



# BD Rowa™ Vmotion Integration via WWKS 2+

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# BD Rowa™ Vmotion

OTC display



 [YouTube Rowa Vmotion™ – the next generation OTC display](#)

# Integrating BD Rowa™ Vmotion

using WWKS 2+ standard interface

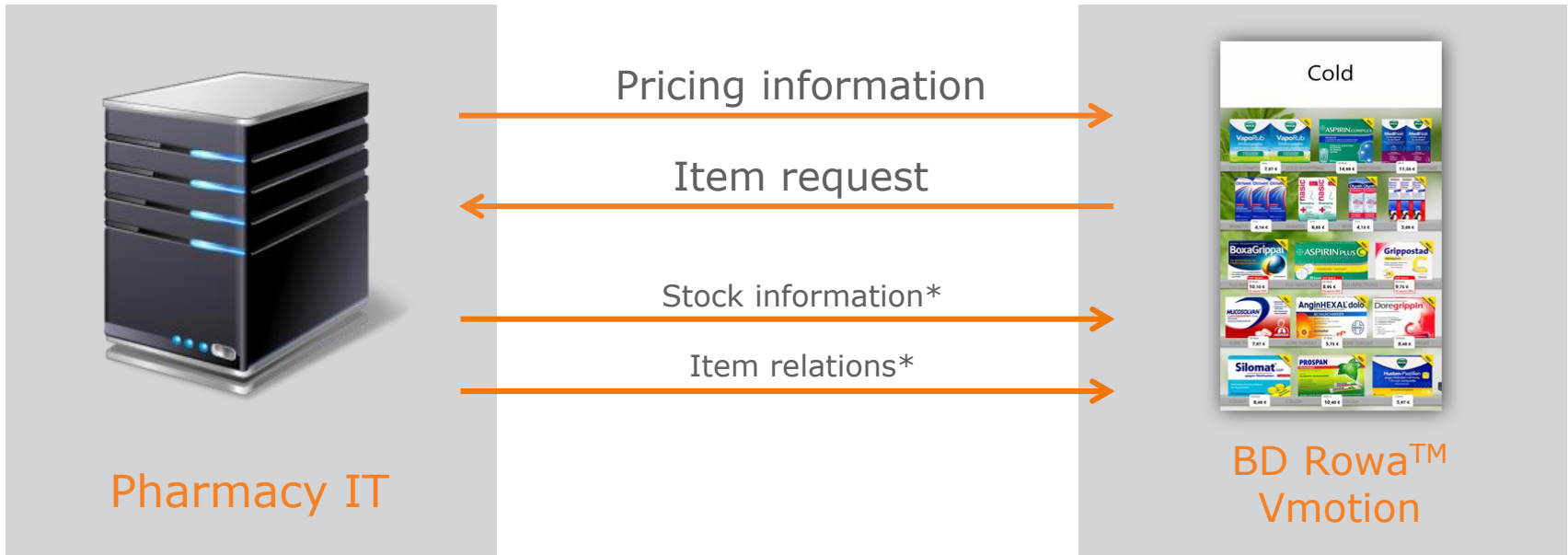


BD Rowa™ Mosaic:

Optional interface adapter within the Rowa pharmacy solution

# Use cases

WWKS 2+ for digital shelves



\* optional

# Pricing



# Pricing

Display queries current pricing information



## **ArticlePriceRequest**

List of item id's



max. 200 ms between request and response!

## **ArticlePriceResponse**

List of items with

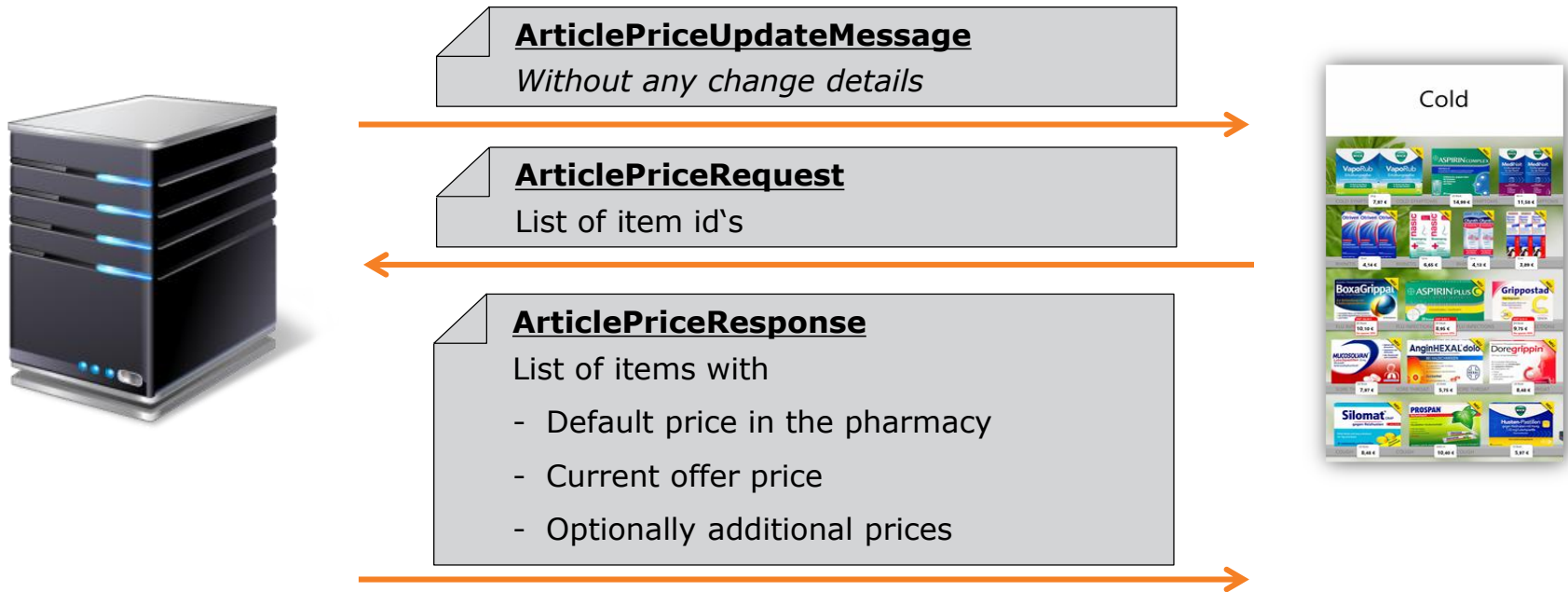
- Default price in the pharmacy
- Current offer price
- Optionally additional prices



