mobiaccess
mobile development framework

new vision for mobile enterprises

The next stage after online and offline database communication

2006. 10. 18.

InfomatiX

Who we are?

InfomatiX

A software developer company specialized in mobile IT. We provide highly customized – user friendly – software solutions for SMEs and large sized enterprises in Hungary and abroad.

Our specialized development field is mobile information technology.

Enterprise Solutions

- Field / Sales Force Automation
- Project Management
- CRM
- Data Warehousing
- Outsourcing

Mobile IT

- PDA software development
- Mobile Phone based Applications
- Mobile marketing
- Generic J2ME, Symbian, Windows Mobile, Blackberry

Needs of diversification of platforms

Companies want...:
... complete solution for their problem
... determine whether Online or Offline communication is needed
... free hand deciding the mobile platform (one or more)

Possible markets
- CRM
- ERP
- SFA
- Banking
- Supply chain management
- ...

Currently available platforms
- Laptop
- Pocket PC, PDA
- J2ME
- Blackberry
- Symbian
- Linux
- Brew

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General overview of mobiaccess

1. Mobile Development Framework
2. Mobile utility for Database communication
3. New way for SME-s to use Mobile development

MobiAccess Definition

MobiAccess is a Mobile Development Framework that enables developers to easily create mobile applications for Data Collection without extensive knowledge on Mobile development.

It handles Data Replication (MobiSync) and Data Visualization (MobiVision) as well.

1. mobiaccess – Mobile Development Framework

MobiSync

Generic mobile synchronization framework for SQL databases

MobiVision

Data visualization tool for mobile devices

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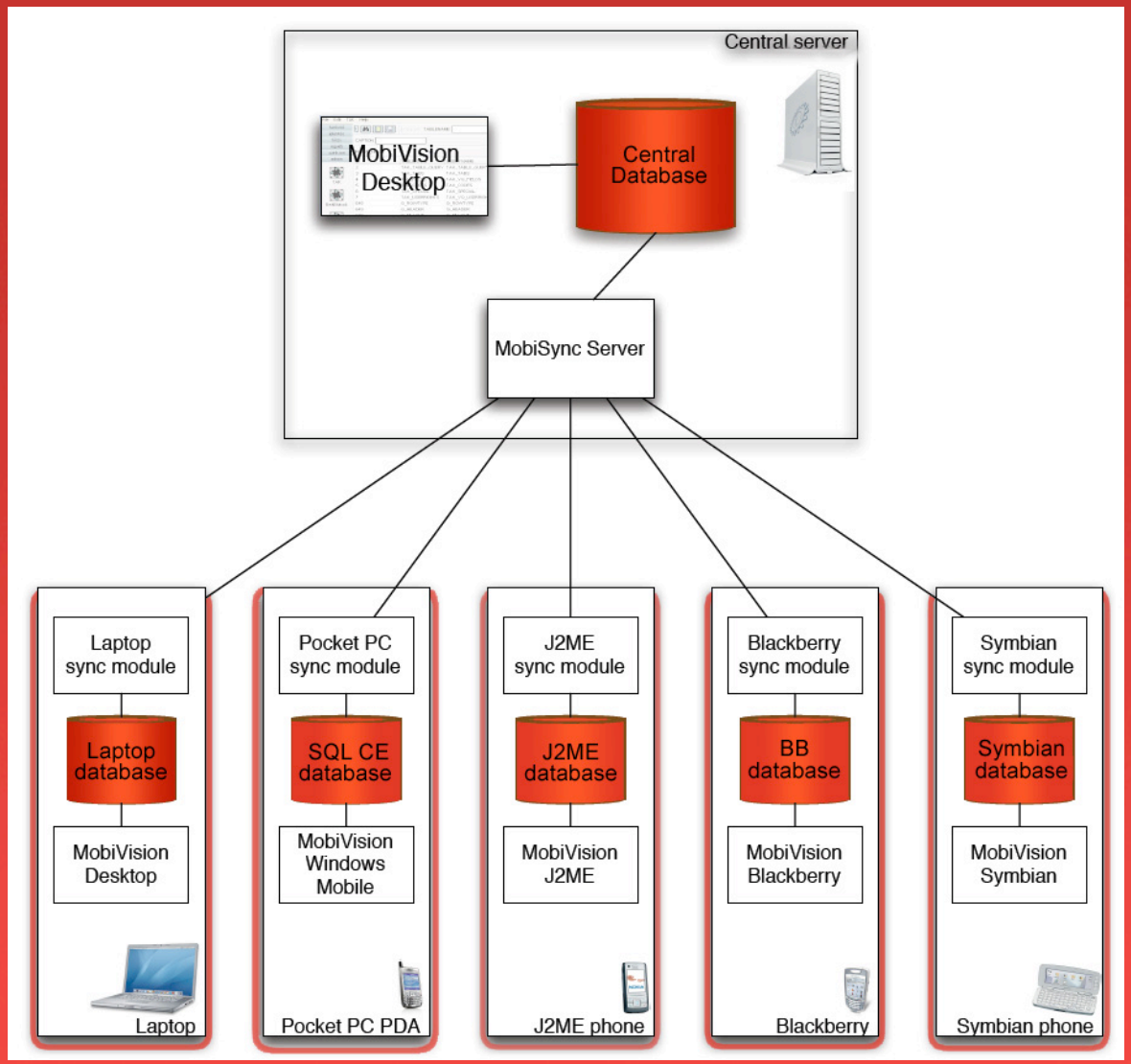
Structure of mobiaccess



