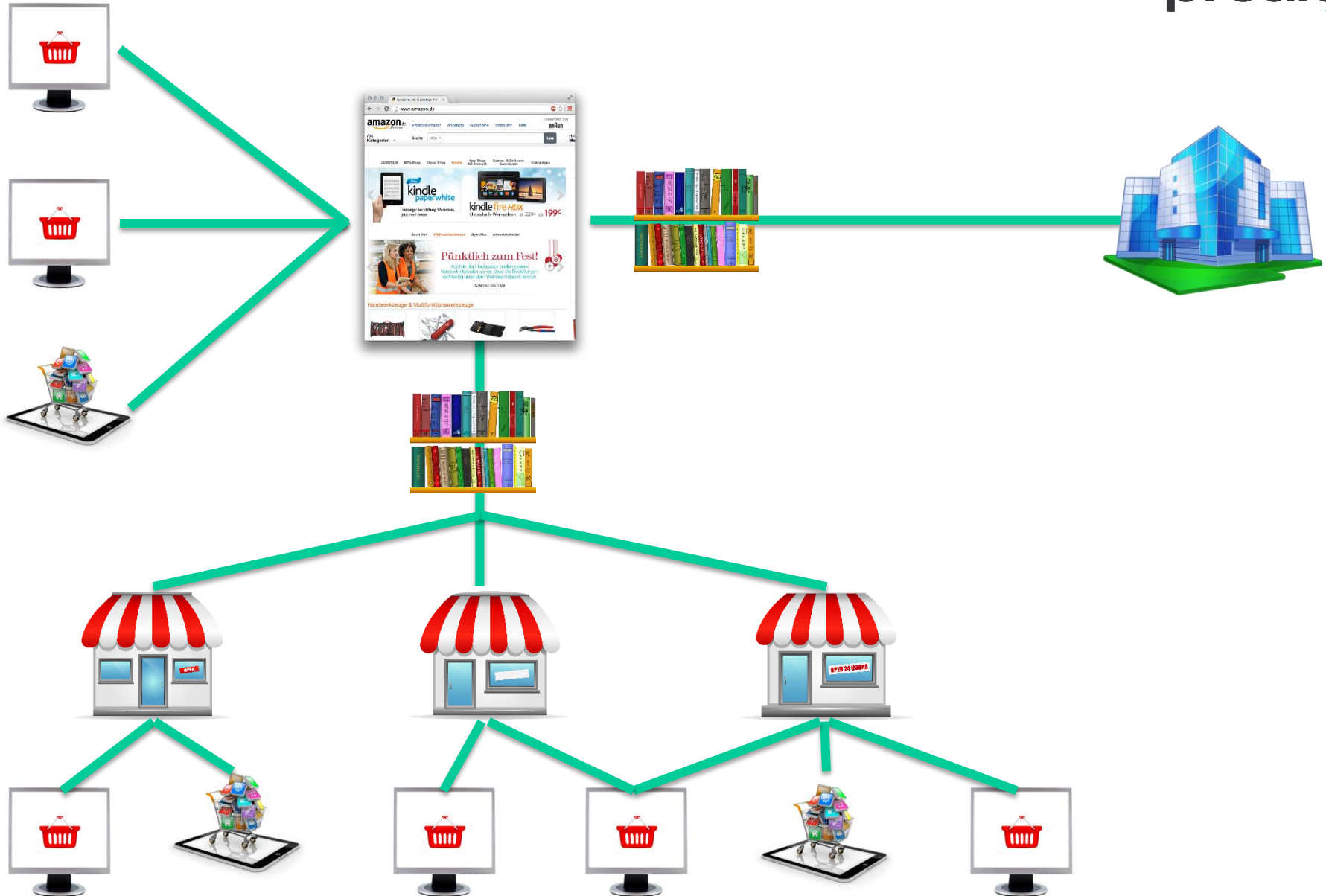


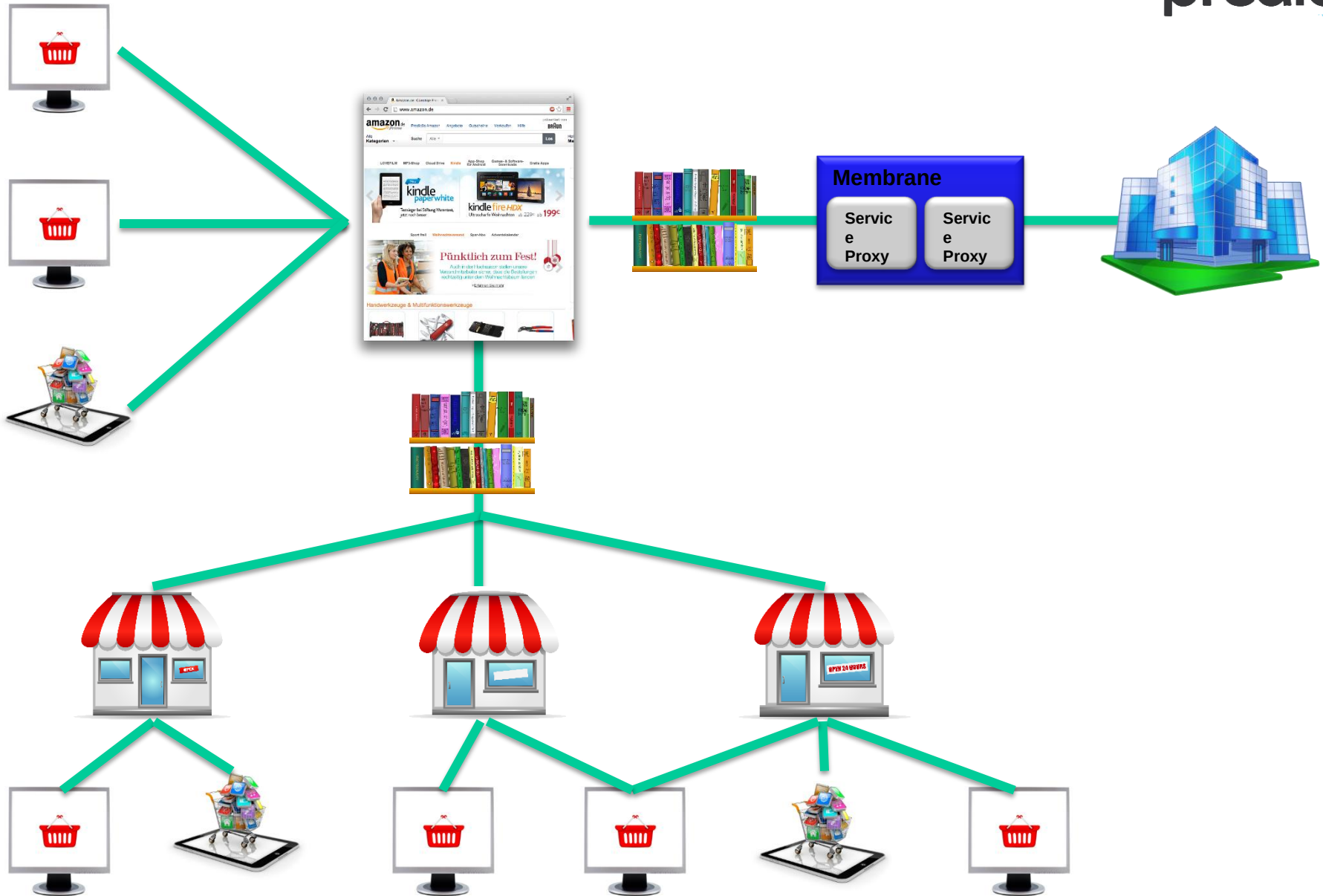


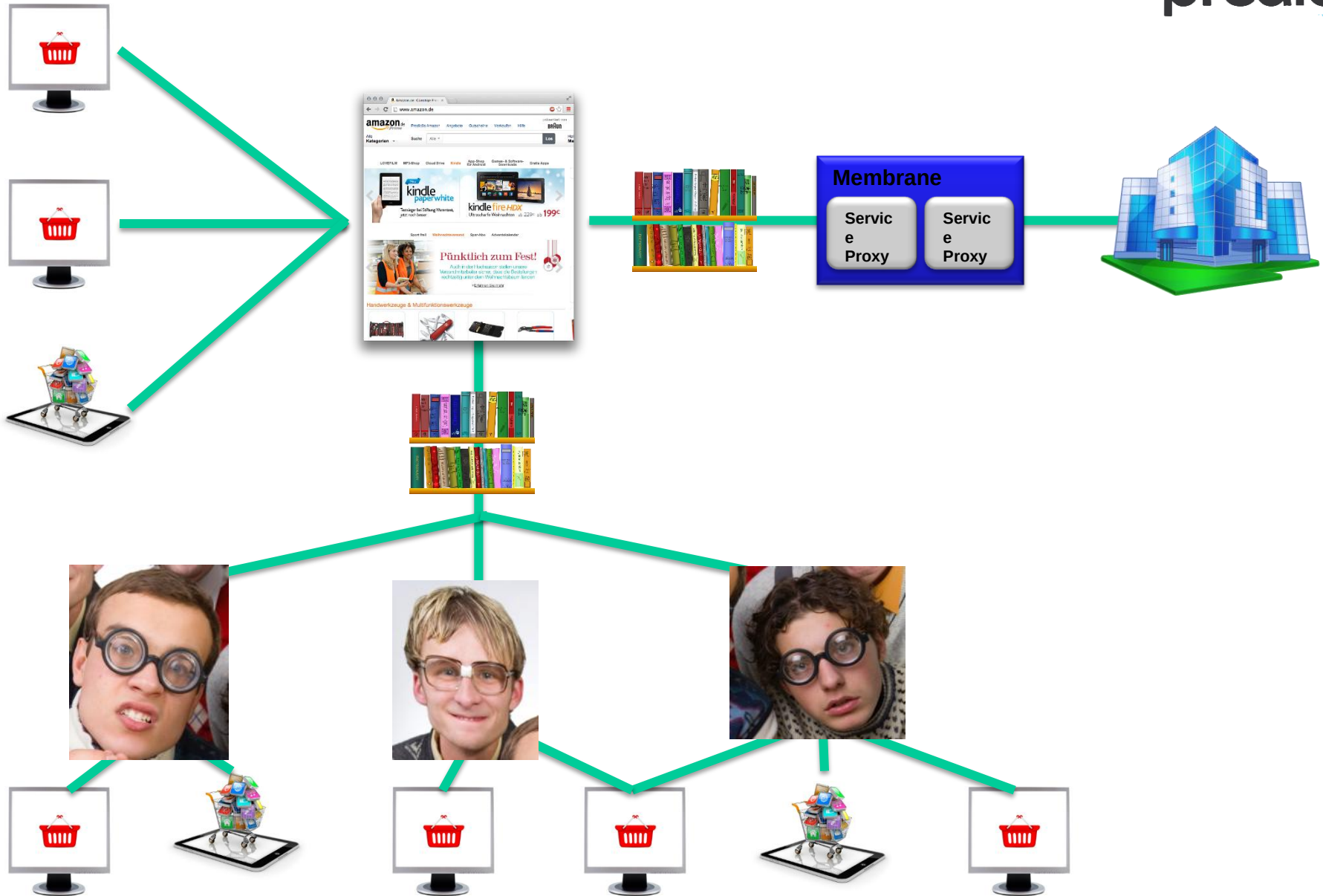














Business

Software

Software

Software

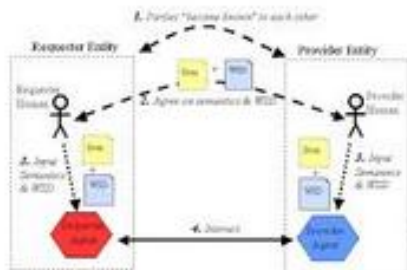




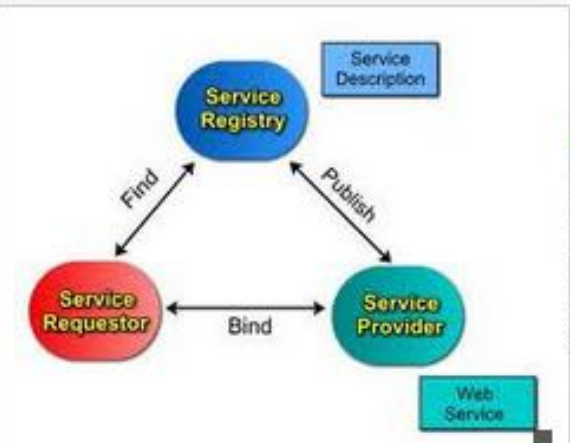
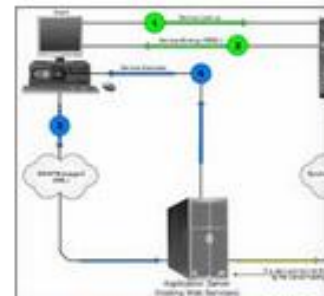
Nutzer bezahlt

**Nutzer wird
bezahlt**

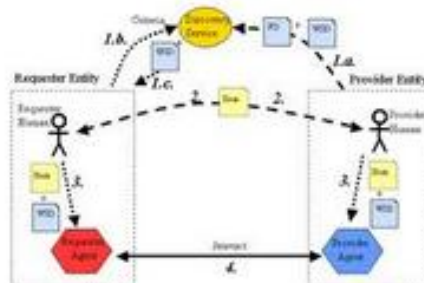
kostenlos



Service Oriented Architecture



Enterprise JavaBeans als Web Service



DETAILED WEB SERVICES PROCESS

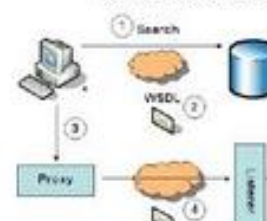
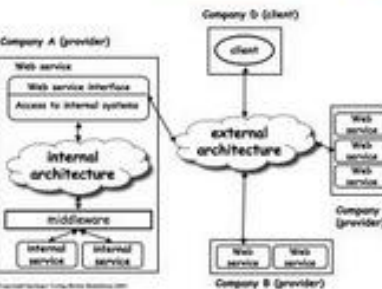
