



syncEvolution

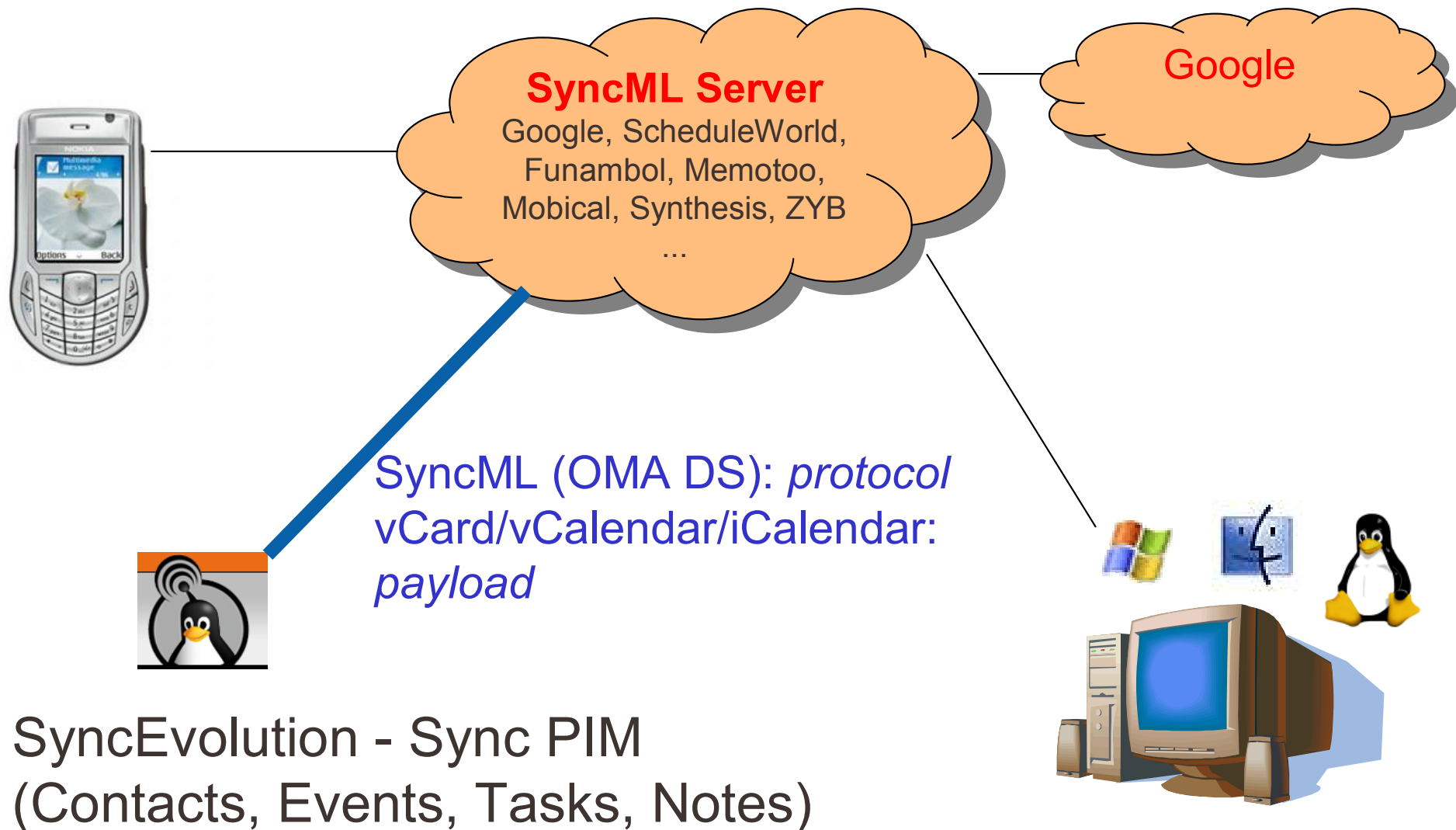
synchronizing personal information management data



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28.01.2010

Over The Air Sync



SyncEvolution - Sync PIM
(Contacts, Events, Tasks, Notes)

History “The Missing Link”

- SyncEvolution: spare time project for >3 years, full-time since 2009
- So far: SyncML client for
 - Evolution/Moblin
 - iPhone+Mac OS X (need maintainer)
 - Maemo (Ove Kaaven: Maemo 5)
 - KDE (under development)
- More to come in 1.0:
direct synchronization

