SSL Reloaded (SSLR) Visit Vestiacom - 17.09.2013

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TOPICS

Company Presentation Vestiacom

Staff working on SSLR

Demo - Milestone 1

SSLR Overview (Scope / Approach / Timeline / Milestones / Organization)

SSLR in depth (optional)

STAFF WORKING ON SSLR



ABOUT SSLR

SSLR is a new product category which empowers our customers to «keep an eye on what matters» – This is what matters to customers.

It's a combination of devices, mobile app and a cloud based service.

It consists of several interconnected devices like cameras, plugs & a unique multi-sensor-button. These can be combined and set up as desired.

It's part of a gateway ecosystem (not technically but marketing-wise).

Devices can be combined to scenes with unique properties, such as "Alarm System" or even "baby-phone". Users enjoy a great freedom when it comes to setting up the devices.

Users control their devices by a smartphone app and set up simple IFTTT style rules – e.g. «If camera detects movement recording is triggered and plug "Living room" is set to OFF».

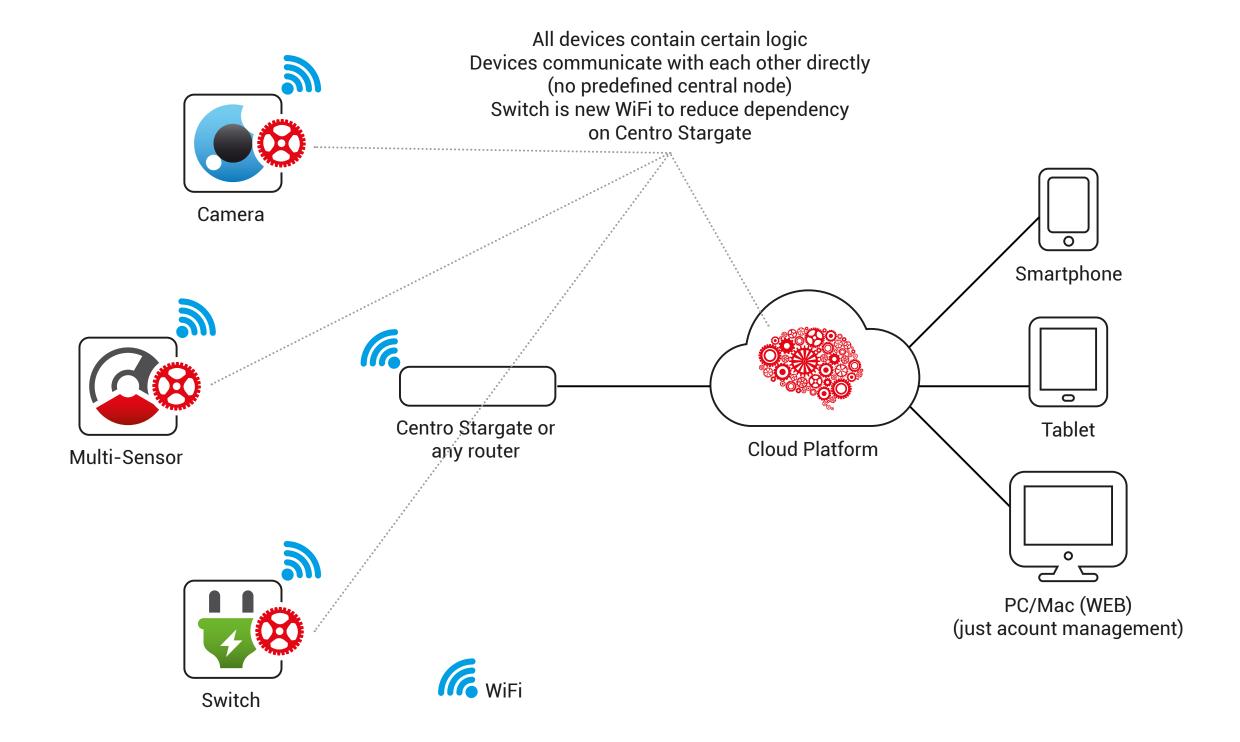
ABOUT US

Agile Pragmatic
Agile Track-Record 45
Entrepreneurs 55 Focussed
Lean Trust

SIMPLICITY (AND GREAT CUSTOMER EXPERIENCE)

| before buying | buying | installation | usage | get help |
|---|-----------------------|---|---|---------------------------------------|
| . Clear value proposition . Communicate emotional | . Simple online-store | . Simple registration process | . Hide everything which is not in focus | . Clever integration of help and tips |
| apps (use-cases) | | . WIFI integration with two buttons presses | . Focus on daily usage – make it obvious but | . Help within 8 hours |
| . Simple and affordable devices | | . Connected devices pop- up automatically in smartphone App | surprise | |
| | | . Configuring a device requires minimal input - just name and app | | |

