



Discover
a new world at home.

Big Tech Day 2014

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- twitter: @yetuAG, @jacobfahrenkrug



Agenda

- Welcome
- Introduction
- A smart world
- Open Standards
- Demo

A smart world



A smart world



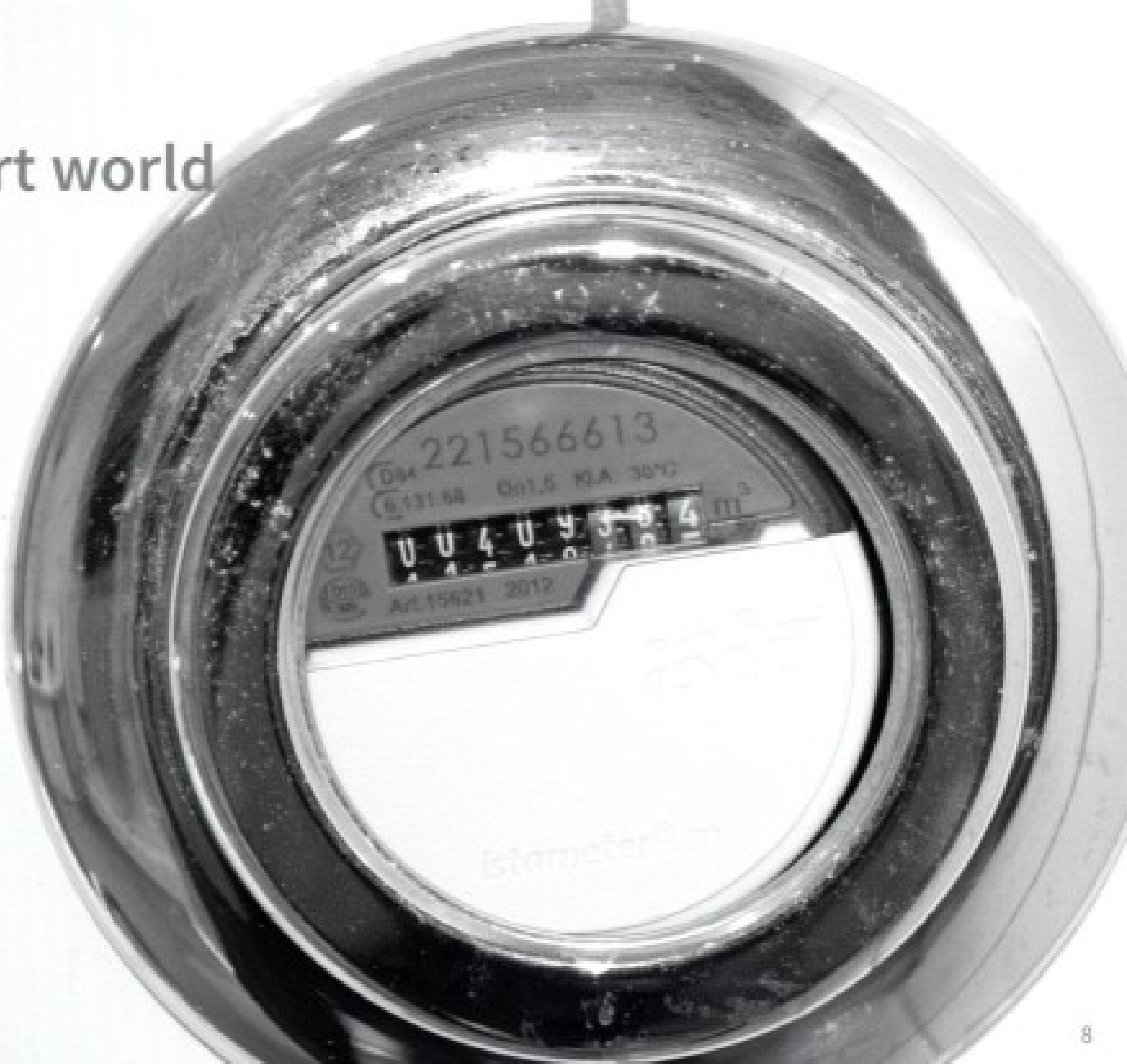
A smart world



A smart world



A smart world



A smart world



Standards and Products



ZigBee[®]

netatmo



Bluetooth[®]



SONOS




Using
technology
at home
is not always
that simple.



