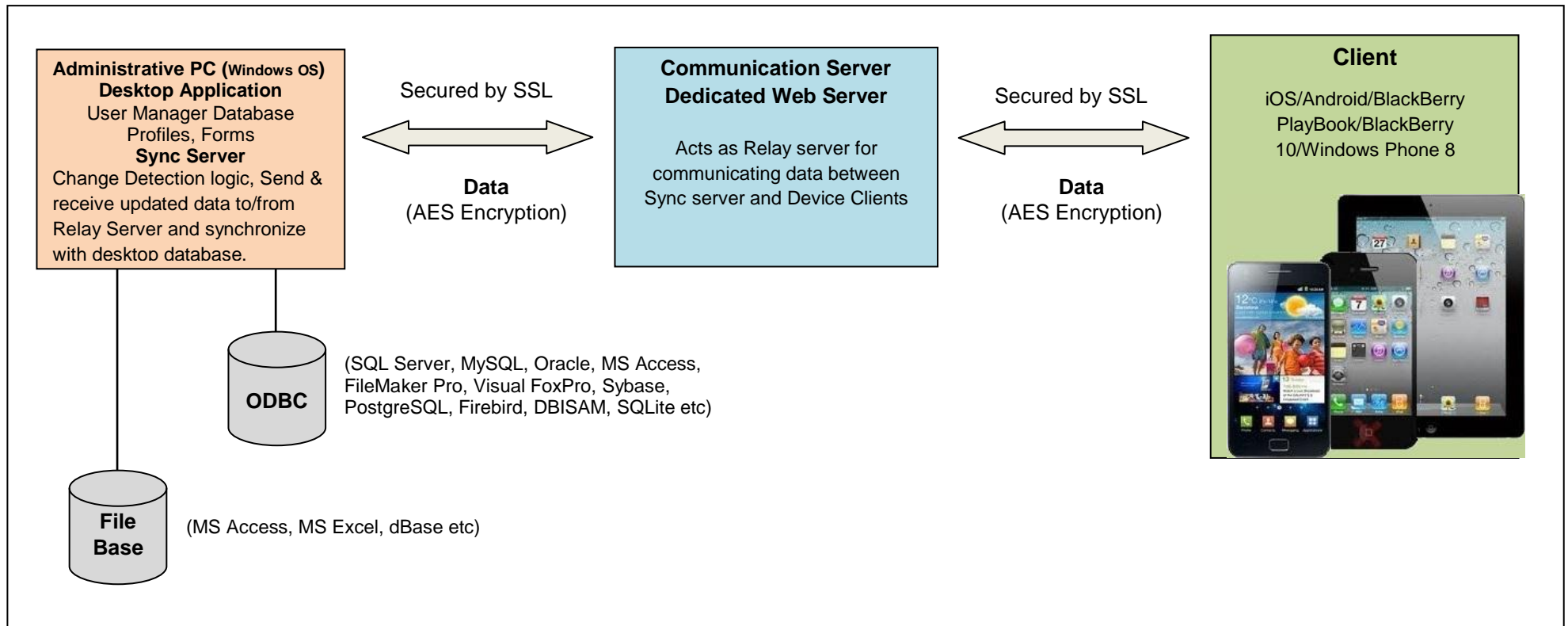


## How Cellica Database Anywhere – Enterprise Edition works?



**Cellica Database Anywhere – Enterprise Edition** allows synchronizing any desktop database with multiple iPhone/iPad/Android Phone and Tablet/BlackBerry PlayBook/ BlackBerry 10 devices/ Windows Phone 8 wirelessly using Internet(3G, EDGE, GPRS or WiFi). Cellica Database Anywhere – Enterprise Edition allows view, update and synchronizing with Microsoft Access, FileMaker, Microsoft Excel, and any ODBC Compliant database like Oracle, SQL Server etc. While in network, any modifications to the desktop Database and on devices Database Profiles can synchronize wirelessly and instantly to each Device and Desktop Database, so each device user will always have the most current information at

his fingertips. Cellica Database supports offline access to data when moved out of network. Changes will be synced with desktop database when network is available.

All provide you with a RAD (Rapid Application Development) tool for building database driven mobile applications, supports wide range of databases, full graphic capability, Forms and Sub-forms, Tab controls, the easiest-to-use 'Tap and Select' form builder available and equipped with Cellica's most appreciated Mobile data Synchronization technology having high level data security.

