



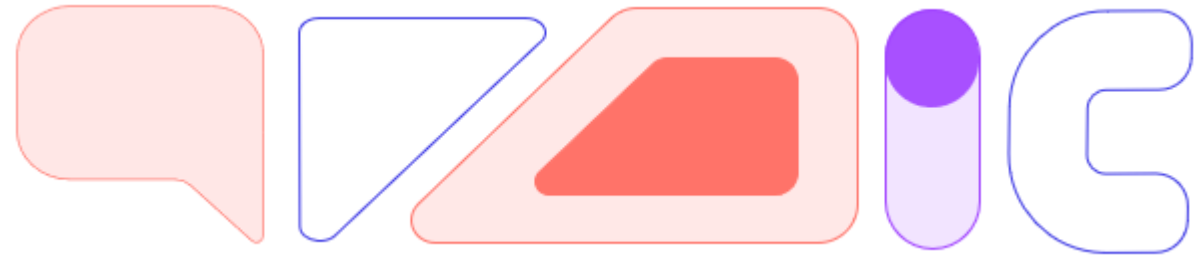
# Implementation of the Omnis Serverless client.

Mobile warehouse management and point of sale assistance.

How Omnis and Javascript work together to unlock the power of PDA's in a warehouse setting

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Developer  
Priority Software Belgium

# Priority Software Belgium



 Priority | DAVE

 Priority | M-Soft

 Priority | Jamadata

 Priority

## KMO | EENMANZAAK

Gebruiksvriendelijke en modulaire bedrijfssoftware op maat uw KMO én uw budget.



## PRODUCTIE | STAALHANDEL

De meest complete en krachtige bedrijfssoftware op maat van uw (middel)grote onderneming.



## DRANKENHANDEL

De totaaloplossing voor ieder type drankenhandel, ontwikkeld door en voor drankspecialisten.

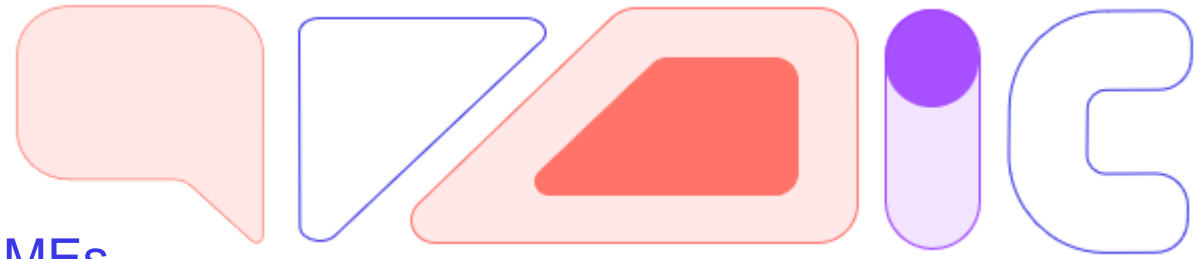


## CLOUD ERP

Innovatief ERP-platform voor commerciële en industriële bedrijven in alle sectoren.