Synthesis

- Swiss company with >10y experience with SyncML, owned by the two main developers
- Synthesis SyncML Engine:
 - C++ implementation of client **and server**, data merging and conversion
 - LGPL 2.1+3.0

Next Steps

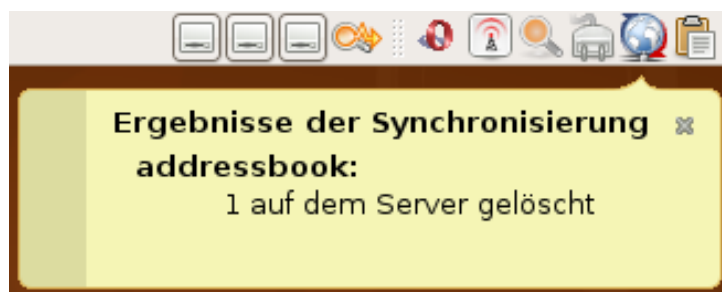
- 1.0 release: beta available, release end of March/beginning of April
- Beyond 1.0:
 - Device database (“config templates”)
 - Support more local backends, including adaptors for other protocols (need contributors!)
 - Local sync between backends

Usage

- **Command line:**

```
syncevolution --configure \  
               --sync-property username=foo \  
               --sync-property password=bar \  
               scheduleworld  
  
syncevolution scheduleworld  
syncevolution --sync-properties ?  
syncevolution --source-properties ?
```

- **Applet: Genesis, by Frederik Elwert**



- **GTK GUI ("sync-ui")**

Sync-UI: Setup

The screenshot shows a window titled "Sync-UI: Setup" with a "Back to sync" button in the top left and window control icons in the top right. The main content area is titled "Supported services" and includes the following text: "To sync you'll need a network connection and an account with a sync service. We support the following services:". Below this is a list of services: Memotoo, Mobical, and ScheduleWorld. The ScheduleWorld service is expanded, showing a description: "ScheduleWorld enables you to keep your contacts, events, tasks, and notes in sync." It includes a "Username" field with the value "jku@goto.fi" and a "Password" field with masked characters. There are two "On" toggle buttons: "Send changes to ScheduleWorld" and "Receive changes from ScheduleWorld". Below these are four more "On" toggle buttons for "Contacts", "Memo", "Appointments", and "Tasks". At the bottom left, there is a "Manual setup" section with the text: "If you don't see your service above but know that your sync provider uses SyncML you can setup a service manually." and an "Add new service" button.

Back to sync

Supported services

To sync you'll need a network connection and an account with a sync service.
We support the following services:

- Memotoo - [Launch website](#)
- Mobical - [Launch website](#)
- ▼ ScheduleWorld - [Launch website](#)

ScheduleWorld enables you to keep your contacts, events, tasks, and notes in sync.