We connect
everything
by just one
piece of
hardware.

Enable Standards



A man with dark hair and glasses, wearing a white button-down shirt over a mustard-colored t-shirt, is seated at a white desk. He is focused on a silver laptop, with his hands on the keyboard. The background shows a white wall with a grid pattern and several orange and green sticky notes pinned to it. The lighting is bright and even.

Enable Standards

For
Web-Developers





- Pages
- SPACE SHORTCUTS
- Retrospectives
- PAGE TREE
 - Team processes
 - Household Service API
 - Service document / starting point
 - Gateway
 - Device discovery
 - Devices
 - Device

Service document / starting point

Created by Poojan Patel, last modified yesterday at 5:26 PM

For a user of the API, the starting point is the /households/self endpoint, which redirects to the authenticated household. Currently, authentication is not yet implemented and it redirects to a hard-coded household instead.

The representation of the authenticated household acts as a service document for the household service API, as it provides links to representations of other household, in particular its devices and the gateway of the household.

A representation of the household looks like this (example):

```
{
  "class": ["household"],
  "properties": {
    "household_id": "4711"
  },
  "entities": [
    {
      "class": ["gateway"],
      "rel": ["http://developer.yetu.com/rels/gateway"],
      "href": "http://api.yetu.com/households/4711/gateway"
    }
  ]
}
```


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 - Technical Debts / Request
 - Development Infrastructure
 - Testing our Software and Hi
 - Hardware Inventory

resources related to that household, in particular its devices and the gateway of the household.

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      "href": "http://api.yetu.com/households/4711/gateway"
    },
    {
      "class": ["devices", "collection"],
      "rel": ["http://developer.yetu.com/rels/devices"],
      "href": "http://api.yetu.com/households/4711/devices"
    }
  ],
  "links": [
    { "rel": ["self"], "href": "http://api.yetu.com/households/4711" }
  ]
}
```

Properties

household_id

The unique identity of the household. Not to be used for making assumptions about any URIs of resources provided by the API.

Sub Entities

Two entities in the household representation are relevant for clients:

<http://developer.yetu.com/rels/gateway>

This link relation is used to mark the Siren sub-entity of the household that represents a gateway of a household.

<http://developer.yetu.com/rels/devices>



Gateway & Infrastructure

Pages

SPACE SHORTCUTS

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    },
    {
      "class": ["devices", "collection"],
      "rel": ["http://developer.yetu.com/rels/devices"],
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    }
  ],
  "links": [
    { "rel": ["self"], "href": "http://api.yetu.com/households/4711" }
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```



Pages

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The devices of a household, marked in the household representation with the <http://developer.yetu.com/rels/devices> relation. An example looks like this:

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{  
  "class": ["devices", "collection"],  
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    {  
      "class": ["device", "collection-item"],  
      "rel": ["http://developer.yetu.com/rels/device"],  
      "href": "http://api.yetu.com/households/4711/devices/1234"  
    },  
    {  
      "class": ["device", "collection-item"],  
      "rel": ["http://developer.yetu.com/rels/device"],  
      "href": "http://api.yetu.com/households/4711/devices/5678"  
    },  
    {  
      "class": ["device", "collection-item"],  
      "rel": ["http://developer.yetu.com/rels/device"],  
      "href": "http://api.yetu.com/households/4711/devices/9012"  
    }  
  ],  
  "links": [  
    {  
      "rel": ["http://developer.yetu.com/rels/devices"],  
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    }  
  ]  
}
```