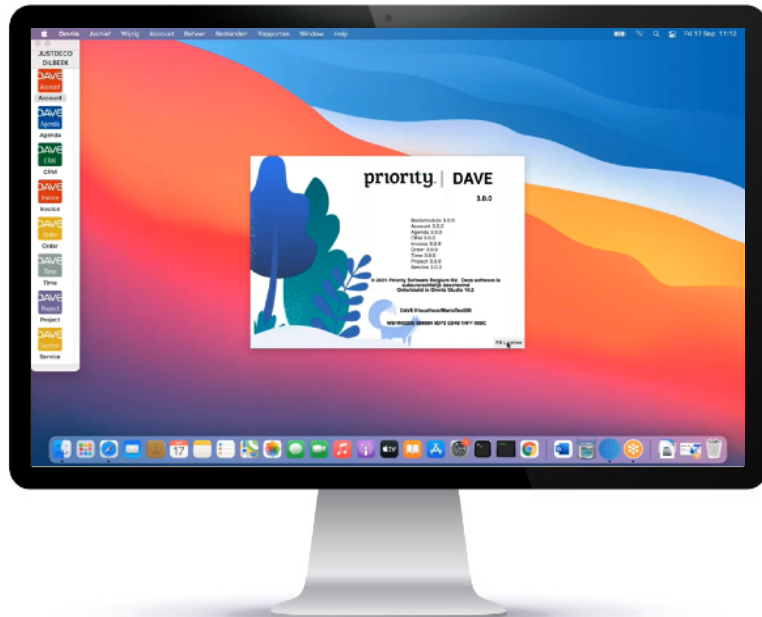


# Priority | DAVE

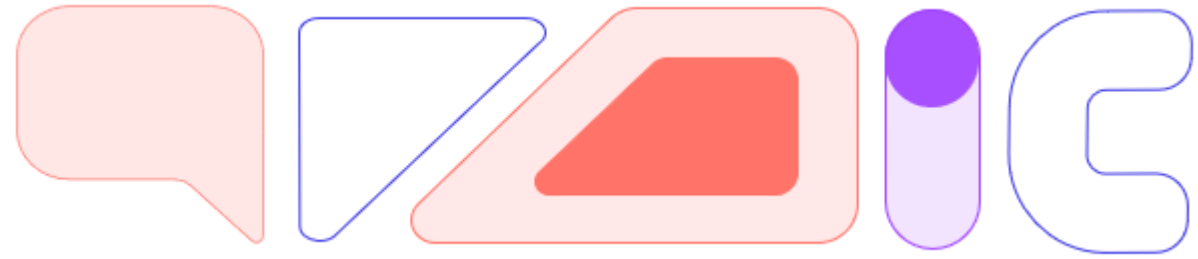


User-friendly and modular business software for SMEs

- + 500 customers
- Users: 1 to 50
- User friendly, on-premise / hosted solution, covers all functionalities an SME needs + private developments possible