Username

Password

Send changes to ScheduleWorld On

Receive changes from ScheduleWorld On

Sync

Contacts On

Appointments On

Memo On

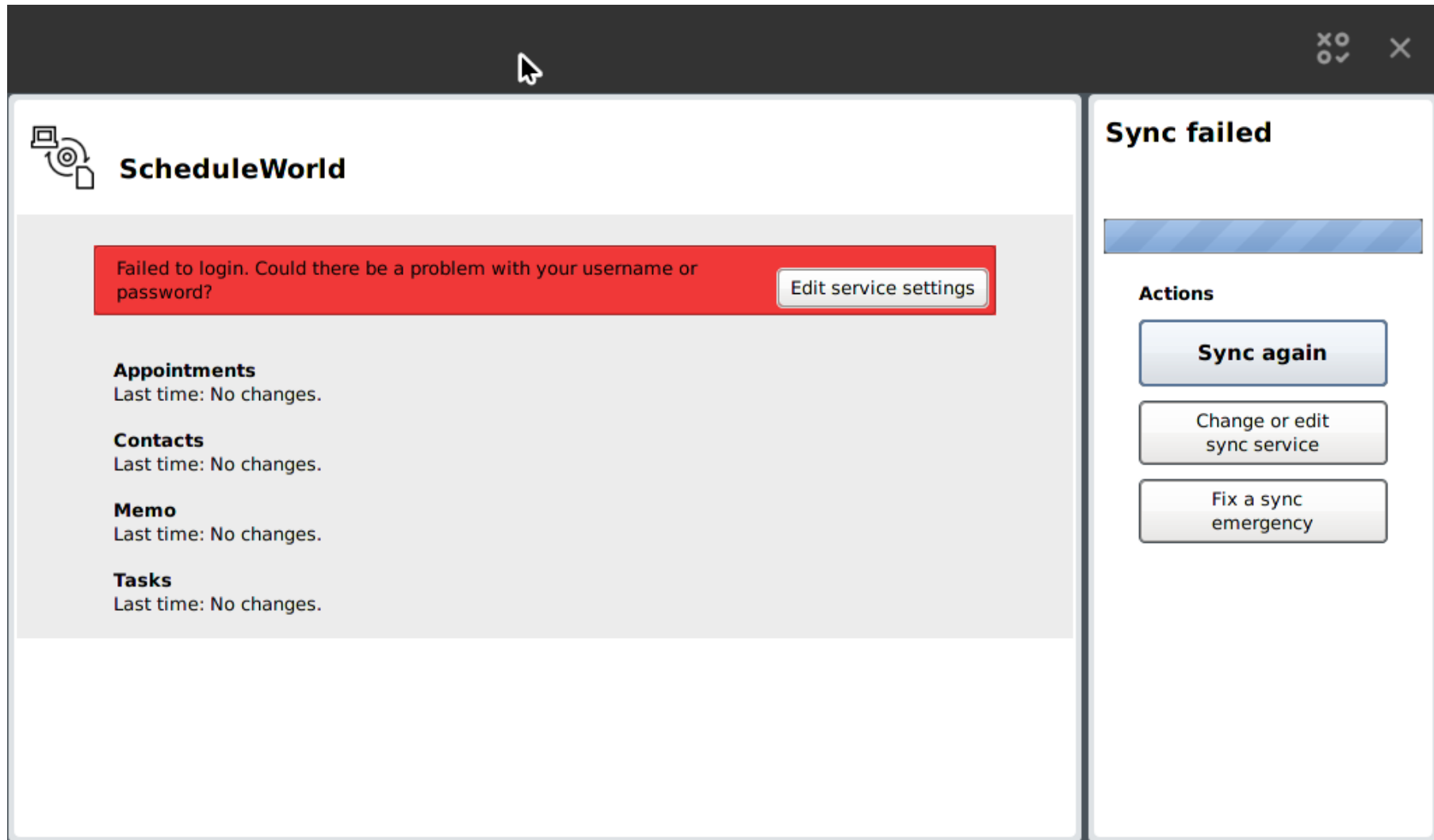
Tasks On

Manual setup

If you don't see your service above but know that your sync provider uses SyncML you can setup a service manually.

[Add new service](#)

Sync-UI: Houston, we've got a problem.



Sync-UI: We've got a solution.

Back to sync x o ✓ x

If something has gone horribly wrong, you can try a slow sync, start from scratch or restore from backup.

▷ Affected data: ScheduleWorld Appointments, Contacts, Tasks, Memo

Slow sync

Slow sync A slow sync compares items from both sides and tries to merge them. This may fail in some cases, leading to duplicates or lost information.

Start from scratch

Delete all your local data and replace with data from ScheduleWorld or **Delete all data on ScheduleWorld and replace with your local data**

Restore from backup

Backups are made before every time we Sync. Choose a backup to restore. Any changes you have made since then will be lost.

Restore backup from before syncing with scheduleworld on 01/27/2010 03:46:56 PM	Restore
Restore backup from before syncing with scheduleworld on 01/27/2010 05:58:15 PM	Restore



<http://syncrevolution.org>

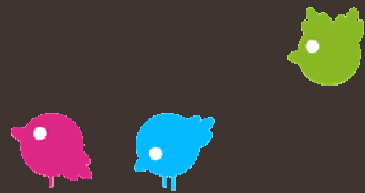
Cross-desktop devroom,
Sunday 15:15-16:00



Getting Involved



SyncML
Server



SyncML Clients

PIM Sync Challenges:
It can eat your data?!

PIM Sync + Interoperability Challenges

- 1.No globally unique ID.
- 2.Different representation of data.
- 3.Offline updates allowed: what is the most recent data?
- 4.Must support standard formats, including legacy ones (vCalendar).
- 5.Must work with limited knowledge about peers (capabilities, behavior).

SyncML as Protocol

- “slow sync” – client sends all items, server compares, sends updates back
- “normal sync” – exchange of updates
- Resilient – suspend&resume (voluntarily or due to loss of connection), resend messages
- Device Capability description