SCOPE / CONCEPT

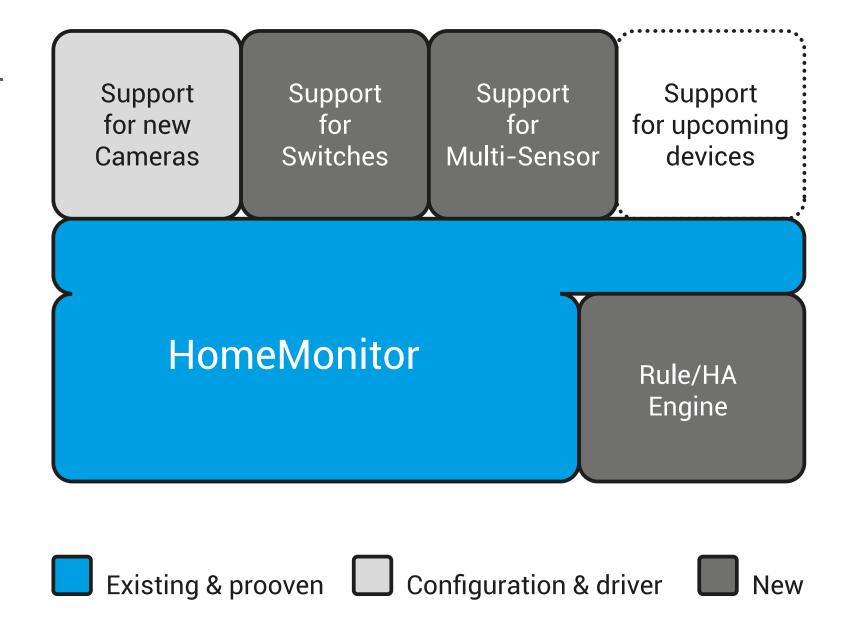


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CLOUD / HOMEMONITOR

HomeMonitor gives a head-start with ...

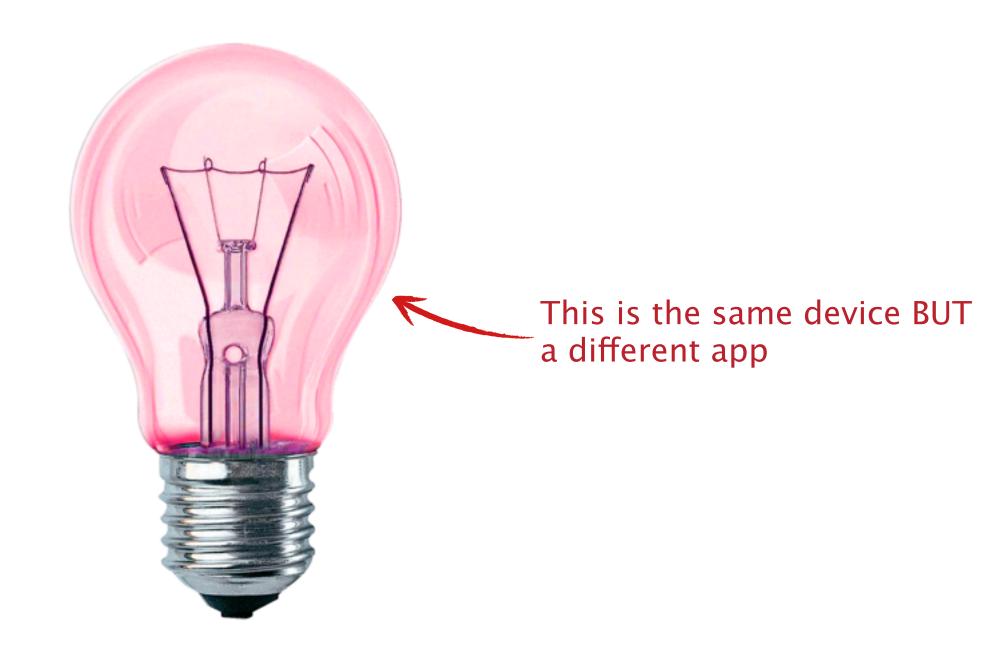
- IP Camera integration
- Reliable connectivity from anywhere
- Scalability
- Security
- DB
- REST APIs
- User/Account Management
- Sharing
- Admin GUI
- Logging
- more



DEVICES & APPS



DEVICES & APPS



DEVICES & APPS



Devices can "run" different apps (act different) – but only one@time.