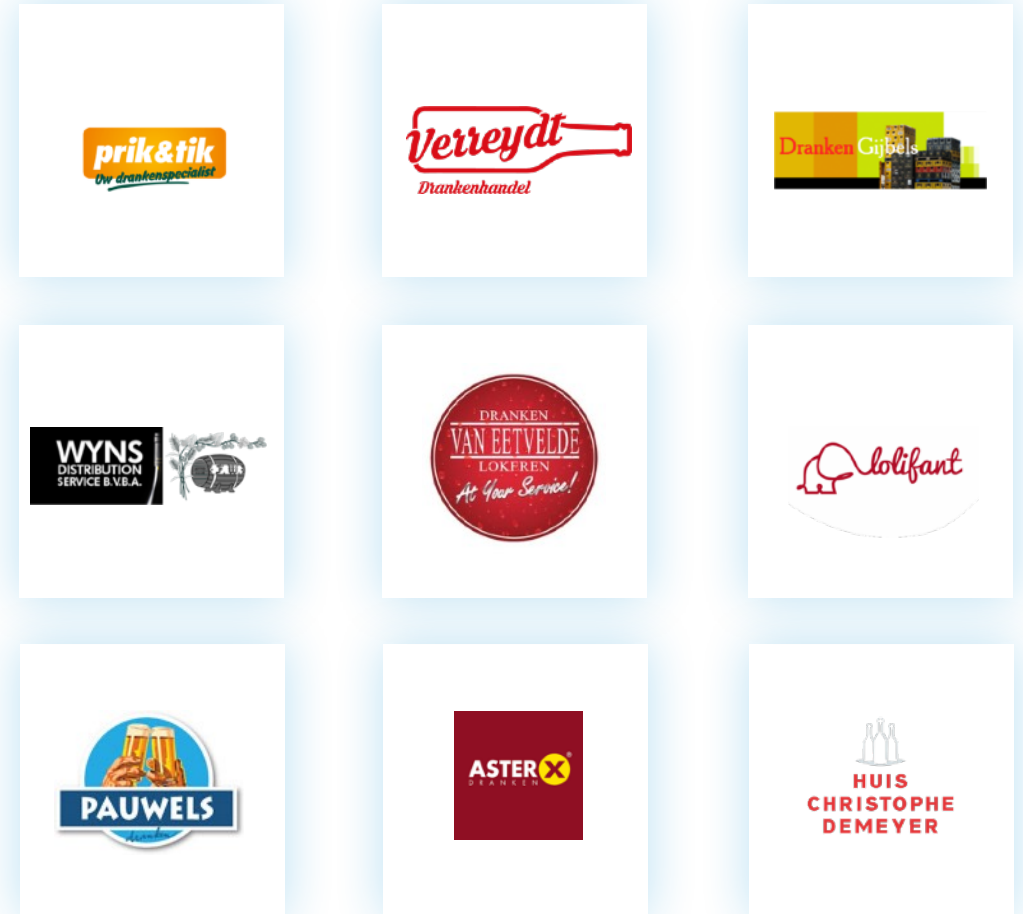
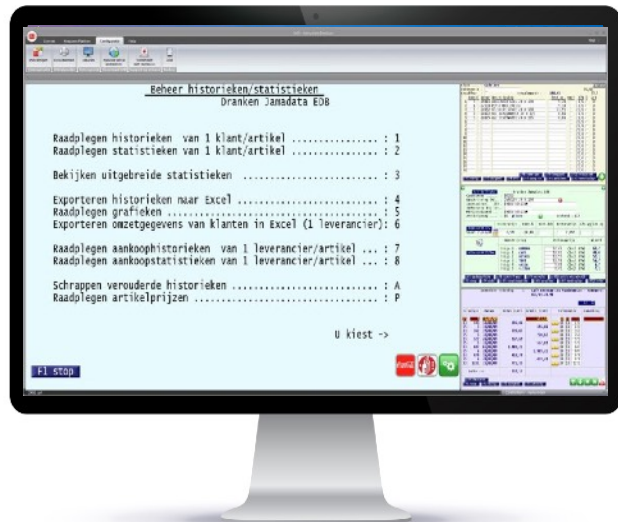


# Priority | Jamadata



## Modular solution for the beverage industry

- + 250 customers – we are market leader!
- Users: 1 to 30
- Expertise in drink stores + POS cash register, all industry-specific functionalities



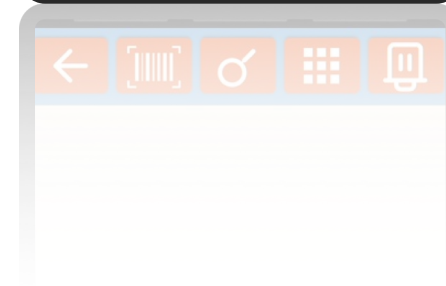
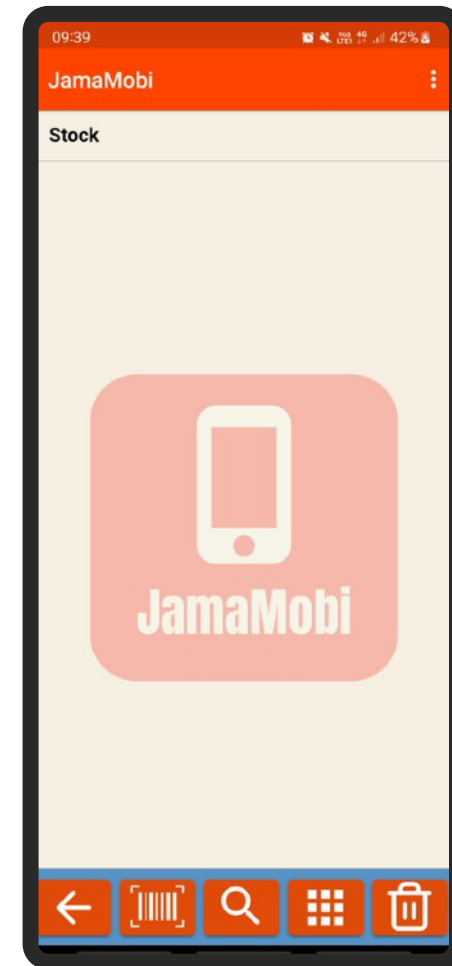
# Why make an app?

