

Hanji

हां, फ़ाँ (hā̃_(n) djee): in Hindi, is commonly used to reply about someone's request or call



Also: an acronym for HANdheld Jeographical (!)
Information

Evolution of personal IT

→ Natural evolution:

- Mobile devices will gain even more importance
- *Smartphones*, UMPCs, laptops, etc
- Integration of all media kinds, extensions in a convenient device
 - voice, music, camera, gps, internet terminal
- Mobility-based content will grow with the arrival of these technologies
 - localization
- Integration of customer services
 - network providers
 - media groups/content providers
 - service providers
- Sharing, synchronizing, organizing will be more and more crucial

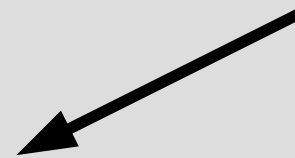
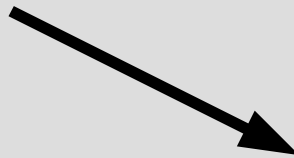
New mobility implications

Computers in the pocket

Processing, media capacities,
storage, etc

IP networks

Broadband wireless solutions



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Geo-localization

Public decent GPS precision from 2001 only, with low-cost chips

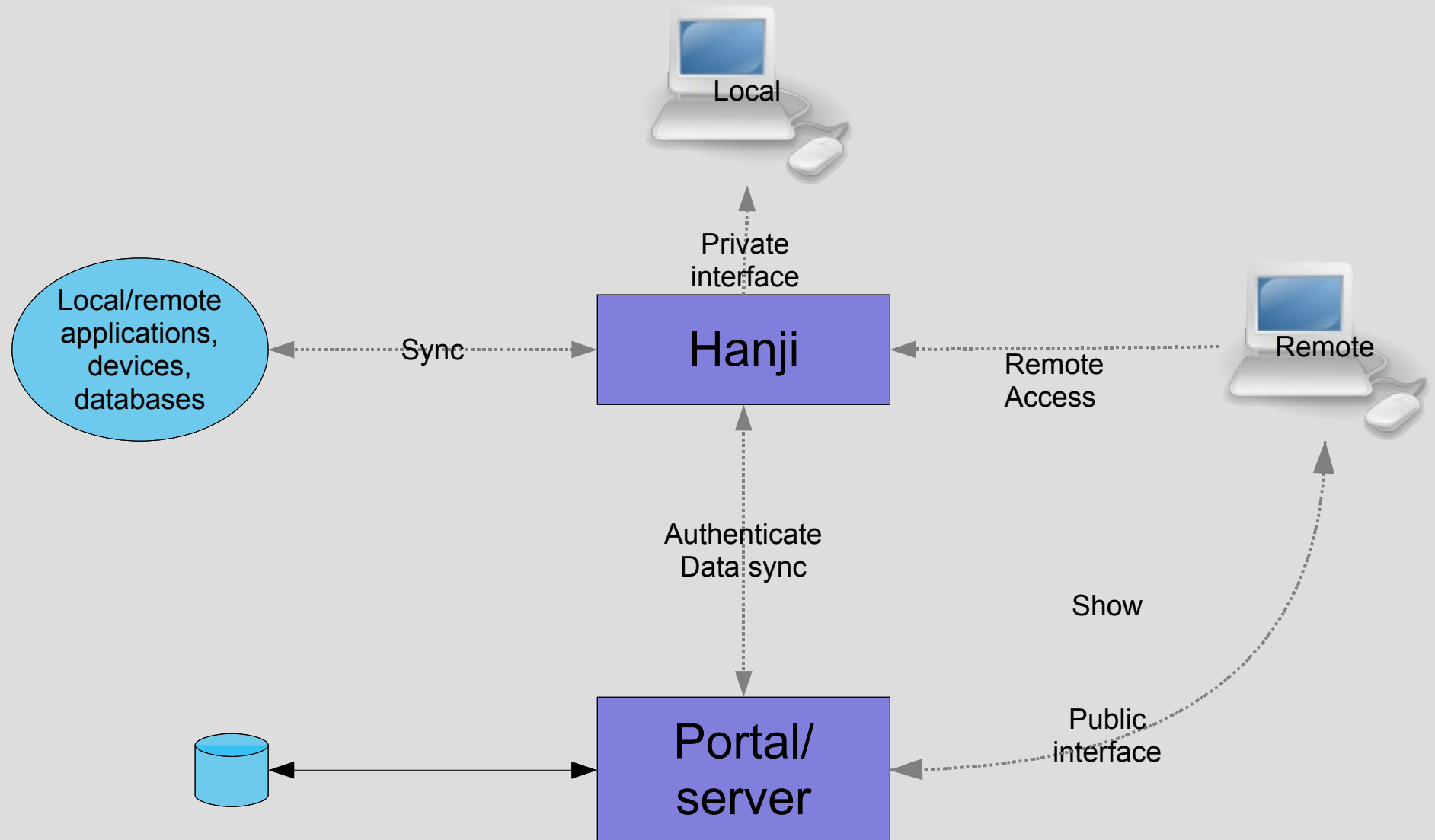
Foundation principles

- A user is not only a consumer
 - Users also produce information for others
 - Importance of interest communities: family, friends, social sites, business relations
- Open source and standard compliance
 - Runs on all kinds of devices, systems (small footprint)
 - High value for low cost
- Extensible framework
 - Integration of new applications quickly
 - Growing base of users *and* developers