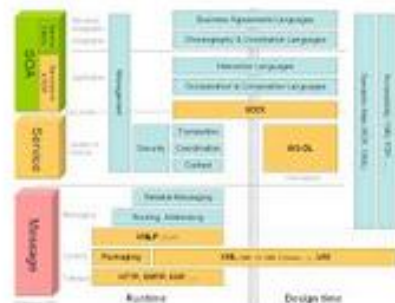
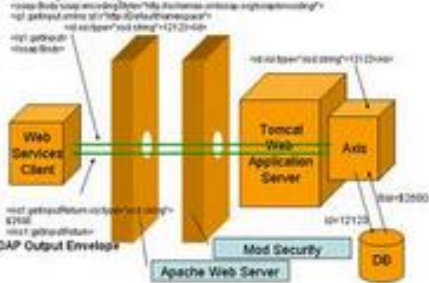


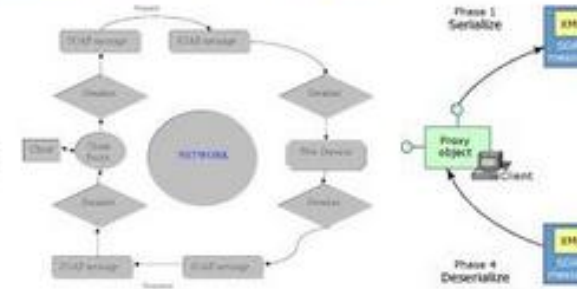
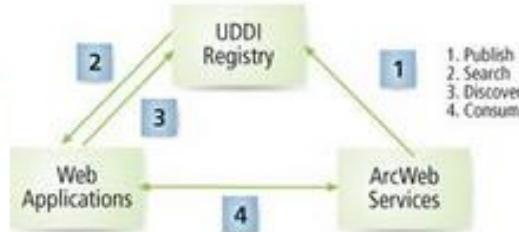
Figure 1: The process flow of a Web service

WebServicesArchitecture.jpg
ibm.com Teilen
 430 x 340 - In this view of the **Web services** architecture, the **service**
 Ähnliche Bilder Weitere Größen

SOAP Input Envelope



Web Services



operations with the build-in [SOAP client](#). The availability of the services is checked by continuous service monitoring. Feel free to [register](#) yourself a service.