## Warehouse management

- Yearly stock count
- Ordering from suppliers
- Managing barcodes

## POS assistance

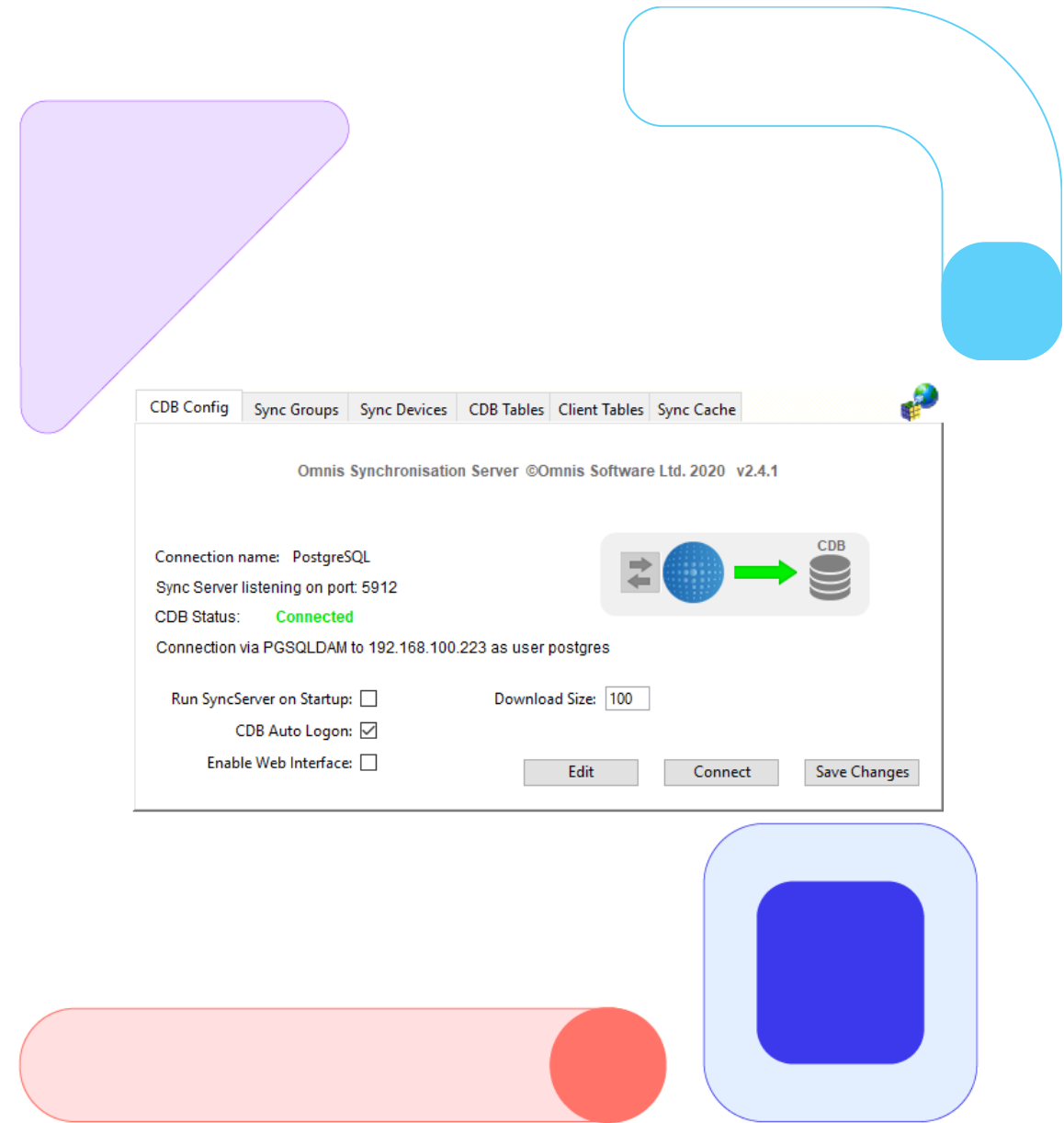
- Returns of empties
- Small scale self scan