The Hanji product

- **Embedded software**
 - Run on virtually any system (from smartphone to mainframes)
 - On-board intelligence
 - Sleek web-based user interface
- **Beyond the client/server model**
 - Clients become servers: decentralized model
- **Extensible architecture**
 - Integration: far beyond than a simple web server
- **Network friendly**
 - All-roads connectivity
 - Bandwidth optimization: efficiency, speed
- **Easy to install, deploy, use**

Network integration



Benefits of the approach

- Flexibility
 - IP/web based: independence from hardware and software manufacturers
- Extensibility
 - Low cost for new developments
- Combine the advantages of central *and* distributed databases
 - Embedded data processing: *onboard* intelligence
 - Network efficiency: the clients send only useful data
 - Robust for the user: independent terminal
 - Central database consolidation
 - Light infrastructure: central server concentrate on its core tasks

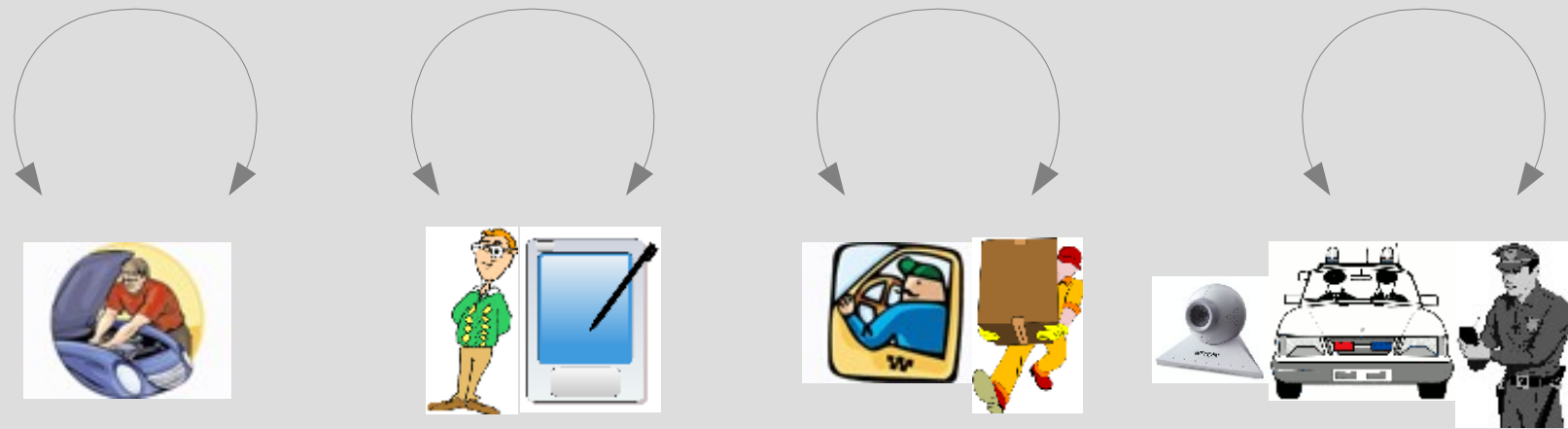
Corporate applications

- On the field operations
 - Topological, environmental surveys, all kinds of reporting
 - Automated data acquisition from any connected or network device
 - Form filling based applications
 - Fleet and *objects* tracking, geo tagging
- Security
 - Real time position tracking to a commandment center with associated data, image, video stream, etc
- Other applications
 - Mobility based: real estate, tourism, etc
- Rise of new kinds of business models
 - Hanji can connect to dedicated servers/portals: means subscribers to a service

End user applications

- Personal home page/web site
- Share local applications data
 - Any file, address book, calendar, etc
- Grounds of a new kind of social networking
 - Power of *embedded processing*
 - No fear of sending personal data to some corporation
- Etc...

Corp. applications examples



Onboard informations, localization, pictures, video stream, specialized forms, etc: plain or processed data

Public network



Corp.
information
system

Alerts and monitoring, mapping, corp. database...

Business

- **Targets**

- Very large range of applications
- Users of softwares and services (portal)
- Network operators
 - Features and constraints of mobile networks
 - Propose value added services to the final clients
- Media/content providers
 - Looking for more users, content

- **Private network**

- Ideal for the constitution of a corporate database

- **Public internet**

- General specific purpose (public/private communities, etc)

- **ISPs and private IP networks**

- IP level 4 networking: easy integration with existent infrastructure

Marketing

- Free Open Source Software means:
 - No support
 - No guarantee of any kind
 - No private developments allowed
- So we propose the following services for professionals:
 - Support
 - Case studies, engineering, A-Z developments
 - Packaging
 - Deployments
 - Integration
 - Updates
 - Rebranding and customization

Comparisons

- **Web services**
 - Forums, wikis, social networks, web applications, etc
 - By nature they require a connection, often a registration
 - Cover specific needs
 - Nokia mymobileserver
 - Only for the Symbian platform, very limited
 - Some common technologies (python)
- **Personal softwares**
 - Cover a particular need
 - Only on the local machine, or eventually local network
- **Client/server softwares**
 - Often high cost and corporate use only
 - Dedicated to sharing a well-defined kind of information

Long-term goals

- **Develop a versatile platform**
 - For all handhelds and other mass production devices
 - Lots of users worldwide
 - Keep it free for personal use
 - Find and develop corporate applications for specific uses
- **Develop the business model**
 - Based on open source models
 - Find partners
 - Allow developers to add new functionalities
 - Open source community / corporate clients benefit of each other

Links and resources

- Product presentation, downloads

<http://hanji.info>

- Technical resources

<http://tech.hanji.info/>