DevSyncMan Wireless Cloud System for OEM/SoC
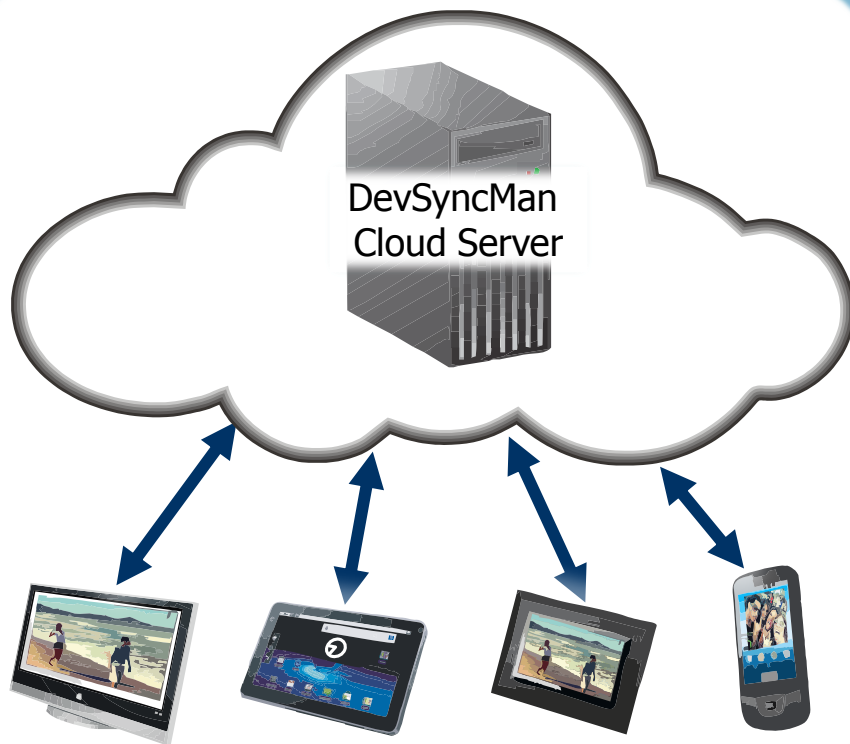
DevSyncMan Cloud Server

Presentation of the Winwap Cloud System for device manufacturers.

Complete System for adding cloud Services to connected devices.

Focusing on OEM Business

DevSyncMan Overview

- Wireless Cloud System service built on open source
- Add Cloud Service offering to connected devices, with minimal effort.
- Geographically distributed, scales to millions of connected devices
- Mobile network manufacturer and mobile operator approved

Winwap Technologies

Supported client platforms

- Android OS v2.2+ with or without SIM
- Windows Phone 7+ with or without SIM
- Windows 8 on ARM with or without SIM
- Symbian S60 3rd edition and all later versions
- RIM Blackberry OS 5.0 – 7.1
- Apple iOS 4+ (iPhone/iPad) with or without SIM