# Communications

## Omnis sync server

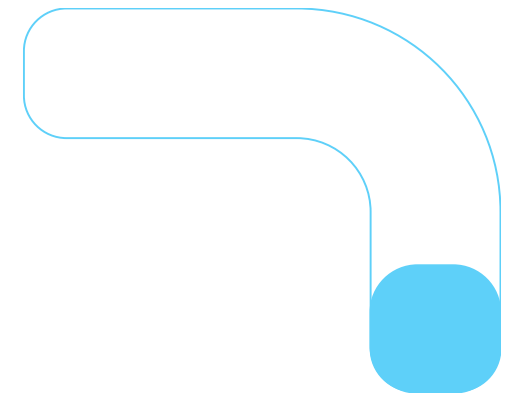
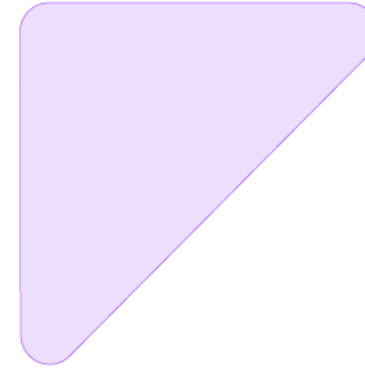
- Easy integration
- Fully implemented by Omnis
- Flexible
  
- Limited in server side functionality
- Limited to network



# Communications

## Local API

- Server Side functions from mobile client
  - Versatile
  - Better integration with the existing software
- 
- Complexity of the client network
  - One way communication



