



#httpslocal

HTTPS in Local Network



https://



http://
ws://



GONE GIRL



Secure Context

Non-Secure Context



http://
ws://



Secure Context

Secure Context...?



https://
wss://



Needs a valid certificate



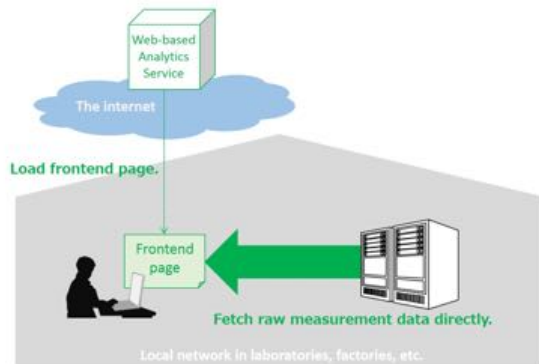
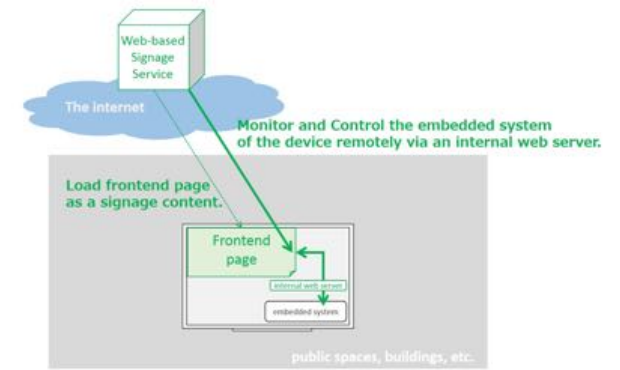
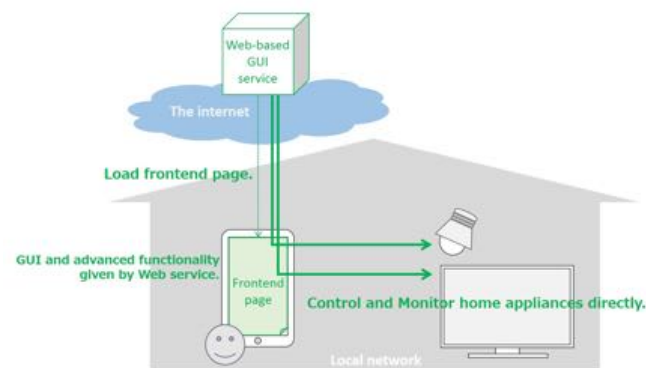
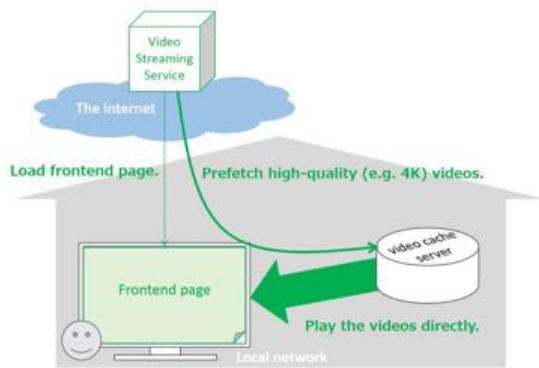
requires Domain Validation

How can we do for local network devices?

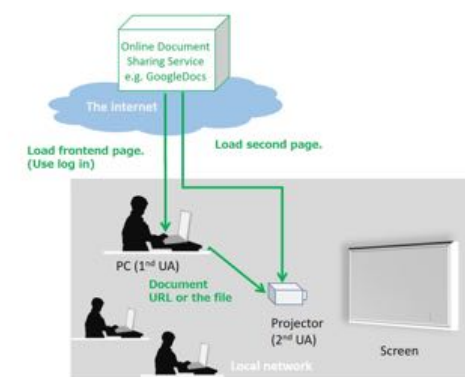
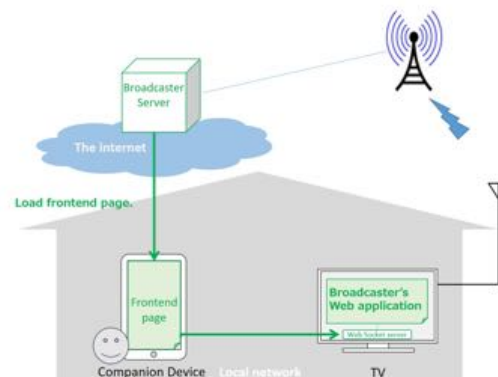
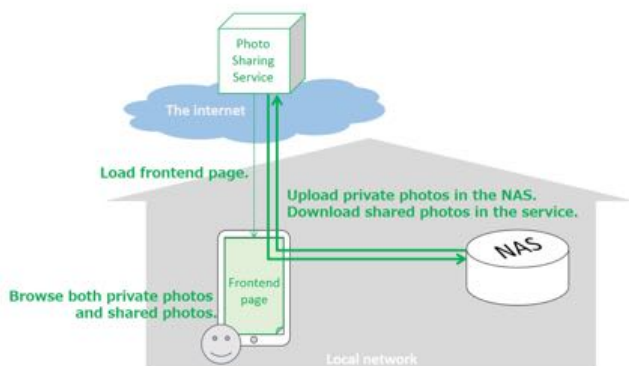
HTTPS in Local Network Community Group

<https://www.w3.org/community/httpslocal>

<https://github.com/httpslocal>



Use Cases









Functional Requirements

Device Discovery
Device Identification
Certificate Grant and Issuance
Certificate Management

Requirements

Non-Functional Requirements

Privacy and Security
User Experience



Web Server



Certificate Authority

Web
Application

Certificate Issuance
/ Management



User Agent

Device Discovery
/ Identification

Certificate Grant



Device

How can we provide the devices
with valid certificates?