# System Overview

e-vending

confidential

WEB-Interface Consumer

eCommerce Payment-Services

PayPal
VISA
creditcall

WEB
RED HAT OPENSHIFT Online Version 3
docker

Enterprise Application (Business logic)

BrowserInterface

HTTPS

WEB: Consumer/Operator
REST WS

Node.JS
Load Balancer
AngularJS V1.0
jQWidgets
URL: e-vending.net
(Cert. SwissSign)
RSA 4096bit

Wildfly 10.1
New Relic agent
Hazelcast Cache
Java EE8
REST WS
SOAP WS

WEB-Interface Operator / MIC

MDSmanager

MDSedit

HTTPS

ReaderInterface

App Stores

Google play
Available on the App Store

TicketGenInterface

amazon web services

RDS service PostgreSQL
Simple Notification Services
Simple Email Services
Simple Queue Services
CloudWatch

NFCgate

Media with UID
Static RFID

Writeable RFID-Media
U-KEY dynamic

Contactless Creditcard
Static RFID

MasterCard

Mobile-APP
NFC Dynamic (HCE)

Mobile-APP
Ticket based QR-Code

HTTPS

ISO 14443
ISO 15693 (G7)

MDB/EXE

WEB: Customer/Lic
SOAP WS
DB: Kunden/Lic
(HyperFileSQL)
NFCgate.com
(Cert. SwissSign
RSA 4096bit)

Proprietary
Application
with DLL e.g.
Cashier

CouponGenerator

DLL

Paper Payment -Ticket
Ticket based QR-Code

TicketGenInterface

Vending machine