Name	Description	Rating	Availability	Action
✓ Weather		★★★★☆	94,25%	Call it!
✓ BLZService	BLZService	★★★★☆	90,01%	Call it!
✓ SendService	Methods to send SMS messages individually and in batches. Click here for a <a href="https://www.esend...	★★★★☆	100%	Call it!
✓ GlobalWeather		★★★★☆	96,91%	Call it!
✓ JDispatcherService	MAFFT (Multiple Alignment using Fast Fourier Transform) is a high speed multiple sequence alignment p...	★★★★☆	96,84%	Call it!
⚡ CDC-Confirmação de Dados Cadastrais	ConsultaCPF - Confirmacao de Dados Cadastrais	★★★★☆	65,47%	Call it!
⚡ TopMovies		★★★★☆	35,73%	Call it!
⚡ EmailCheckService	This is Service which check the given email id is really existed or not If the email id is exist,it ...	★★★★☆	0%	Call it!
✓ DeFactoSF1	2010 Census Demographic Data by Race, Housing, Zip, City, State, Municipality	★★★☆☆	96,37%	Call it!
✓ CentileWSService	in input, takes a list of numbers s	★★★☆☆	93,97%	Call it!

Featured Services

These services are showing some advanced featured like dependency and consumer management.

Get the software of service-repository.com to manage your services.

[Download now!](#)

Web Services Tools

[Dynamic SOAP Client](#)
[WSDL Diff](#)
[Schema Diff](#)

Tags

Events

Date	Description
13-11-14 13:41:34	attestazioniSoa registered
13-10-26 06:11:33	Wsd of DocuSign changed
13-10-17 15:42:19	TextCasing went down
13-10-17 15:42:19	ShipmentStatusSe... went down
13-10-03 07:00:51	Wsd of DocuSign changed
13-10-01 03:28:59	ArticleService went up
13-09-24 01:15:35	Wsd of AWSECommerceServ... changed

Analyze & Compare WSDLs

Get online WSDL reports and usage statistics for free.

Upload a WSDL to analyze or compare it

Keine ausgewählt

Note! Your uploaded documents will not be visible on the internet.

See a sample report:

- [Banking](#)
- [Open Travel](#) (Huge XML Schema)

http://wsdl-analyzer.com



Versions

Version	Uploaded	Compare version 1 with...	WSDL Document
1	12.11.13 11:36		Download

+ Add Version

Report Summary

WSDL Structure: OK

WSDL: 0 Errors, 4 Warnings, 1 Hints

Show detailed report

TargetNamespace

NamespaceURI: <http://localhost/wsd/material/ArticleService/1/> WARN

A namespace should be unique.Consider using a real domain name instead of **localhost** to make the URI more distinct.

Naming: OK

Report for Version 1

Documentation: HINT

-

Referenced Schemas

Namespace	Errors	Warnings	Hints
http://localhost/wsd/material/ArticleService/1/	0	2	0
http://predic8.com/material/1/	0	0	0
http://predic8.com/common/1/	0	0	0

Quality Report



WSDL: <http://localhost/wsd/material/ArticleService/1/>

Services: ArticleServiceImpl

Tests

Total: 20

OK: 13

Hints: 1

Warnings: 6

Errors: 0

Test	Result
WSDL	
WSDL Order	OK
Documentation	HINT
TargetNamespace	
Uniqueness	WARN
WSDL Default Namespace	OK
Schema	
Context	OK
Consistency of Top-Level Element Names	WARN
Consistency of Top-Level ComplexType Names	WARN
Consistency of Top-Level SimpleType Names	OK
Message	
Descriptive Part Names	OK
PortType	
Documentation	OK
Operation	

WADL Analyzer
www.wsdl-analyzer.com/application/show/8547
Reader
Masters of ...ephen Shore The Tuesday...ual Echoes Paying Atten...y | Peachpit A painter's ...hy - FT.com Exploring V...Photography
WADL Analyzer

WADL Analyzer

Documentation

Title	Language	Content

Grammars

None

Base: <http://openapi.etsy.com/v2/private>

Resource	Documentation
GET /countries/{country_id}	Retrieves a Country by id.
GET /countries	Finds all Country.
GET /users/{user_id}/favorites/listings	Finds all favorite listings for a user
GET /users/{user_id}/favorites/listings/{listing_id}	Finds a favorite listing for a user
POST /users/{user_id}/favorites/listings/{listing_id}	Creates a new favorite listing for a user
DELETE /users/{user_id}/favorites/listings/{listing_id}	Delete a favorite listing for a user
GET /users/{user_id}/favorites/users	Finds all favorite users for a user