### **How does it work?**

Cellica Database Anywhere – Enterprise Edition consists of three components:

#### **1) Desktop Application and Sync Server ( On Administrative PC):**

- The Desktop application is where you will manage Device users, create Database Profiles, design forms, reports and where your back office database resides. The Administrative PC is typically a Windows desktop or laptop, but it could also be a Windows server. You can create Database Profiles for your database which you want to sync with devices and custom user interfaces by using Form Manager. Reports module enable to design custom reports on desktop side which will be pushed to devices. On device Reports will be generated at real time using this current snapshot data in Database Profile.
- Sync Server acts as Sync Channel between Desktop application and Communication Server of Cellica Database Anywhere – Enterprise Edition. Initially all records are send to devices later on “Change Detection Logic” implemented by Cellica’s years of work in Handheld Database Synchronization field, searches only updated data in desktop database and send it to device. Also Sync Server receives records collected/updated on devices through Communication Server and synchronizes it to desktop database.

#### **2) Communication Server (Relay Sync Channel On Dedicated Web Server) :**

Communication Server acts as “*Relay Sync Channel*” between Desktop “Sync Server” and Clients (iPhone /iPad/iPod/Android Phone and Tablet/BlackBerry PlayBook/BlackBerry 10/Windows Phone 8) applications of Cellica Database Anywhere – Enterprise Edition. Data is not stored on Communication Server at any given time during synchronization.

### 3) Client Application

Cellica Database Anywhere – Enterprise Edition has separate native client applications for latest SmartPhones and Tablets (iPhone /iPad/iPod/Android Phone and Tablet/BlackBerry PlayBook/BlackBerry 10). Synced “Database Profiles” from desktop through “Communication Server” can be viewed on device in “Multi Record and Single Record View”. User can search through “Database Profile” for Specific record, Also can Add/Edit/Delete record from both Multi Record and Single Record View. Native applications have huge edge over browser base applications and can use various device capabilities more efficiently.

If user decided not to use the default views provided by Cellica Database Anywhere – Enterprise Edition (that is, Multi Record and Single Record View) then he can create Custom user interface by using Cellica Database’s easy to use “Form Designer”. It allows using various controls to design forms.

### Installation:

#### System Requirements

**PC:** Windows XP, Windows 2000, Windows 2003, Windows 2007, Windows 7, Windows 8

#### Device:

iPhone/iPad: iOS 4.3 or higher.

Android Phone/Tablet: Android OS 1.5 or above.

BlackBerry: PlayBook OS 2.0 or above, BlackBerry 10



### **Installing Desktop Component (Admin application and Sync Server):**

Install “Desktop component” of Cellica Database Anywhere - Enterprise Edition on Administrative PC where your company’s database resides from following link

[www.cellica.com/Enterprise/Forms/CellicaDatabaseAW-EEdition.exe](http://www.cellica.com/Enterprise/Forms/CellicaDatabaseAW-EEdition.exe)

To install the software on windows base PC, Double click on **CellicaDatabaseAW-EEdition.exe** Install it at suitable location on local hard disk.

Shortcut for Desktop application **ECellicaDBAWAdmin** and User Guide are available on your desktop.

### **Installing Device Component:**

Please search for “Cellica Database Anywhere” on respective App stores (AppStore/ Google Play/BlackBerry App World) and download the application.

Now you are ready to use the software. Create Database Profiles (and Forms) in desktop application and sync from device.

### **Synchronization:**

Devices synchronize with Cellica Database Anywhere – Enterprise Edition desktop software through Communication Server. Devices synchronize directly with the Administrative PC where Desktop component of Cellica Database Anywhere – Enterprise Edition is installed via Communication Server, to synchronize Database Profiles and Form designs and to send back data that has been collected/updated in the field.

### **Security:**

For the purposes of synchronization, data is encrypted using AES encryption and compressed.

Before sending data over network in any direction it is encrypted using AES and it is decrypted at destination only (In either Desktop application or client application). Data is more secured as it is transfer through Communication Server using SSL.

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### **Administrative PC Application (Desktop Application and Sync Server of Cellica Database Anywhere – Enterprise Edition):**

The “Desktop Application” consists of five major modules.

- The “User Manager” module is used to manage devices in admin application. Administrator can add/remove devices; create groups of device users according to designation, department, device type or any other criteria.
- The “Profile Manager” module is used to create profiles for your database. You can use Microsoft Access, FileMaker, Microsoft Excel, and any ODBC Compliant database like Oracle, SQL Server etc for creating Database Profiles for data he want to transfer to Smartphone/Tablets. You can assign users/group of users to profiles. Set permissions for users to update profiles.
- The “Form Manager” module is used to design your custom user interface by creating forms and to distribute them to the Clients.
- The “Report Manager” module is used for creating reports for Runtime Reports generation on device. Design reports layout on desktop and view Runtime generated reports using current content of Profile data on device. Reports can be exported to PDF. You can Print and Email Reports from device.
- The “Preferences/Settings” module is used to change port or control synchronization using “Start/Stop synchronization” and other application related settings. You can view logs for synchronization also you can set Password for users.