APP - THE PARTS

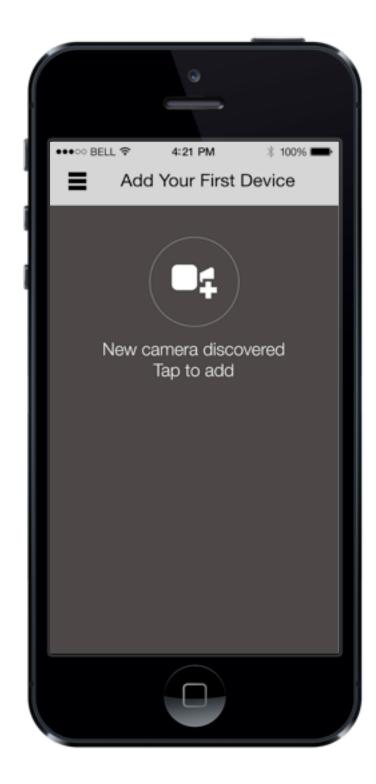


IFTTT Rules (multiple per Application)

Device Settings

Application Logic

APP - CONFIGURATION









THE APPS (INITIAL IDEAS)













Surveillance



Baby-phone



Care



Alarm Clock





Presence



Alarm

| Surveillance | Baby-phone |
|--|--|
| Customer gets a push notification if motion or noise is detected. Video of the event will be stored in the cloud | Customer gets a push notification if noise is detected and increasing. |

| Customer gets |
|------------------|
| a push |
| notification if |
| motion, noise, |
| jump of |
| temperature or |
| humidity is |
| detected. |
| Audi track of |
| the event will |
| be stored in the |

cloud

Customer gets a push notification if noise is detected and increasing.

Customer gets a push notification if no motion or noise after a certain time within a timeframe is detected.

Customer gets a softer "good morning". The device scans activity and simulates a sunrise before the time to wakeup.

The motion/ audio/ brightness sensors trigger other devices/ actions.

Automation

The device is randomly switched on and off to simulate that someone is at home.

Customer gets a push notification if high consumption or turn on/off is detected.