REST

http://www.thomas-bayer.com/restnames/name.groovy?name=Thomas

← → ↻ www.thomas-bayer.com/restnames/name.groovy?name=Thomas

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```

▼<restnames>
  ▼<nameinfo>
    <name>Thomas</name>
    ▼<countries>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Great+Britain">Great Britain</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Ireland">Ireland</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=U.S.A.">U.S.A.</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=France">France</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Malta">Malta</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Belgium">Belgium</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Luxembourg">Luxembourg</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Netherlands">Netherlands</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Frisia">Frisia</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Germany">Germany</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Austria">Austria</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Swiss">Swiss</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Denmark">Denmark</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Norway">Norway</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Sweden">Sweden</country>
      <country href="http://www.thomas-bayer.com:80/restnames/namesincountry.groovy?country=Greece">Greece</country>
    </countries>
    <gender>male first name</gender>
    <male>true</male>
    <female>false</female>
  </nameinfo>
</restnames>

```


Getting Started

Update Guide - Minor Rev 20

API Changelog & Minor Revisions

Expedia Post-Pay Integration Guide

Endpoints and Common Elements

Hotel List

Room Availability

Book Reservation

Examples

Track Bookings

Itinerary Request

Cancel Reservation

Hotel Collect Rate Rules

Book Reservation

Requests a reservation for the specified room(s). This request must be sent with the **POST** method via **HTTPS** to protect the customer's payment information. The information submitted in this request is subject to EAN's proprietary fraud and security validation methods.

The credit card information provided in the request will be used for a direct prepayment of the reservation if booking an Expedia Collect property. The customer's reservation is paid in full (save any extras like room service) as soon as a successful response is received, even if booking months in advance.