### **Sync Server:**

Using Cellica’s “Change Detection logic”, Sync server searches changes in desktop database and send them to device clients via communication server. All this data is in encrypted and compressed format and send using SSL. It also stores data from devices in desktop database via communication server.

### **Synchronizing Client Devices:**

Configuring the client software is as easy as opening Mail application.

There's a SYNC button which initiates the synchronization process. This can be done whenever the device has a network connection it can use to reach the desktop "Sync Server" via "Communication Server". Client application will use Internet (3G, EDGE, GPRS or Wi-Fi) for synchronization.

After a successful synchronization, all your Data/Records and Forms will be stored in the client application, where they can be accessed even when the client is disconnected from the network. Client application can be used to collect data while disconnected from network and then later choose to synchronize the data back to the desktop database when they have a network connection available.

### **Features**

- Synchronize data wirelessly with multiple iPhone/iPad/Android Phone and Tablet/BlackBerry PlayBook/BlackBerry 10 devices (Using Internet).
- View and update data iPhone/iPad/Android Phone and Tablet/BlackBerry PlayBook/BlackBerry 10 devices, which will reflect to Server database immediately.
- Doesn't require any updates or changes in existing database design for syncing directly with existing database, which helps it be the easiest, most user-friendly solution available.
- Supports offline access to data and Changes will be synchronized later once network is available.
- Synchronize Table/View or Stored Procedure of your Database.
- Only the changed data is synchronized, resulting in reduced wireless/cellular data traffic and therefore reduced network costs and improves battery life of the mobile devices..
- Initially all records are send to device later on "Change Detection Logic" implemented by Cellica's years of work in Handheld Database Synchronization field, searches only updated data in desktop database and send it to device. Also Sync Server receives records collected/updated on device and synchronizes it to desktop database.

- Virtually no limit for number of records or size. It depends on how much space is available on device's internal memory (or SD card).
- Take advantage of Triggers support for database while Change Detection to speedup synchronization.
- Use SQL Select queries, Filters and Sorts to refine specific data set.
- Create Smart Profiles using Custom Filters feature.
- Supported Databases: Microsoft Access(\*.mdb, \*.accdb) (97/2000/2003/2007/2010), Microsoft Excel( \*.xls, \*.xlsx)( 97/2000/2003/2007/2010), Oracle, SQL Server, DB2, MySQL, PostgreSQL, FoxPro, dBase, R:BASE,Sybase, File Maker Pro, Firebird and any ODBC Compliant Relational Database.
- Set permissions for each users like Add/Edit/Delete records for each "Database Profile" and Sync Permissions to specify one way sync or both way sync to Control device side records updates capabilities for individual users.
- Supports Password protection for Profiles, Forms and Application.
- Make a phone call for the selected field's numeric contents, which will be treated as a phone number.
- Find and Find again option to search a record.
- Data is secured as 128 bit AES use for Encryption.
- Data is not stored on any Intermediate Server.
- Data is more secured as it is transfer through SSL
- Instant Synchronization- Real time synchronization with no lagging.
- Synchronize data from anywhere (Any part of the world).
- Supports Unicode language database such as Japanese, Chinese, Korean, German and Russian etc.
- Transfer data to SD Card (Android Phone/Tablet).
- Supported Multi Record and Single Record View as default views for Database Profile on device.
- Supports Form: Design Custom user interface for Database Profiles using Cellica Database's simple and easy to use form builder interface.
- Design form on desktop with Label, Text Field, Buttons, Checkbox, Radio button, Combo box, DateTime, Page, Container, Location, Shape and Graph.
- Design a master/detail form, or a parent/child form using subform control.
- Send single record data on form as a .png image by Email.
- Synchronize Image/Signature/PDF data.
- Supports Signature - Associate digital signature with records.

- Supports Time/Stamp feature to find when user update particular record.
- Supports Barcode Scan using inbuilt camera/ External Bluetooth Barcode Scanner.
- Supports NFC Scan(Android Phone/Tablet)
- Supports Print functionality on forms.
- Supports Graphs on form. (Pie, Bar, Cluster, Stack, Area, Line)..
- Create form in Portrait/ Landscape mode.
- Backup form design.
- Supports Macro Programming feature and invoking a macro on a form or control's events (such as OnStart, OnClick or OnValueChanged).
- Supports Runtime Reports generation on device. Design reports layout on desktop and view Runtime generated reports using current content of Profile data on device. Reports can be exported to PDF. You can Print and Email Reports .