Mobisync

Features

- Configurable through database tables
- Automatic notification on database changes
- Handles table-relationships
- Configurable rights and table-sets for different client-types
- Possibility for different sync scenarios:
  - Full sync in office in the morning
  - Sync only important data while on the road
- Configuration GUI

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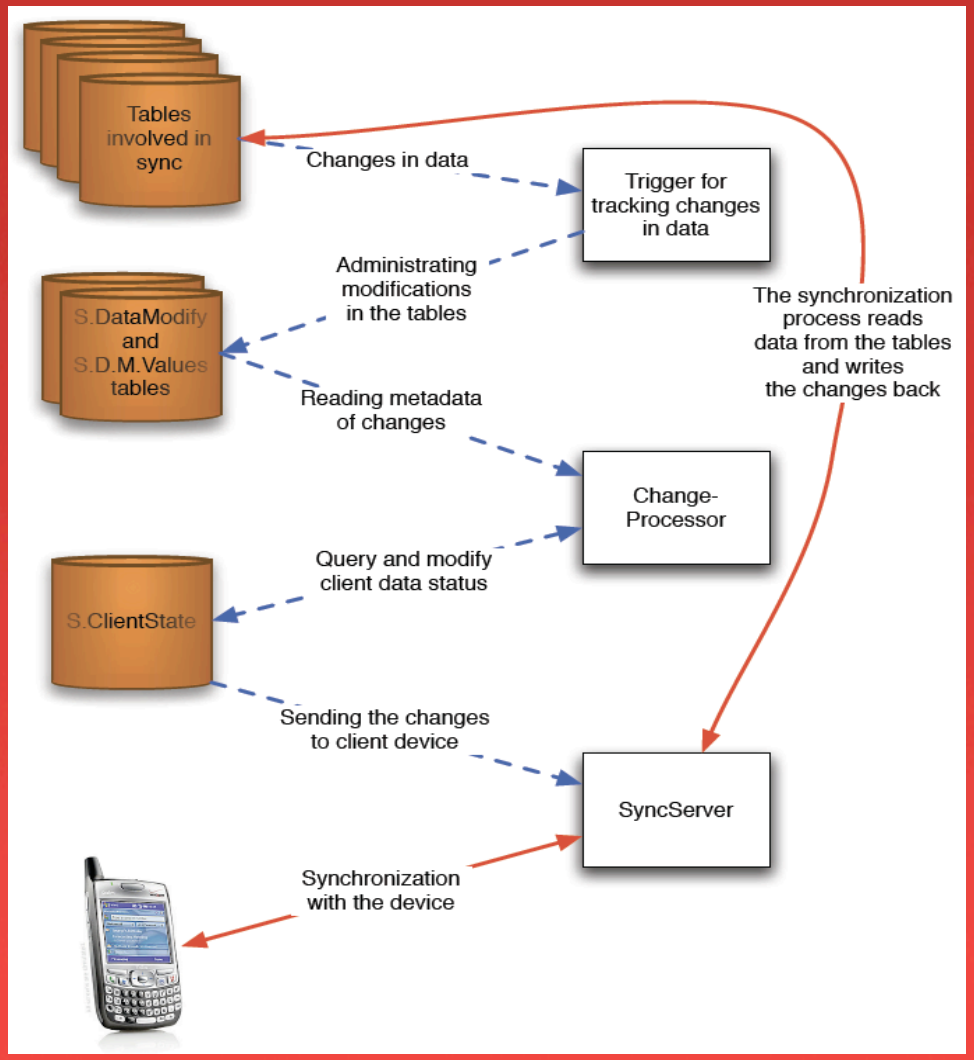
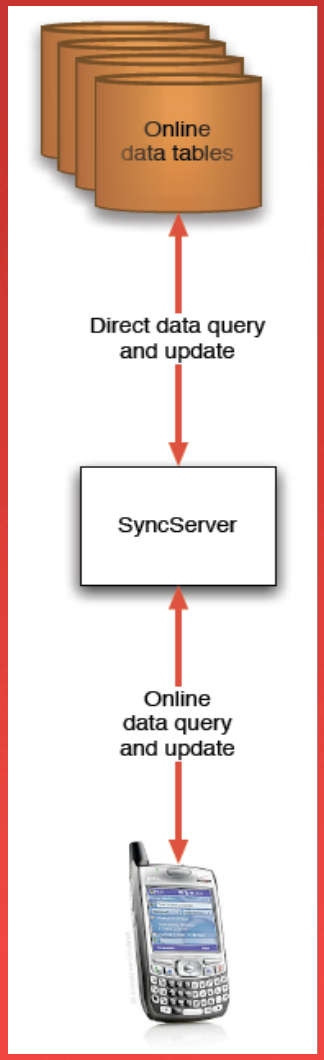
Data flow in mobiaccess

Offline



Online



MobiSync online queries

Online communicaton

- Retrieve up to date data from the server
- Handles user-rights and roles
- Reduced bandwidth:
  - Can be combined with offline data
  - Only the data is queried, no markup, images, etc.
- Data visualization is unrelated to operation mode