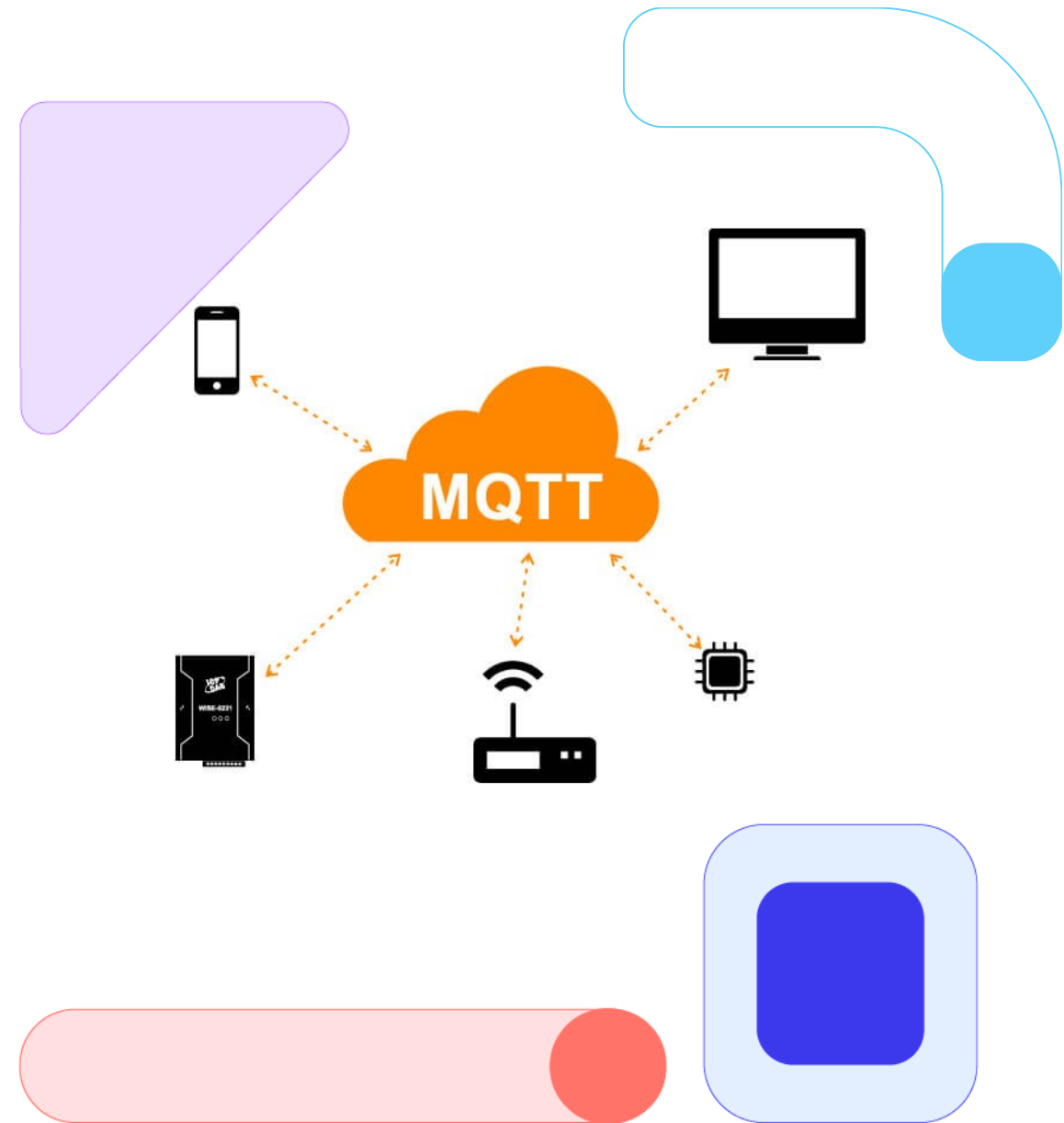
```
37 Calculate IServer as con($cwind.$getSuperVariable("server"),"/api/JamaMobiAPI/  
bestanden/blokjes")  
38 JavaScript:fetch(IServer).then(response => response.text()).then(response => _form  
callMethodEx("$laadBlokjes",0,response)).catch(function() { _form.  
callMethodEx("$requestFailed",0);})
```