If booking a [Hotel Collect](#) property, the credit card provided is only used to guarantee the reservation with no immediate charges save any deposits specified in the room response. The customer pays the total to the hotel directly at the end of their stay.

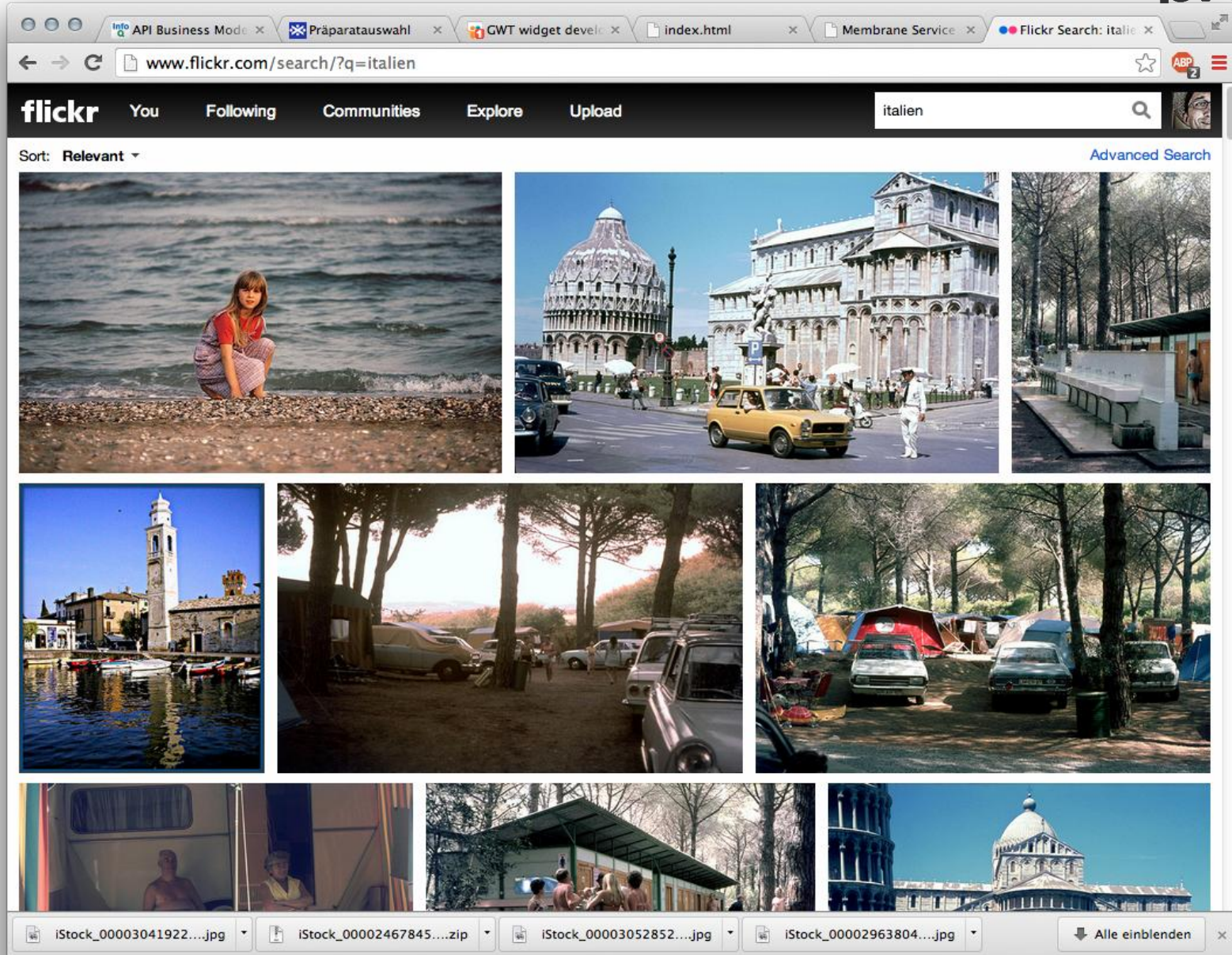
Be certain to use the correct [cid/apiKey](#) pair for live bookings. This is critical both to placing successful bookings and ensuring any commissions earned are paid out to the correct account.

To save development time or to avoid the need to procure your own SSL certificate, this request can be bypassed by instead diverting customers to an EAN-hosted white label template page for booking. Read more about [hybrid sites](#) to find out about this process.

Request Formats

XML/REST URL: **POST <https://book.api.ean.com/ean-services/rs/hotel/v3/res?>**

XML Parent Element: **<HotelRoomReservationRequest>**



The App Garden

Create an App | [API Documentation](#) | [Feeds](#) | [What is the App Garden?](#)

The Flickr API is available for non-commercial use by outside developers. Commercial use is possible by prior arrangement.

Read these first:

- [Developer Guide](#)
- [Overview](#)
- [Encoding](#)
- [User Authentication](#)

- [Dates](#)
- [Tags](#)
- [URLs](#)
- [Buddyicons](#)

- [Flickr APIs Terms of Use](#)

- [API Keys](#)
- [Developers' mailing list](#)

Photo Upload API

- [Uploading Photos](#)
- [Replacing Photos](#)
- [Example Request](#)
- [Asynchronous Uploading](#)

Request Formats

- [REST](#)
- [XML-RPC](#)
- [SOAP](#)

API Methods

activity

- [flickr.activity.userComments](#)
- [flickr.activity.userPhotos](#)

auth

- [flickr.auth.checkToken](#)
- [flickr.auth.getFrob](#)
- [flickr.auth.getFullToken](#)
- [flickr.auth.getToken](#)

auth.oauth

- [flickr.auth.oauth.checkToken](#)
- [flickr.auth.oauth.getAccessToken](#)

blogs

- [flickr.blogs.getList](#)
- [flickr.blogs.getServices](#)
- [flickr.blogs.postPhoto](#)

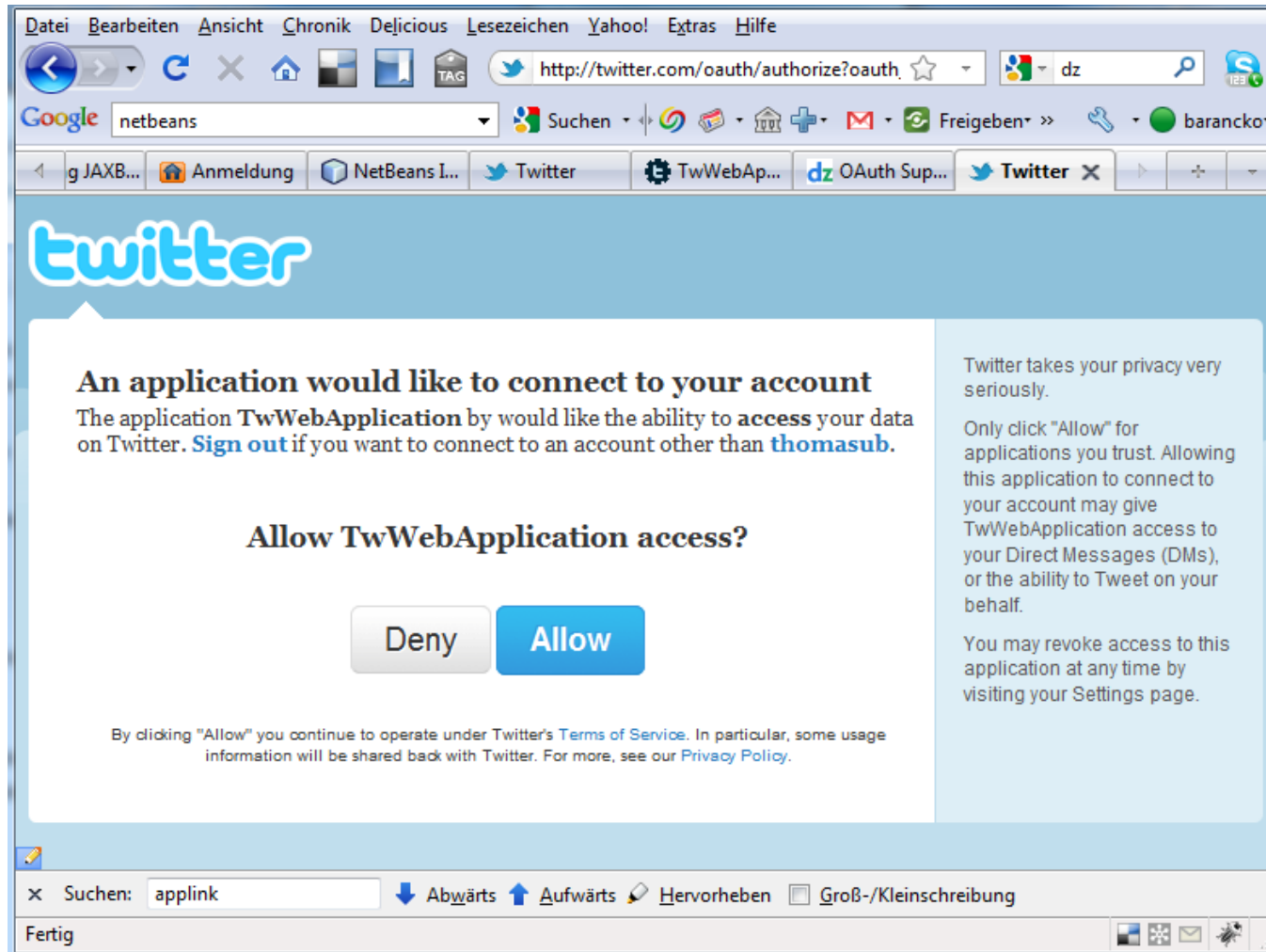
cameras

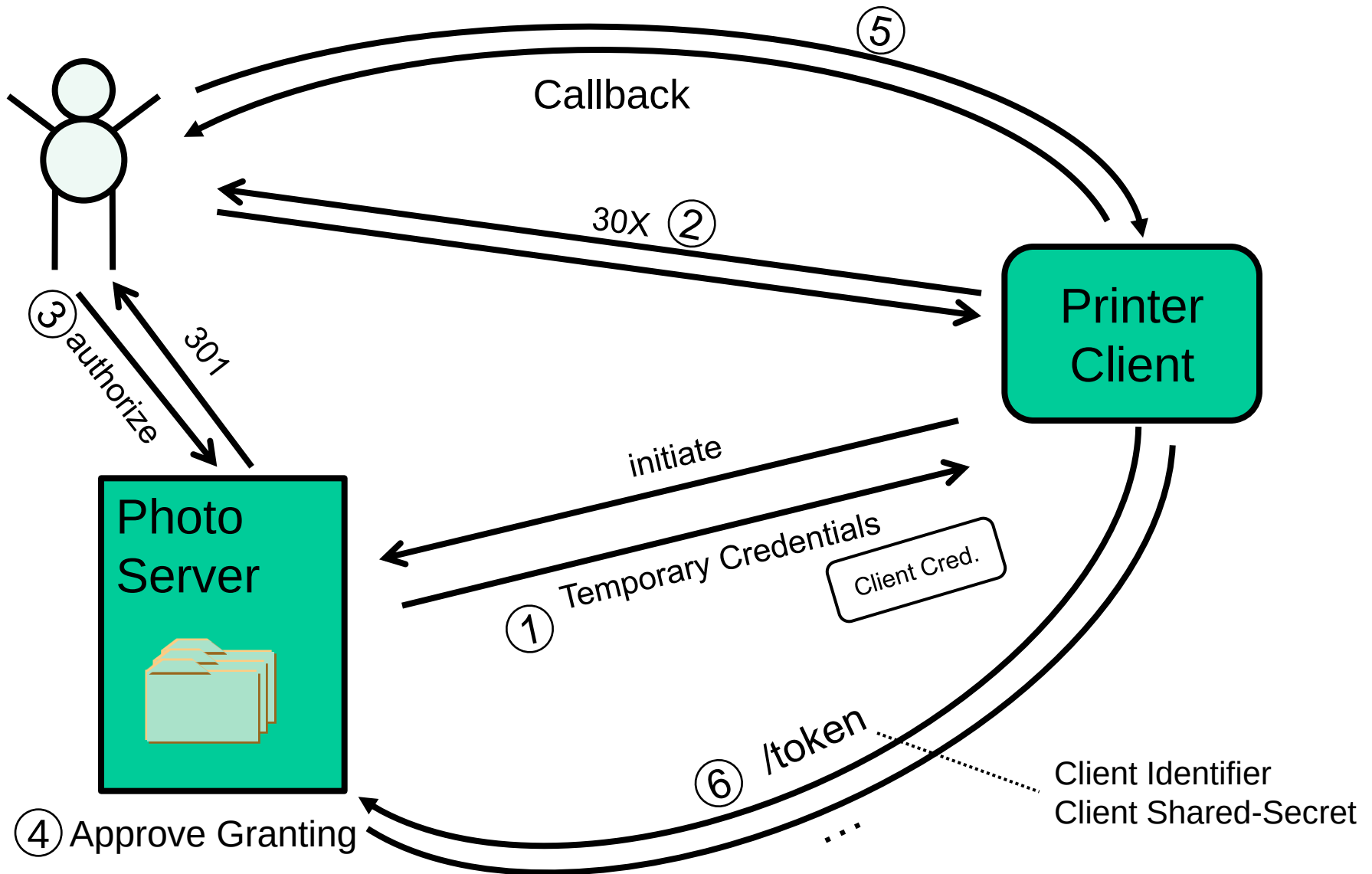
- [flickr.cameras.getBrandModels](#)
- [flickr.cameras.getBrands](#)

collections

berlin:flickr thomas\$ curl https://api.github.com/users/membrane