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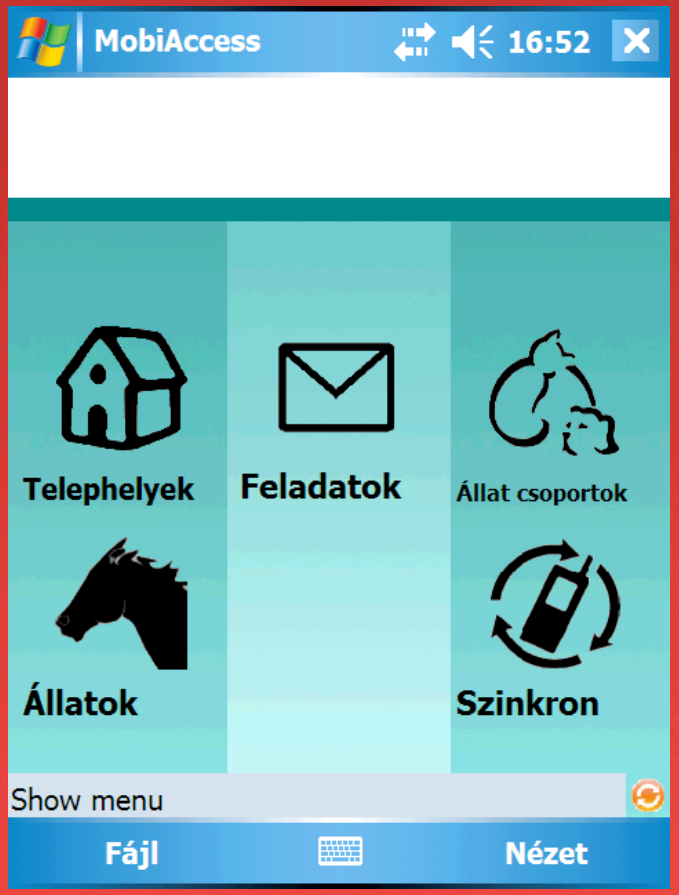
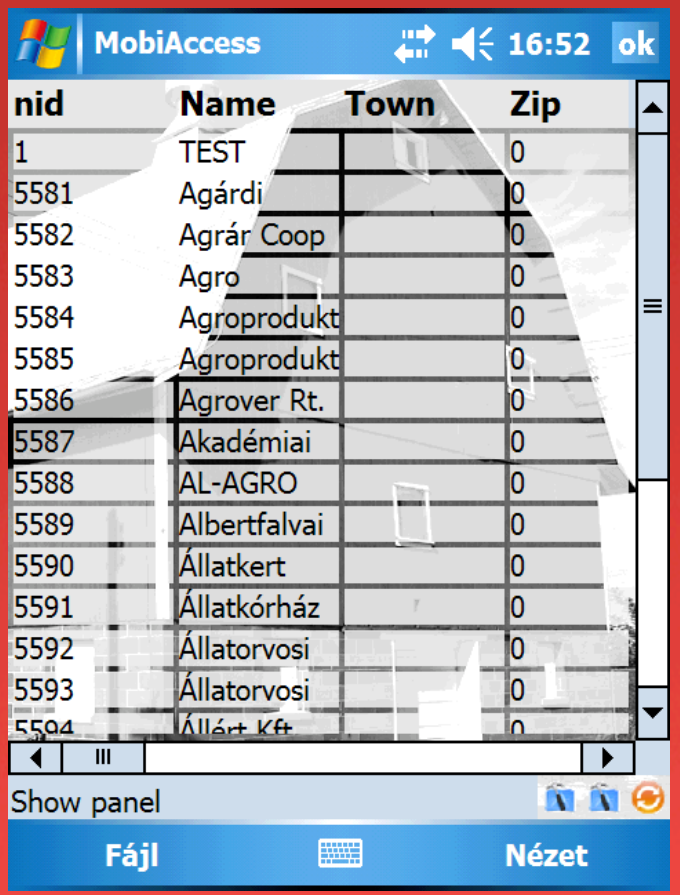
MobiVision PDA