Winwap
Technologies

Features briefly: Cloud DM

- Device management:
  - Remote Lock/Unlock/Wipe
  - Remote Locating of devices (based on GPS or IP address, depends on device capabilities)
  - Force security policies on passwords, programs, connectivity, camera, etc.
  - Configuration & System Update OTA
  - Application management
  - Remote device diagnostics
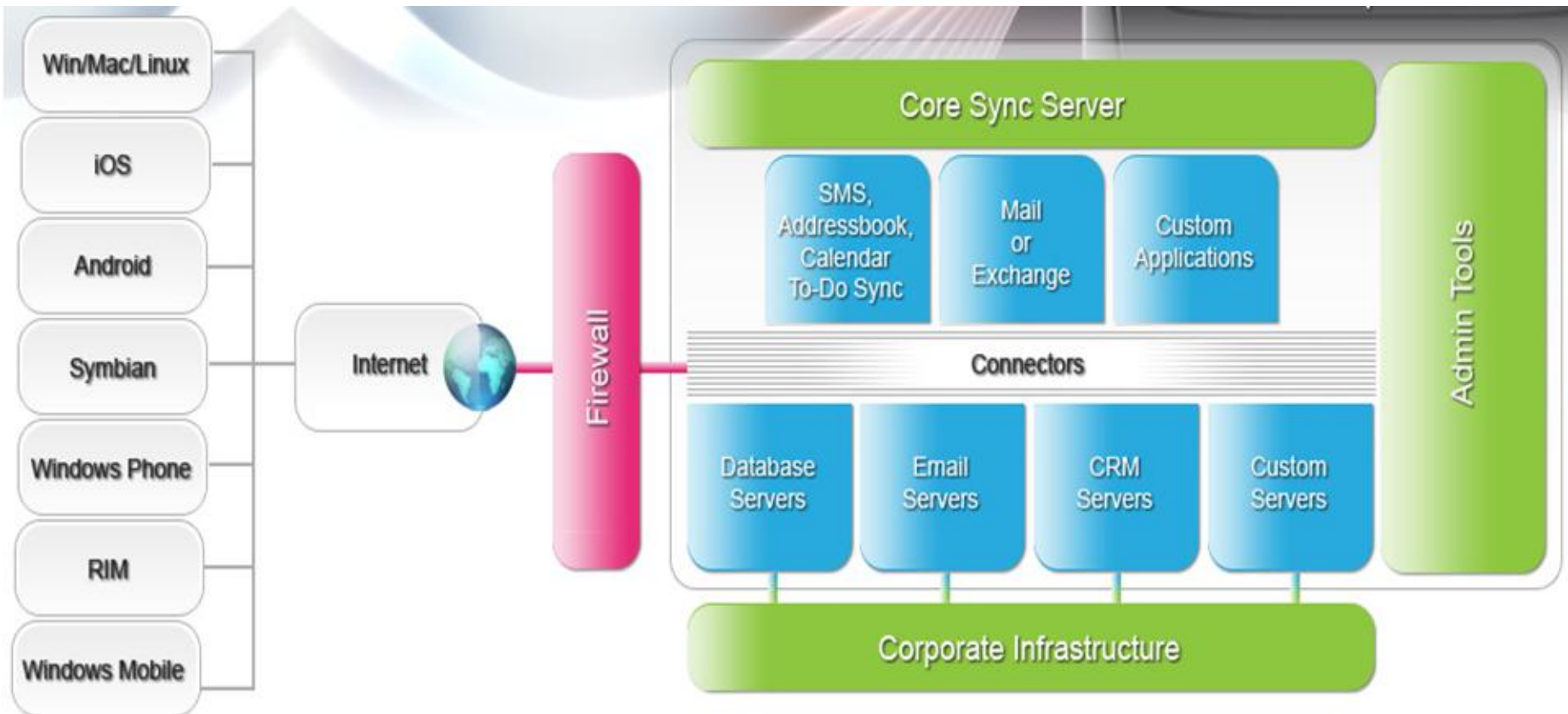
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Features briefly: Cloud DS