```
{
  "login": "membrane",
  "id": 1932933,
  "avatar_url":
"https://gravatar.com/avatar/ec905124a1af3292b1d9412938157060?d=https%3A%2F%
2Fidenticons.github.com%2F150d6f13bf408eb323275a03564b4621.png&r=x",
  "gravatar_id": "ec905124a1af3292b1d9412938157060",
  "url": "https://api.github.com/users/membrane",
  "html_url": "https://github.com/membrane",
  "followers_url": "https://api.github.com/users/membrane/followers",
  "gists_url": "https://api.github.com/users/membrane/gists{/gist_id}",
  "starred_url":
"https://api.github.com/users/membrane/starred{/owner}/{/repo}",
  "subscriptions_url":
"https://api.github.com/users/membrane/subscriptions",
  "organizations_url": "https://api.github.com/users/membrane/orgs",
  "repos_url": "https://api.github.com/users/membrane/repos",
  "events_url": "https://api.github.com/users/membrane/events{/privacy}",
  "received_events_url":
"https://api.github.com/users/membrane/received_events",
  "type": "Organization",
  "name": "Thomas Bayer",
  "blog": "predic8.de",
  "location": "Bonn, Germany",
  "public_repos": 5,
  "created_at": "2012-07-06T15:25:40Z",
  "updated_at": "2013-12-16T10:17:28Z",
  "public_gists": 0
}
```



My Recipes

Personal

Shared

Favorites

1 Personal Recipes, 1 turned on

Personal Recipes are a combination of a Trigger and an Action from your active Channels.

Create a Recipe

Filter ▾

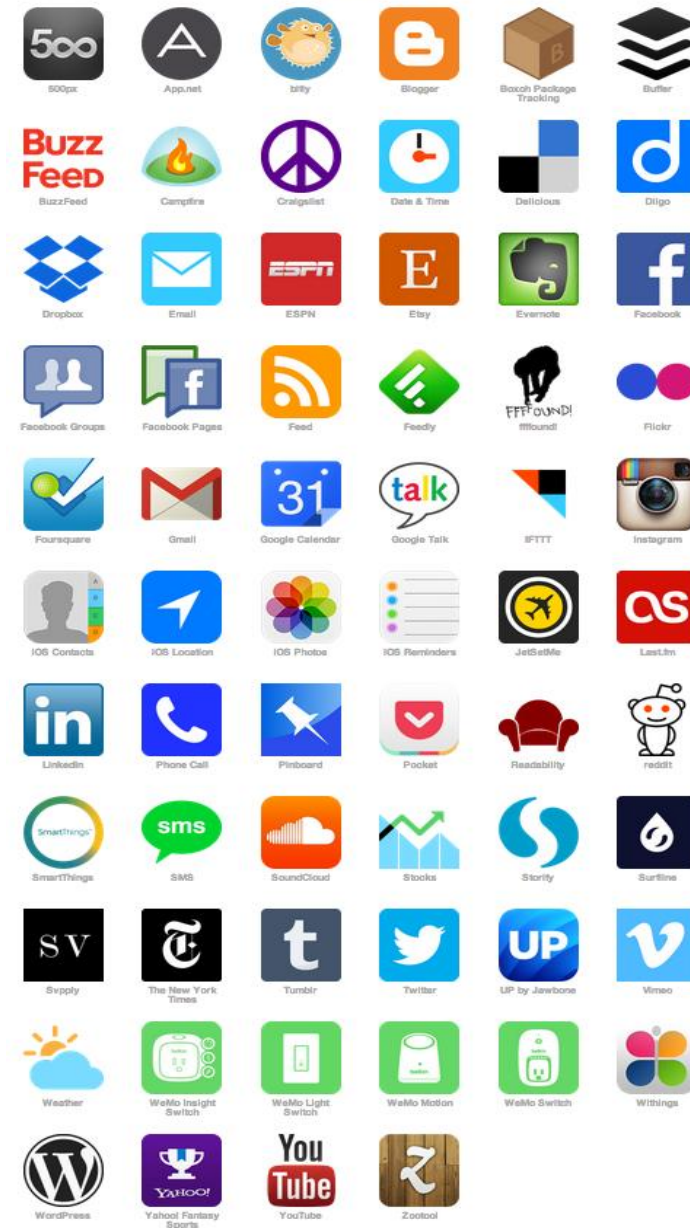
if  then 

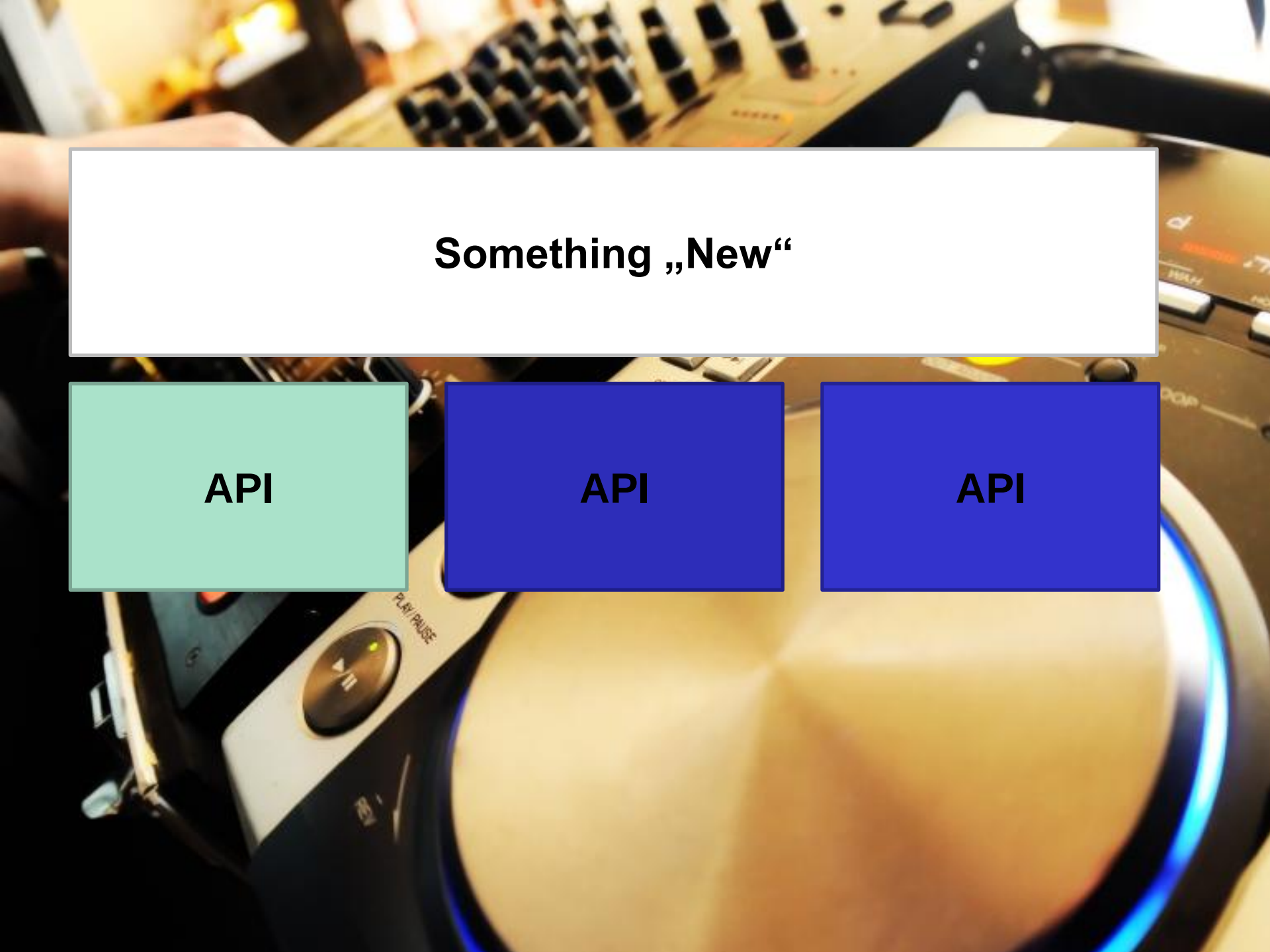
If Thomas Bayer is tagged in a photo, then send me an email at tbayer@web.de



created November 07, 2013
never triggered

Quick reminder: Personal Recipes are checked once every 15 minutes. When you turn a Recipe off then back on, it resets as if you had just created it.





Something „New“

API

API

API

Most Popular Mashups

Get Latest Mashups

Promote Your API on Pro

All
mapping (2736)
deadpool (1388)
search (1079)
social (1046)
shopping (792)
photo (790)
video (679)
travel (547)
music (540)
mobile (474)
messaging (442)
reference (405)
news (386)
visualization (339)
fun (325)
telephony (294)
sports (292)
realestate (252)
microblogging (251)
widgets (224)
[View as Tag Cloud]

Hide Filters 

Sort Name Date All Time Popular Recent Popular

APIs

Tags

Date All 

Type ☒ Mashups ☐ Source Code and Other Resources
☒ Any ☐ Mashup of the Day

Search

1 to 20 of 7278 mashups

Previous 1 2 3 4 ... Next

Name.	Description	APIs
	Vatsim Flight Tracker Masup of VATSIM and Google maps to make virtual flight tracker.	GoogleMaps Rating: 4.6 Visits: 57093
	DUI Map DUIMap.org is Google map based a heat map showing concentrations ...	MapLarge, GoogleMapsFlash Rating: 4.3 Visits: 57015

API Business Mode x Präparatauswahl x GWT widget develc x index.html x Membrane Service x Apps by baranco1 x

file:///Users/thomas/Documents/work/javascript/flickr/www/index.html

Von wo bin ich?

Search: Guido



Elements Resources Network Sources Timeline Profiles Audits Console

Name Path	Server	Timeline
☐ name.groovy?name=Guido localhost/restnames	Apache-Coyote/1.1	1.00 s
☐ ?method=flickr.photos.search&api_key=3d4edadfb... api.flickr.com/services/rest	ATS/4.0.2	1.50 s
☐ ?method=flickr.photos.getSizes&api_key=3d4edad... api.flickr.com/services/rest	ATS/4.0.2	2.00 s
☐ ?method=flickr.photos.getSizes&api_key=3d4edad... api.flickr.com/services/rest	ATS/4.0.2	2.00 s
☐ ?method=flickr.photos.getSizes&api_key=3d4edad... api.flickr.com/services/rest	ATS/4.0.2	2.00 s
☐ ?method=flickr.photos.getSizes&api_key=3d4edad... api.flickr.com/services/rest	ATS/4.0.2	2.00 s
☐ ?method=flickr.photos.getSizes&api_key=3d4edad... api.flickr.com/services/rest	ATS/4.0.2	2.00 s
☐ ?method=flickr.photos.getSizes&api_key=3d4edad... api.flickr.com/services/rest	ATS/4.0.2	2.00 s

8 requests | 12.0 KB transferred

All Documents Stylesheets Images Scripts XHR Fonts WebSockets Other

iStock_00003041922....jpg iStock_00002467845....zip iStock_00003052852....jpg iStock_00002963804....jpg

Alle einblenden x