# Communications

## MQTT

- 2 Way communication
- Everywhere at anytime
- Quality of Service Levels
  
- Need for a centralized server
- Lack of Built-in Error Handling

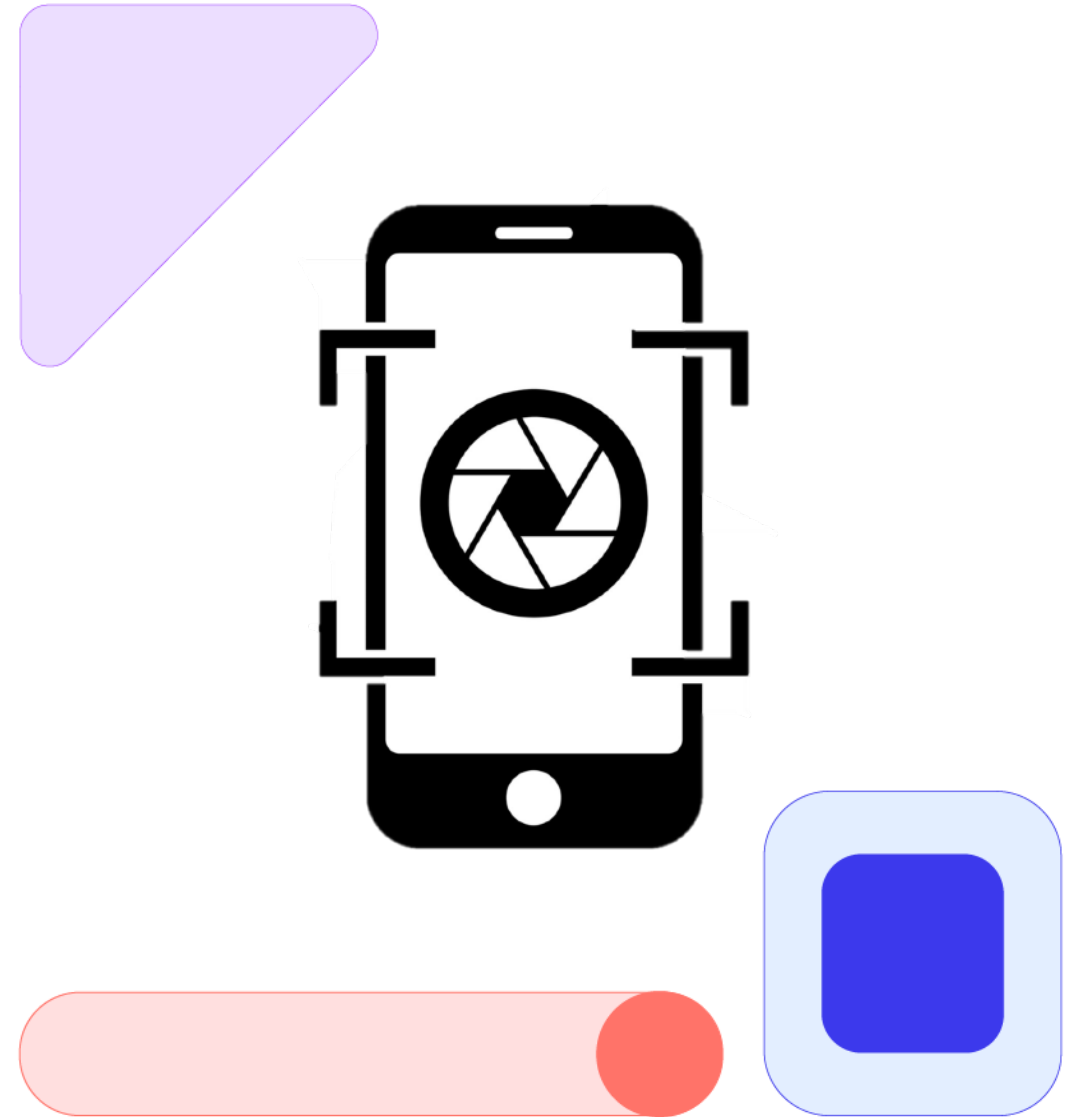




# Barcode scanner

Omnis device control

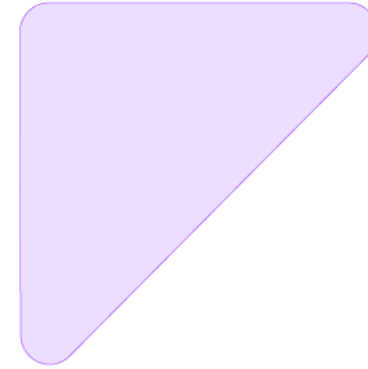
- Uses Phone Camera
- Very easy implementation
  