SECURITY

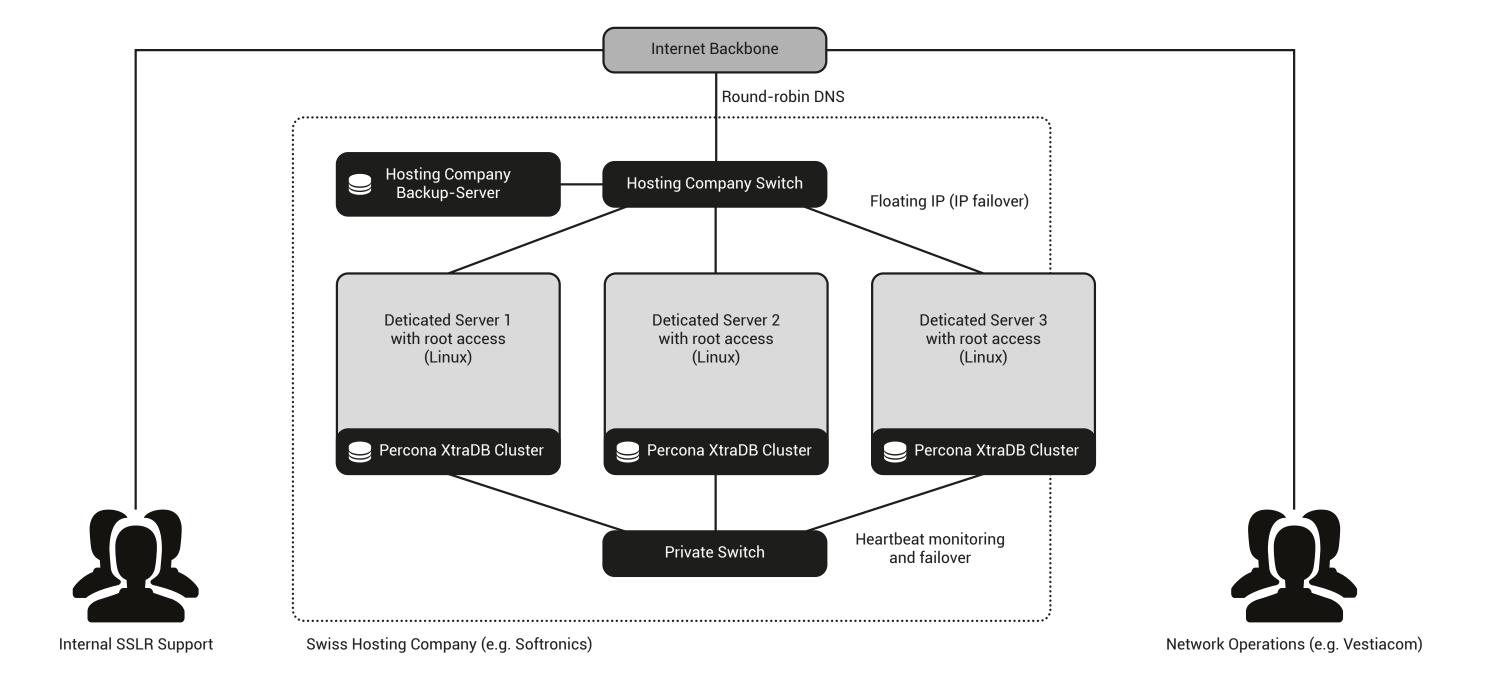
General

- Remote NAS shares the same concept for securing the data exchange (over the internet) between the devices and clients. Remote NAS will be deployed in Stargate and is currently being security audited by Protect7
- Security Audit planned

| Stream | Recordings | Local Access | Passwords | Server Access |
|--|--|--|---|-------------------------|
| . encrypted using either HTTPS or AES128 + ECC-DH key exchange + ECCDSA signature | encrypted keys stored in DB + hardcoded in the server app not visible for Admin (& Super-Admin) | . Video stream only available if logged in to the server | . Camera – random algorithm . User – as strong as he/she defines it (PW requirements – 8 chars with at least one capital letter, on number and one special character) | . Following OWASP guide |
| Risks | | | | |
| | . Disk swap @ hosting company + significant reverse engineering effort | | | |

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OPERATIONS



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PLANNED MILESTONES

| Demo | Demo | Demo | Demo | | |
|---|---|---|---|---|-----------------------|
| 14.09.2013 Milestone 1 (version 0.6) | 06.10.2013 Milestone 2 (version 0.7) | 19.11.2013 Milestone 3 (version 0.8) | 01.02.2014 Milestone 4 (version 1.0 RC1) | 24.01.2014 Delivery of fully QA'd release (version 1.0 RC2) | Delayed/ Postponed |
| Camera live monitoring Full support for Compro cameras (including 2-way audio) mobile app for iOS only (camera interaction only) Use cases create user account delete user account add Compro camera view live stream from camera with audio mute/un-mute audio control camera's pan/tilt talk to the camera request manual video recording playback of recorded videos | support for WIFI switch Use cases (+ all from ver. 0.7): add WIFI switch to the account (assign label and location) manual control of the switch (on/off) show switch current power consumption in Watt (if switch supports it) | support for WIFI AOB initial support for apps and rule engine scheduler initial Android app Use cases (+ all from ver. 0.8): add WIFI AoB to the account (assign label and location) manual control of AoB (RGB LED color, play sound) assign app(s) to switch, AoB and camera configure app for a device schedule switch change schedule app change schedule scene activation push notifications delivered to iOS app motion detection by | almost all working, but not fully QA'd left: admin IF changes, coupon management, server less operation Use cases (+ all from ver. 0.9): access/control devices locally (without server) register/login with Facebook see current weather info automatic update of FW of camera/AoB | . All – except delayed/postponed | |

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SSLR IN DEPTH (ON REQUEST)

Architecture / Scalability & Performance

GDC

Devices

Rule Engine (IFTTT)

User Experience / Mobile App

Other details