```
showImages = function() {

$.get("http://localhost:2001/restnames/name.groovy?name=" +
    $("#vorname").text(), function ( xml) {
        var land =
$.find("country").eq(0).text();
        console.log( $("#vorname").text() +
" aus " + land);
        updateFotos(land);
    });
};
```

```

updateFotos = function( land) {
    console.log("uf");

    $('#bilder').empty();

    $.get(
"http://api.flickr.com/services/rest/?method=flickr.photos.search&api_key=3d4edadfb41e4d7a
5e794ee03b2ccefc&format=json&nojsoncallback=1&text=" + land, function( res ) {

        _.each( res.photos.photo.splice(0,6), function(photo) {

            $.get("http://api.flickr.com/services/rest/?method=flickr.photos.getSizes&api_ke
y=3d4edadfb41e4d7a5e794ee03b2ccefc&photo_id=" + photo.id + "&format=json&nojsoncallback=1",
function( res) {

                var size = _.find( res.sizes.size,

                    function(size){

                        return size.label == "Large

Square";

                    });

                $('#bilder').append('<li></img></li>');

            });

        });

    });
}

```

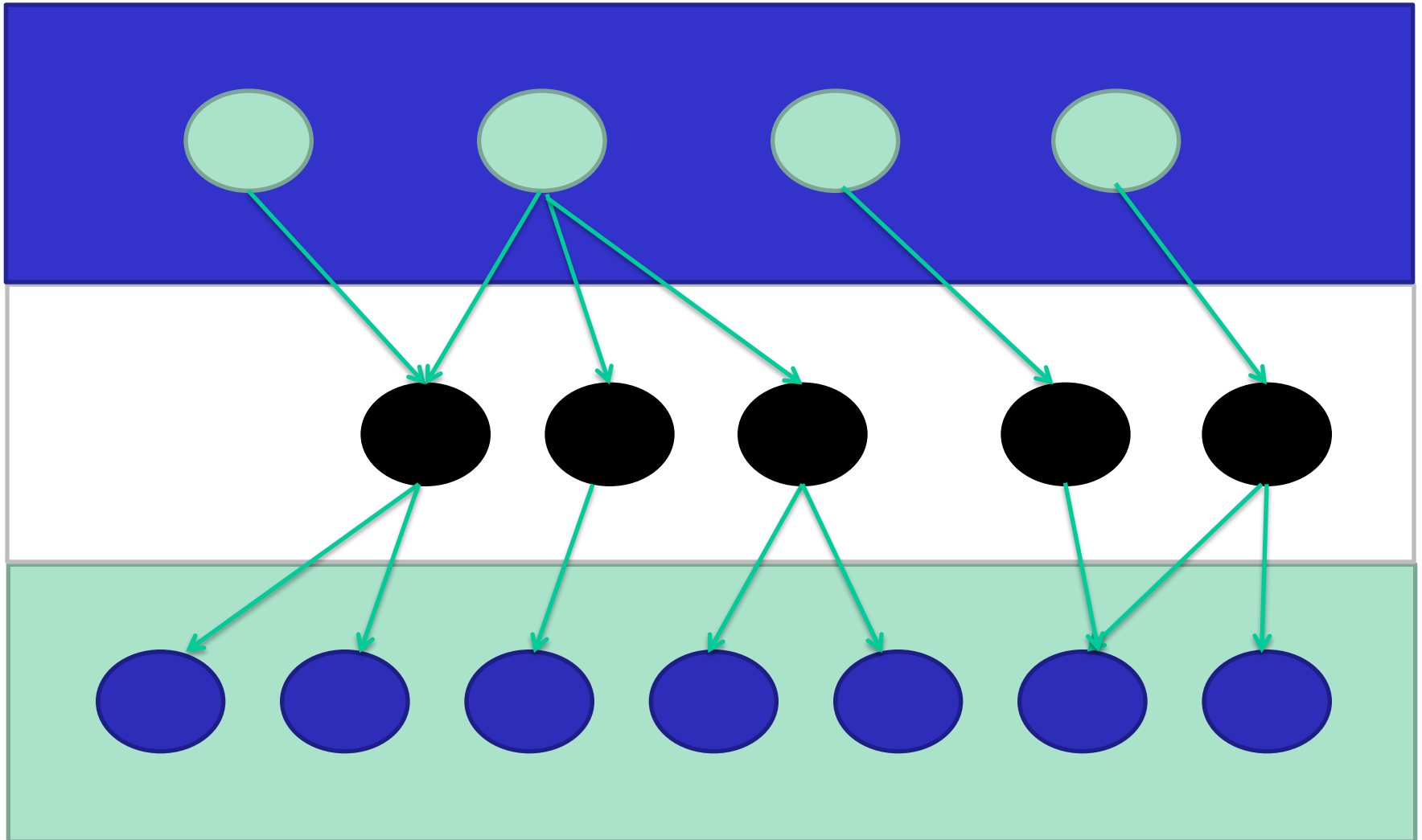


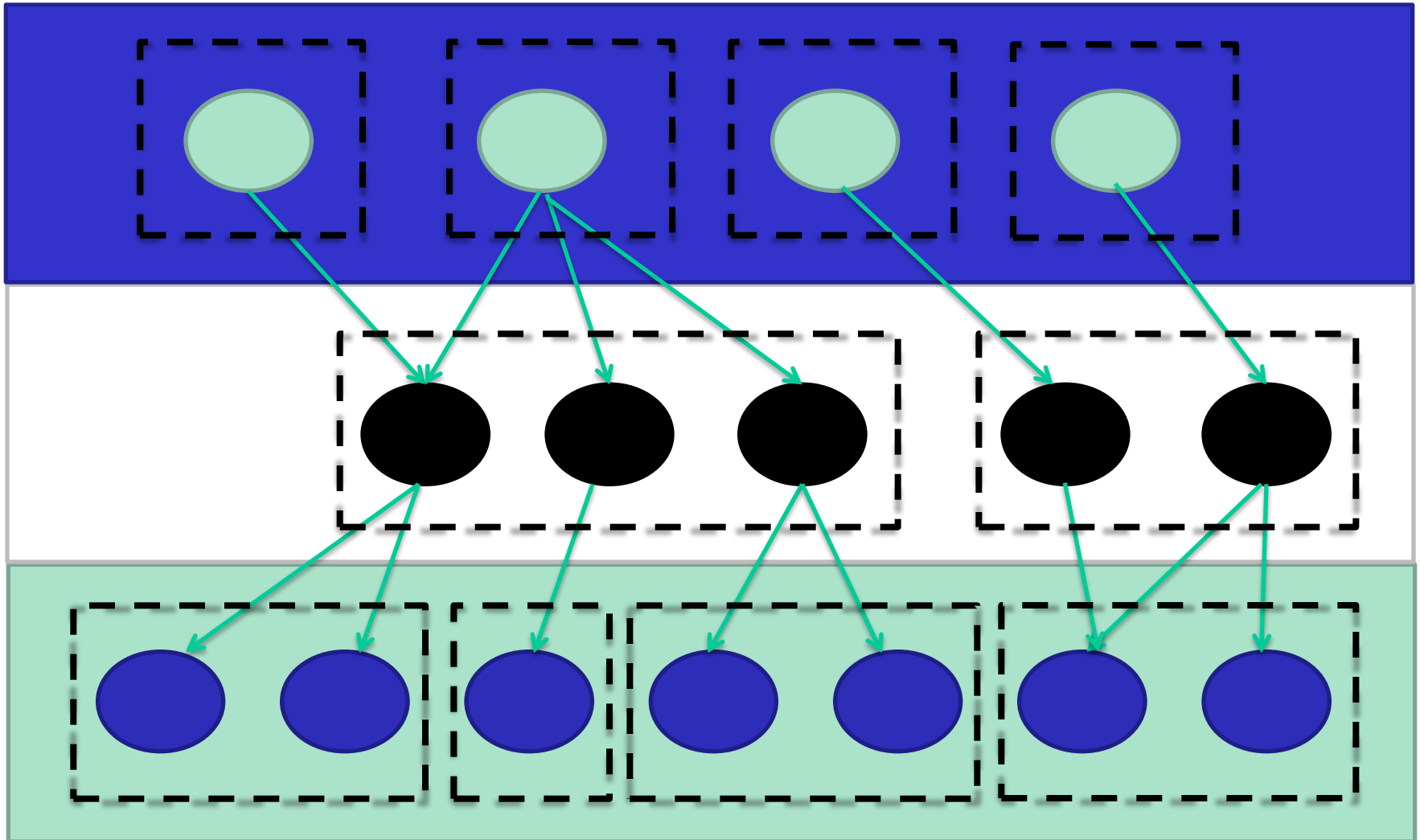
```
<serviceProxy port="2001" name="tb.com Access-Control">
  <response>
    <groovy>
      exc.response.header.add("Access-Control-Allow-Origin","*");
    </groovy>
  </response>
  <target host="thomas-bayer.com"/>
</serviceProxy>
```

land = \$(xml).find("country").eq(0).text

Was brauche ich um APIs zu nutzen

Organisation