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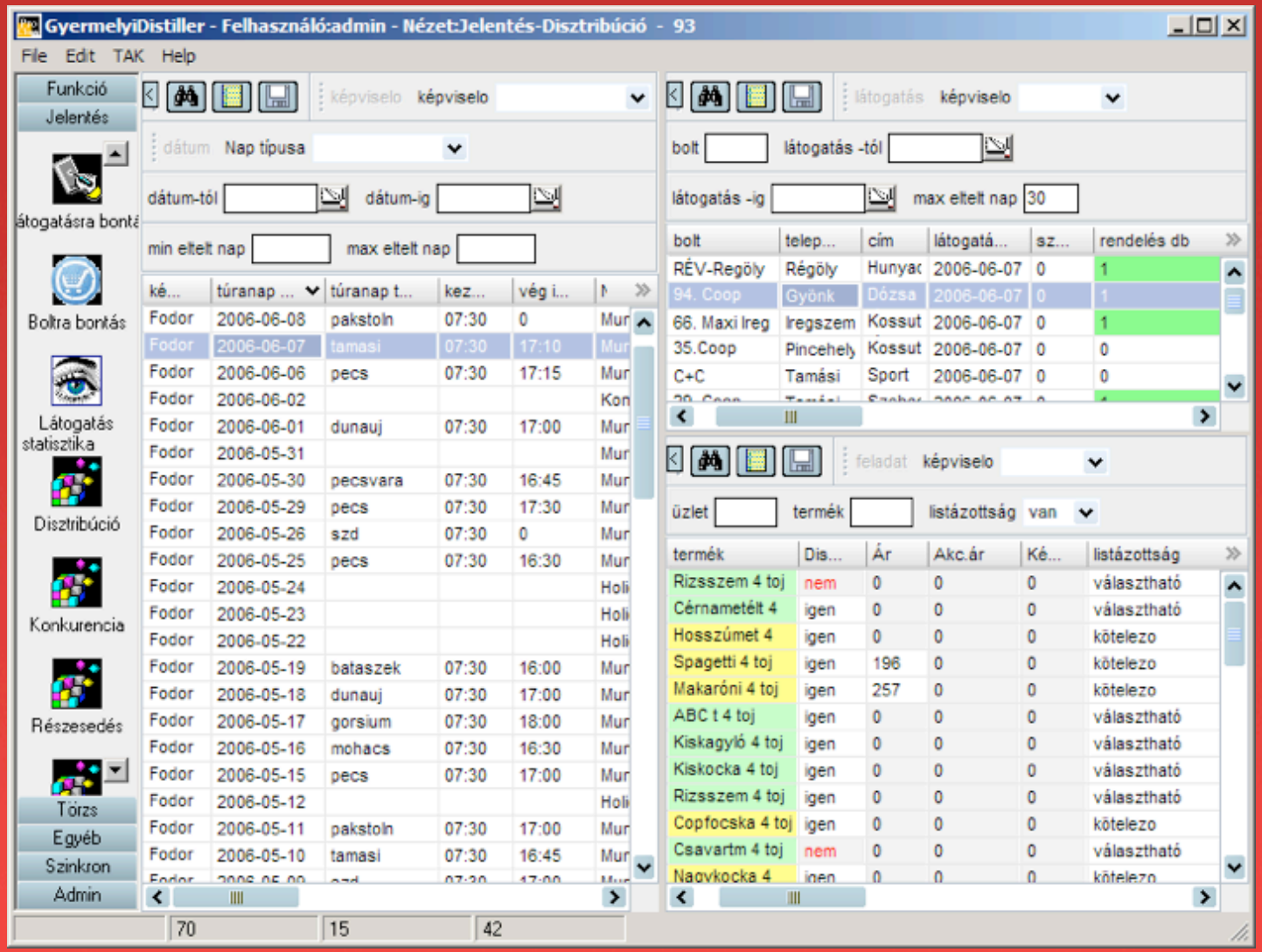
MobiVision Desktop



Mobivision

Mobile visualization module

- Platforms: Windows Mobile, Blackberry, J2ME, Symbian
- Common XML format for configuration: libraries, menus, panels
- Different standard library for different platforms
- Platform-specific plug-ins can be written independently
- Library for data sync

Configuration module

- Active-X plug-ins for the presentation module
- GUI for configuration
- Visualization module (tables, 3-pane views, popups, menus, ...)
- Synchronization (tables, fields, client-types, clients, ...)
- Mobile visualization module (panels, tables, actions, ...)

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Mobivision

Mobile solution requirements	On-line	Off-line	MobiAccess
Automaic access to up-to date information	✓		✓
Rapid development with minimal learning	✓		✓
Same system on multiple devices	✓		✓
Low development costs		✓	✓
Low communication, maintenence costs		✓	✓
System without server		✓	✓
Rich and responsive user interface		✓	✓
User access right management	✓	✓	✓

Any questions?

Thank you for your attention!

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