- Data synchronization to the cloud:
  - <u>ANY</u> special data (including: Settings, Pictures, Files etc.). Your imagination is the limit.
  - Typically these are synchronized at least:
    - Contacts (addressbook)
    - Calendar
    - Tasks
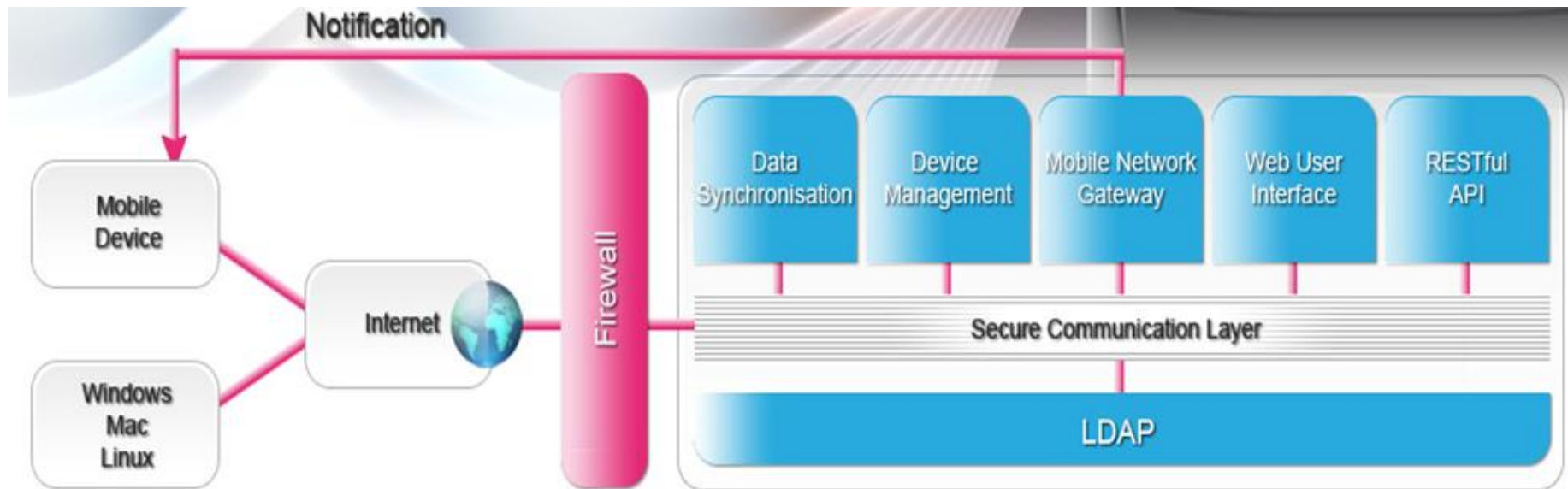   - Notes
    - Text messages (SMS)
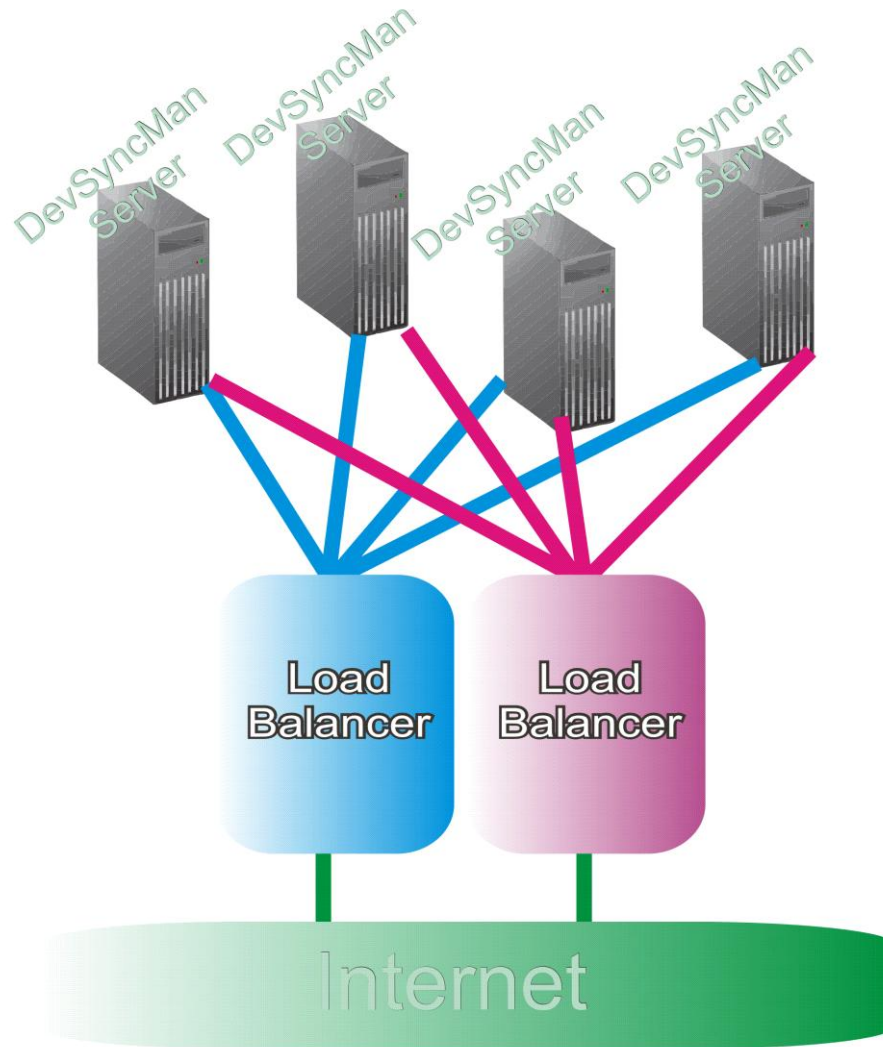
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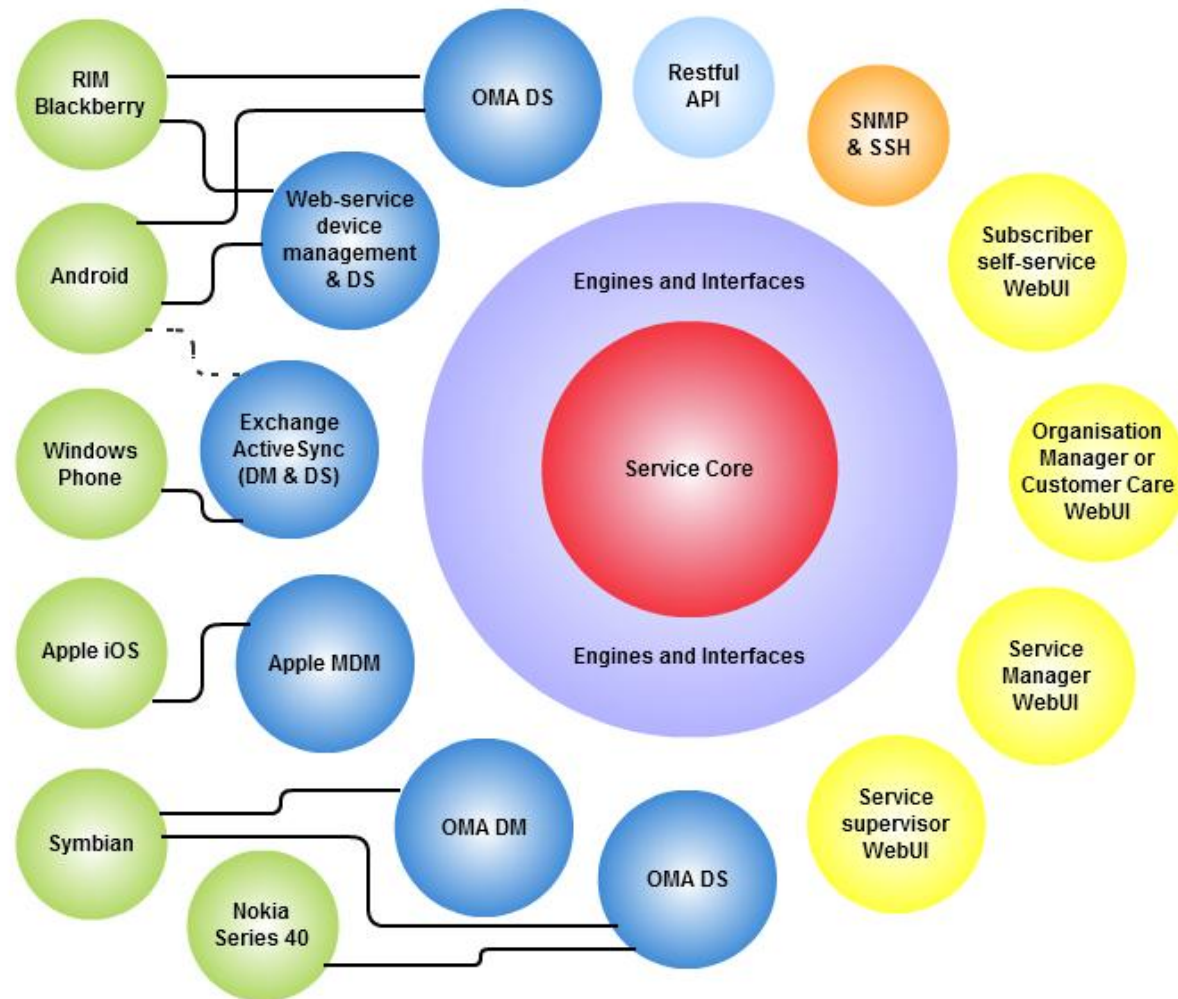
Architecture

OEM/Enterprise Solution

Functional Architecture

Load Balancing

Why DevSyncMan Cloud DM?

- "We already have Exchange (ActiveSync)!"
  - good, it covers some of the functionality – but not everything.
    - Configuration and application management is missing
    - Deep inventory and diagnostics is missing
    - Customization to sync ANY data is missing
  - Device contacts sync is a challenge in large companies
    - GAL might have 10000+ contacts

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Cloud Management options

- End-user self-service management
- All management done by customer IT dept
- All management out-sourced
- Flexible mixed model
- Managers are level-1 and level-2 troubleshooters
- Service supervisors are the level-3 support

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Cloud Server Hosting options

- Hosting at own site
  - VMware ESXi Hypervisor is required (free version ok)
- Hosted by Winwap or Winwap partners
  - Current operator data centers are located in Finland, Asian/American/African data centers possible.
- The hosting preference is independent from the selected management strategy

Cloud Server Technology

- Service consists of Linux virtual machines executed on VMware ESXi Hypervisor
  - standalone, vSphere, and vCloud are all supported
- No 3rd party licenses required
- The service only requires https (tcp/443)
  - http also supported
  - management and monitoring requires some ports

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