A photograph of a red running track with white lane markings. A hurdle is positioned on the track, and a grassy field is visible in the background.

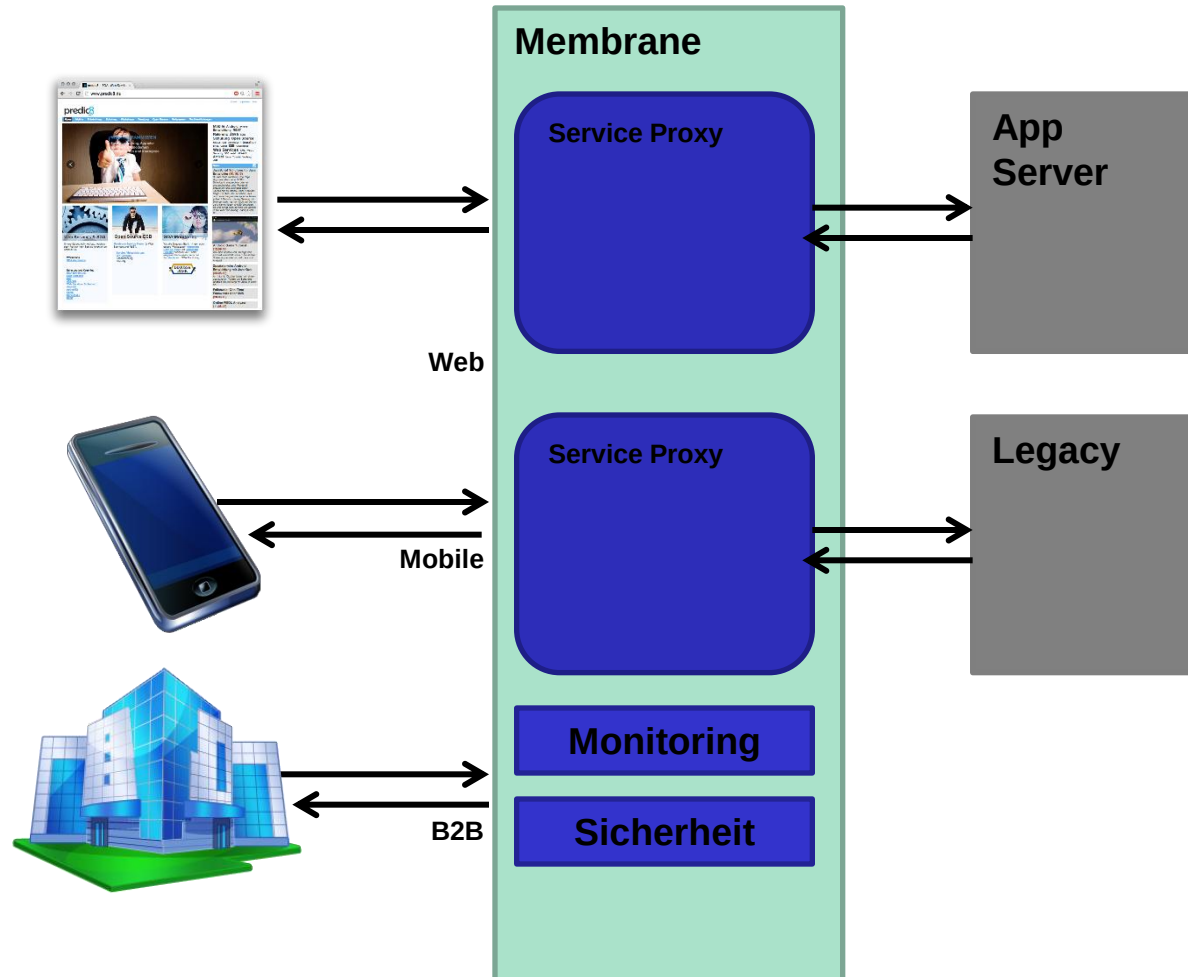
Technologie Vielfalt

Oauth, API Key

Keine Beispiele, Bibliotheken, Dokumentation

Was brauche ich um APIs anzubieten

Developer Portal



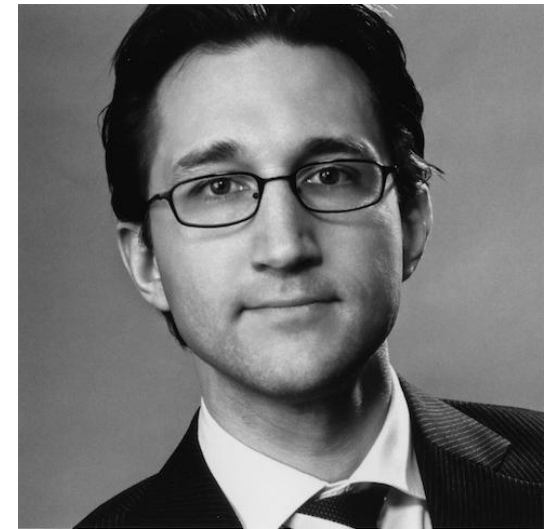


Thomas Bayer

Coder

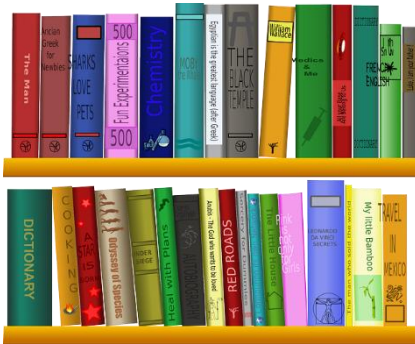
Twitter: @thomasub
G+: Thomas Bayer
Xing: Thomas_Bayer9
bayer@predic8.de

Schwerpunkte
REST
SOA
Mobile





<http://office.microsoft.com/de-de/images/results.aspx?qu=insel&queryid=663aad14-262a-427e-8894-d8ec7c28a53b#ai:MC900441706>



<http://pixabay.com/de/regal-b%C3%BCcher-bibliothek-lesung-159852/>



<http://pixabay.com/de/hintergrund-schwarz-kabel-isoliert-89045/>



<http://deutsch.istockphoto.com/stock-photo-12414737-leaking-glue.php>

Autor: sb-borg



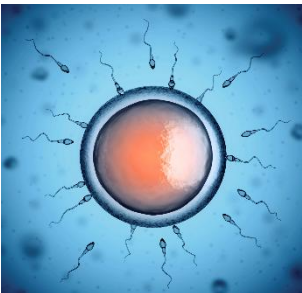
<http://deutsch.istockphoto.com/stock-photo-4227496-water-loss-concept.php>

Autor: Photoslash



<http://deutsch.istockphoto.com/stock-photo-2306228-running-creek.php>

Autor: nyul



<http://deutsch.istockphoto.com/stock-photo-30419222-sperm-and-egg-cell.php>

Autor: koya79



<http://deutsch.istockphoto.com/stock-photo-729412-moneygeneric01.php>

Autor: LuMaxArt



<http://deutsch.istockphoto.com/stock-photo-13230364-dj-mixer.php>

Autor: NejroN



<http://deutsch.istockphoto.com/stock-photo-12737498-hurdle-on-running-track.php>

Autor: JanetLa



<http://deutsch.istockphoto.com/stock-photo-5946903-nerdy-pals.php>

Autor: ThomasTroy