Hint: double-click to select code

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```

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Device

Created by Pooran Patel, last modified yesterday at 5:39 PM

Representation of a single device, marked in a devices collection using the <http://developer.yetu.com/rels/device> link relation. An example:

```
{
  "class": ["device", "heating_valve"],
  "entities": [
    {
      "class": ["device-properties"],
      "rel": ["http://yetu.com/rels/device-properties"],
      "href": "http://api.yetu.com/households/4711/devices/1234"
    }
  ],
  "actions": [
    {
      "name": "set-display_name",
      "href": "http://api.yetu.com/households/4711/devices/1234",
      "method": "PUT",
      "type": "application/json",
      "fields": [{"name": "value", "type": "text"}]
```

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  },
  {
    "name": "set-set_temperature",
    "href": "http://api.yetu.com/households/4711/devices/1234",
    "method": "PUT",
    "type": "application/json",
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Hint: double-click to select code

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```


Search  6



Discover a new

Energy

3.88 ^{low}



AirControl

heating



22 °C



UKIP vote surges in local elections



Militär und Polizei an der Macht



Find

Energy

Rosa Kohl Log out



Energy

- Energy Consumption
- Savel
- Device Training

Active Today Week Month Year

Daily consumption

05/08/2014



Current power usage

64.0 live Watt

Feedback



Data analysis
We're currently analysing energy consumption for qualified feedback.

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Energy

Active Today Week Month Year

Web Euro

Daily consumption

05/03/2014 05/03/2014



Current power usage

63.0 live Watt

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Energy

Active Today Week Month Year

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Daily consumption

05/23/2014 05/22/2014



Current power usage

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Current power usage

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Current power usage

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Data analysis
We're currently analysing your energy consumption for qualified feedback.

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Energy

Active Today Week Month Year Web Euro

Today: 12 devices

beta

You Others



Consumption today

2.1 kWh

Feedback



Data analysis

We're currently analyzing your energy consumption for qualified feedback.



