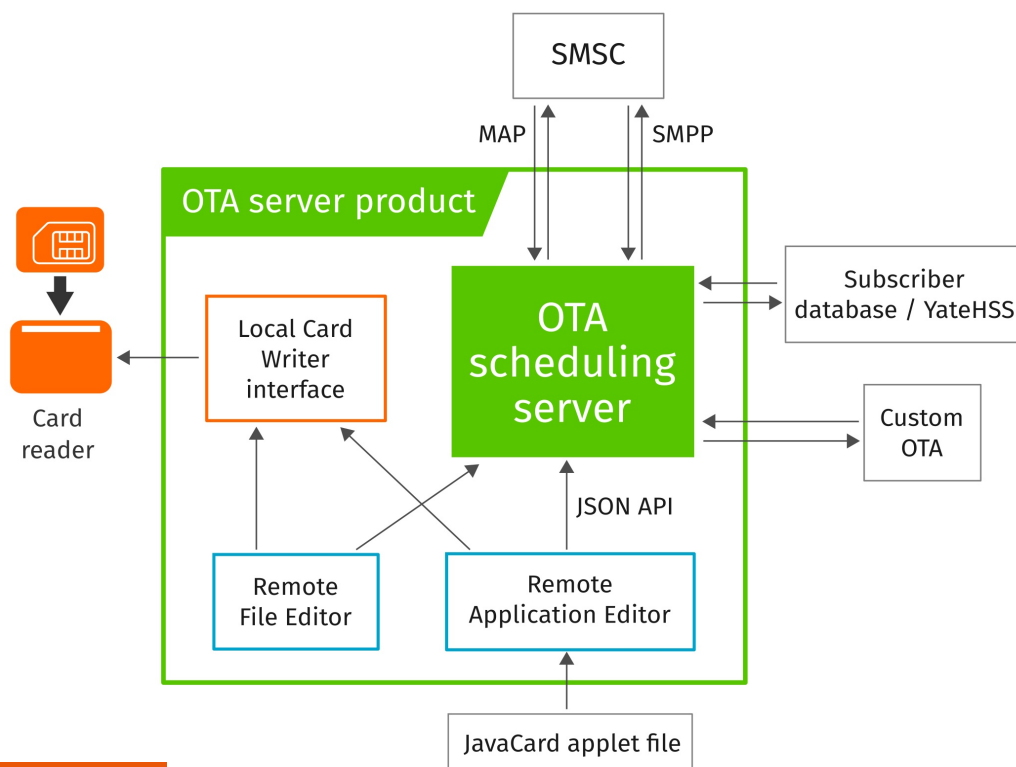


# YateOTA

Over The Air server for remote updates

YateOTA is a system that provides the functions required to update SIM and mobile devices configuration using Over-The-Air messages over SMS. It provides front-end, back-end and gateway functions to build SIM update campaigns and run them over a mobile network.



## Features

- ✓ Updates files on SIM via the standard RFM (Remote File Manager) application.
- ✓ Installs or updates Javacard applets via RAM (Remote Application Manager) application.
- ✓ Can OTA sign and deliver prebuilt data for custom applications.
- ✓ Builds OTA campaigns to update a large number of SIMs over time.
- ✓ Open web JSON API for OTA submission, configuration and control.
- ✓ Campaign building and management via a Web based interface.
- ✓ Web based profile scan and edit SIM cards inserted in a local or remote card reader.
- ✓ Fully implemented in software, can be run in a virtual machine in a datacenter facility or in cloud.
- ✓ Low deployment and per-subscriber cost.
- ✓ Uses SS7 MAP/SIGTRAN or SMPP interfaces to SMSC, optional JSON API to YateSMSC.
- ✓ Monitoring via SNMP, Zabbix or JSON API.

## Software specifications

Operating System	Linux based, 64 bit
SS7 interface	SIGTRAN M2PA or M3UA, SCTP/IP, ITU-T or ANSI SCCP
MAP protocol	ETSI MAP versions 1, 2 and 3
SMPP interface	SMPP version 3.4, TLS supported
CLI interface	Telnet protocol
SIM card protocol	GSM 03.48 Rel. 5.9, GlobalPlatform version 2.3
Local SIM card reader	PC/SC interface, delivered with ACR-39 USB card reader
JSON API	Over HTTP or HTTPS



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