- Very slow on Iphone
- Limited range and accuracy



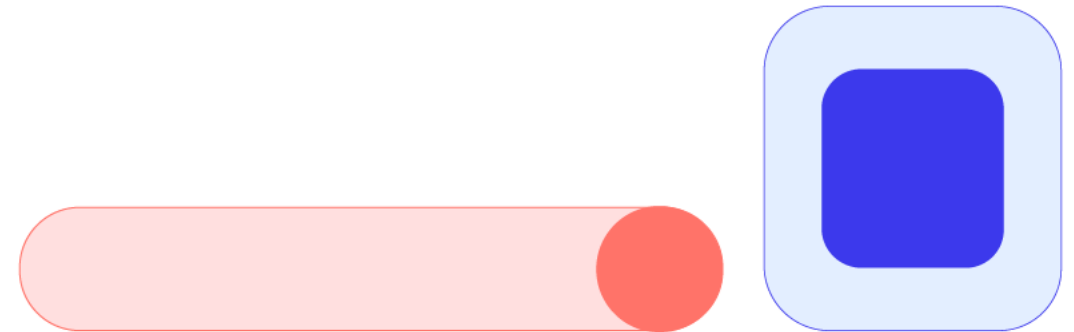
# Barcode scanner

Dedicated scanner

- Increased range
- Better decoder
  
- More expensive device



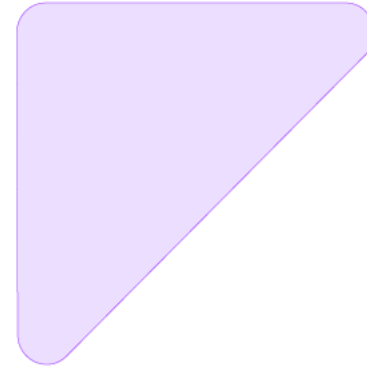
```
8 JavaScript>window.addEventListener("keyup",function(event) { _form.  
    callMethodEx("$onKeyPress",0,event.key) }, true);
```



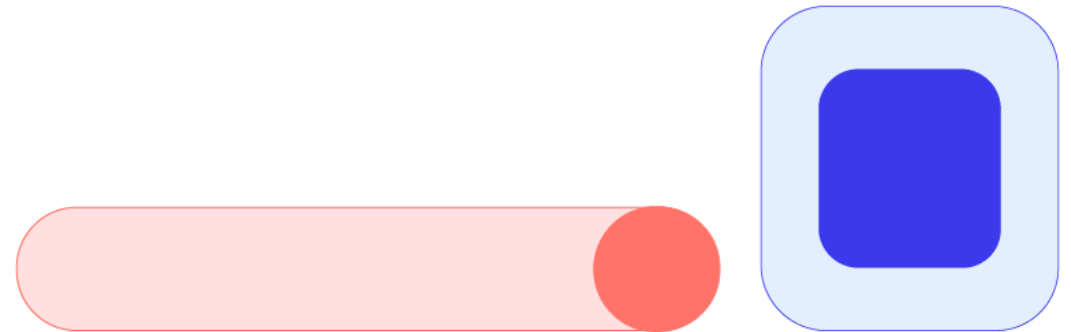
# Other Special features

## Swipe controls

- Using JavaScript to add swipe actions and gestions to an Omnis application.
- Everything JavaScript can you can integrate in an Omnis serverless client.
- Even external libraries can be loaded in.

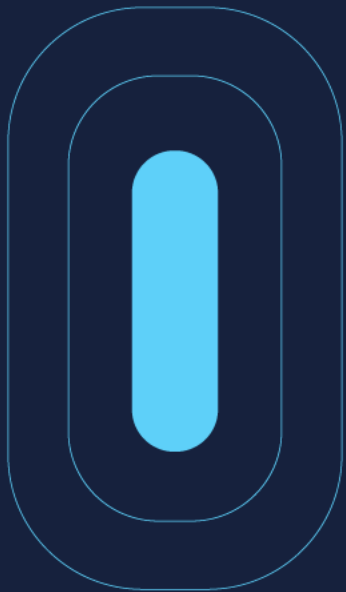


```
5  
6 JavaScript>window.addEventListener("touchmove",function(event) {  
    _form.callMethodEx("$onswipe",0,event.changedTouches[0].  
    pageX,event.changedTouches[0].pageY) }, true);
```





# Demo



**Thank you!**