AirControl

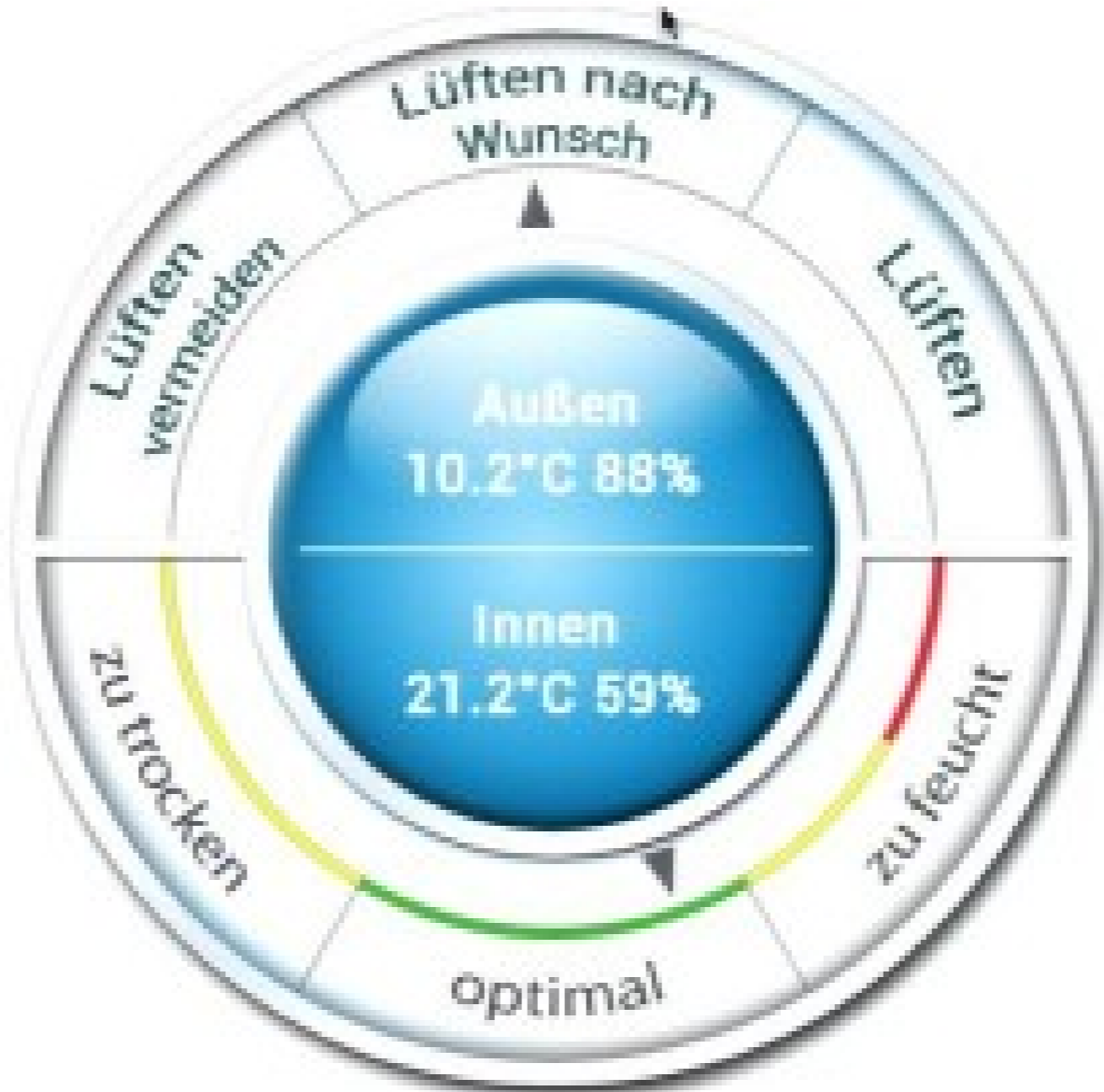


DamoOne Solutions GmbH & Co KG

AirControl

DemoOne AirControl

- Bad 
- Wohnzimmer 
- Kinderzimmer 
- Schlafzimmer 
- Küche 
- Gästezimmer 



Search  6



Energy

3.88 ^{kWh}



heating

22 °C

BBC

UKIP vote surges in local elections



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ebay

Find

Search  6



Energy
3.88 kWh



heating
22°C

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Find

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Energy
3.88 ^{kWh}



heating
22 °C

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Find

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Energy
3.88 ^{kWh}



heating

22°C

22°C


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Find

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Energy

3.88 ^{kWh}



heating



22 °C



UKIP vote surges in local elections

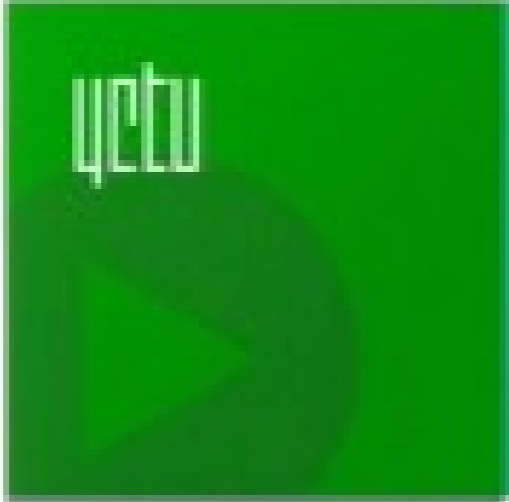


Militär und Polizei an der Macht.



