



Prototype  
Faster

Simplify  
your Data  
Dictionary

Keep Agile

Reduce Risk

Minimize  
data usage



We need to have local data storage in our mobile application to support the usability requirements.

Local data would help with the performance of the app, but two things... what about data security?

We can use InterBase ToGo and it's inbuilt 256bit AES strength encryption, and multiple encryption keys

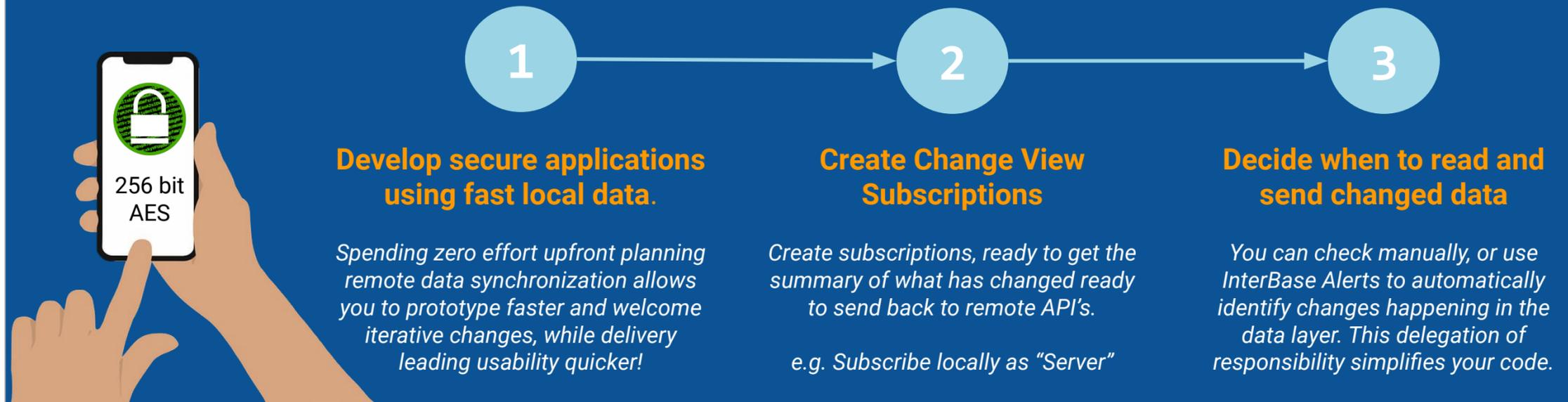
What works....and what about tracking changes to send back to the server? Isn't that going to take some planning?

Not with InterBase Change Views! We just need to post in the data and then the database will tell us at a field level what has changed

When it comes to developing **mobile applications**, with great **usability, speed & performance**, its essential to have reliable, secure, local data. *It's far slower, and uses more power and cellular data to keep fetching the same data packets over and over again from a remote server.*

InterBase makes it **quick and safe** to introduce local data storage to mobile, and by using Change Views, you can rapidly identify changes to push back to remote servers. - Thanks to a single on disk structure, you can develop and test on any platform and be ready to securely deploy anywhere!

Simplifying development of apps with InterBase **Change Views** is as easy as...



**Learn more about  
Change Views**

- Creating a Change View
- Using a Change View

One approach that work well is to use **InterBase Alerts** to notify you of changes, then have a background worker thread to synchronize the changes...

- Start a transaction in SnapShot isolation mode on the local database
- Set the subscription active e.g.
  - set subscription sub\_customers at 'DeviceID' active;
- Run standard SQL to get the changed records with field level changes. e.g.
  - Select \* from customer (yes, it's that simple!!)
- Send the changes back to the remote server
- Commit (to confirm you have the changes) or Rollback to send them later

Stuck or need advice? [Ask your local sales rep for an appointment](#)



INTERNET OF THINGS AWARDS  
WINNER

Most innovative use of data



Keep existing data structures

No redundant fields or log tables

Intelligent field level tracking

Personalised updates managed from the server



Our remote pharmacies need to have fast reliable access to our core drug data 24x7, even when offline

That's a lot of data to keep in sync and we have **30,000 sites to keep updated!** That could be hard to manage in our existing systems.

Can we delegate this task? I don't fancy the risk of changing our existing systems - the testing alone would be a nightmare!

How about mirroring our data into InterBase and making each site a subscriber of a Change View?

Perfect! - That will avoid changing our existing systems...

...and InterBase will create each subscriber field level deltas it can use to update the local cache!

Change Views offer developers a way to **break traditional constraints in their thinking about data change tracking and the life span of data in briefcase models**. Through its Change Views technology, InterBase provides easy access to a **highly scalable** change-tracking engine that developers can easily mold to fit their requirements, regardless of whether they need to keep 1 or 100,000 destinations up-to-date.

InterBase is a popular choice as part of a holistic data center to deal with high scale data replication challenges other databases can't manage. **Discover how InterBase has sat alongside MSSQL to help one customer keep critical drug information updated at a large chain of pharmacies** in the white paper below.

**Did you know:** Change Views are Intelligent and designed to reduce data traffic (You will never have to redownload the changes you pushed in when pulling updates)



### Simplifying Data Change Tracking with InterBase Change Views

## Download the WhitePaper



#### Get Started with Change Views

- What are Change Views?
- Creating a Change View
- Using a Change View

Download the **FREE** InterBase Developer Edition

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