Find

Search  6



Energy
3.88 kWh




heating
22°C

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Energy

3.88 ^{MWh}



heating

22 °C

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Energy

3.88 kWh

amazon



heating

22°C

BBC

UKIP vote surges in local elections



Militär und Polizei an der Macht.

ebay

Find

A man with dark hair and glasses, wearing a white button-down shirt over a mustard-colored t-shirt, is seated at a white desk. He is focused on a silver laptop, with his hands on the keyboard. The background shows a white wall with a grid pattern and several orange and green sticky notes pinned to it. The lighting is bright and even.

Enable Standards

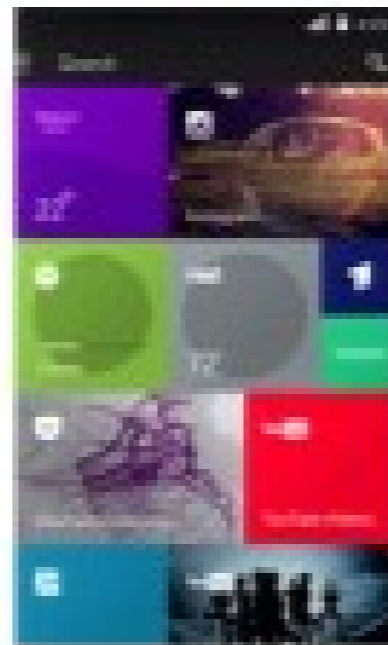
For
Web-Developers

On Any Screen or Operating System.

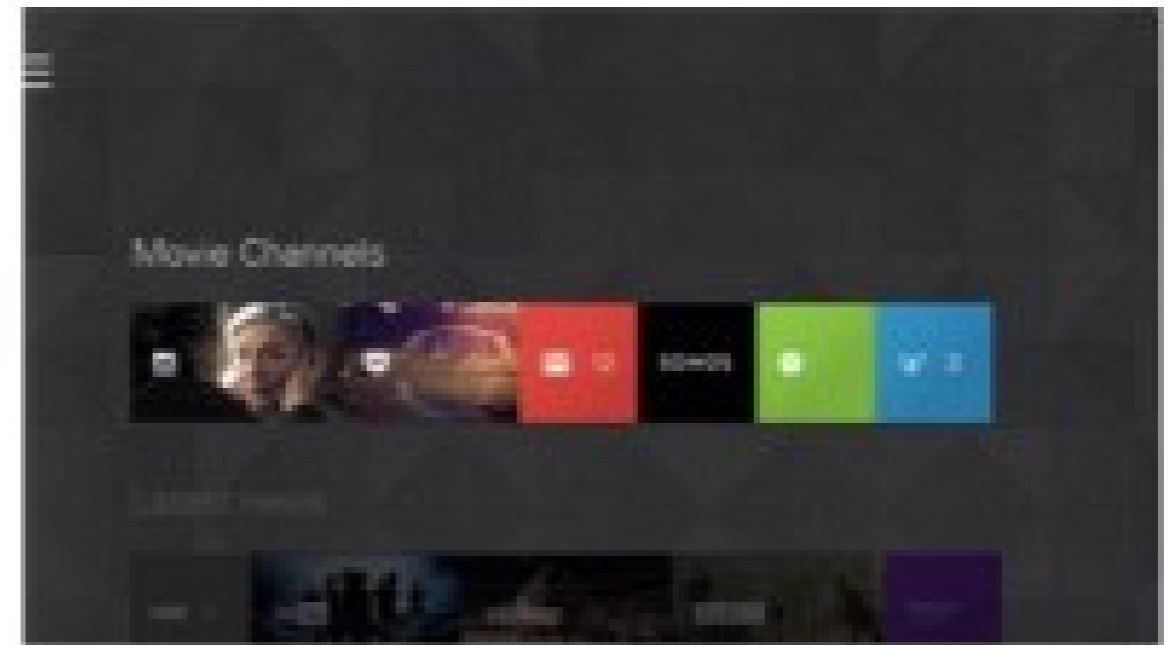
Desktop



Smartphone



TV



Discover
a new world at home.