- The device always queries the current prices for all items currently displayed..
- The device may show several prices for one item in parallel.

# Pricing

## Price change notification



- Pharmacy IT system notifies that at least one price of any item has changed.
- Device queries prices of all item currently displayed.

# Item request





# Item request

Selection of an item at the device should result in

- Taking over the item into the current transaction at the cash desk (similar to scanning a pack)
- Dispensing of the item from the automated storage and retrieval system



# Sales points

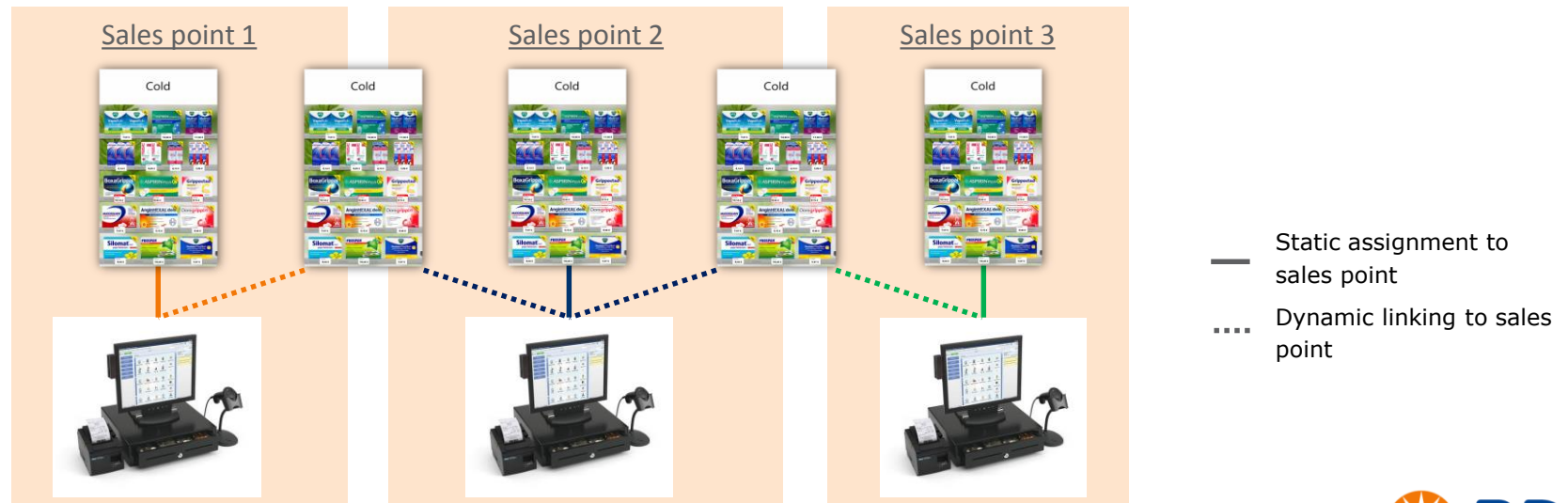
in WWKS 2+

## Sales point in a pharmacy:

Location where exactly one customer is served with device support at a point in time.

## Cash registers supported by digital OTC displays:

- Each cash register is a separate point of sale in the sense of WWKS 2+.
- A digital OTC display may be assigned to just one or to multiple cash registers.
- In case of assignment to multiple cash registers, the user chooses the cash desk when selecting an item.
- Assigned sales points are configured in the display and communicated by the device in the item request via WWKS 2+.



# Item request



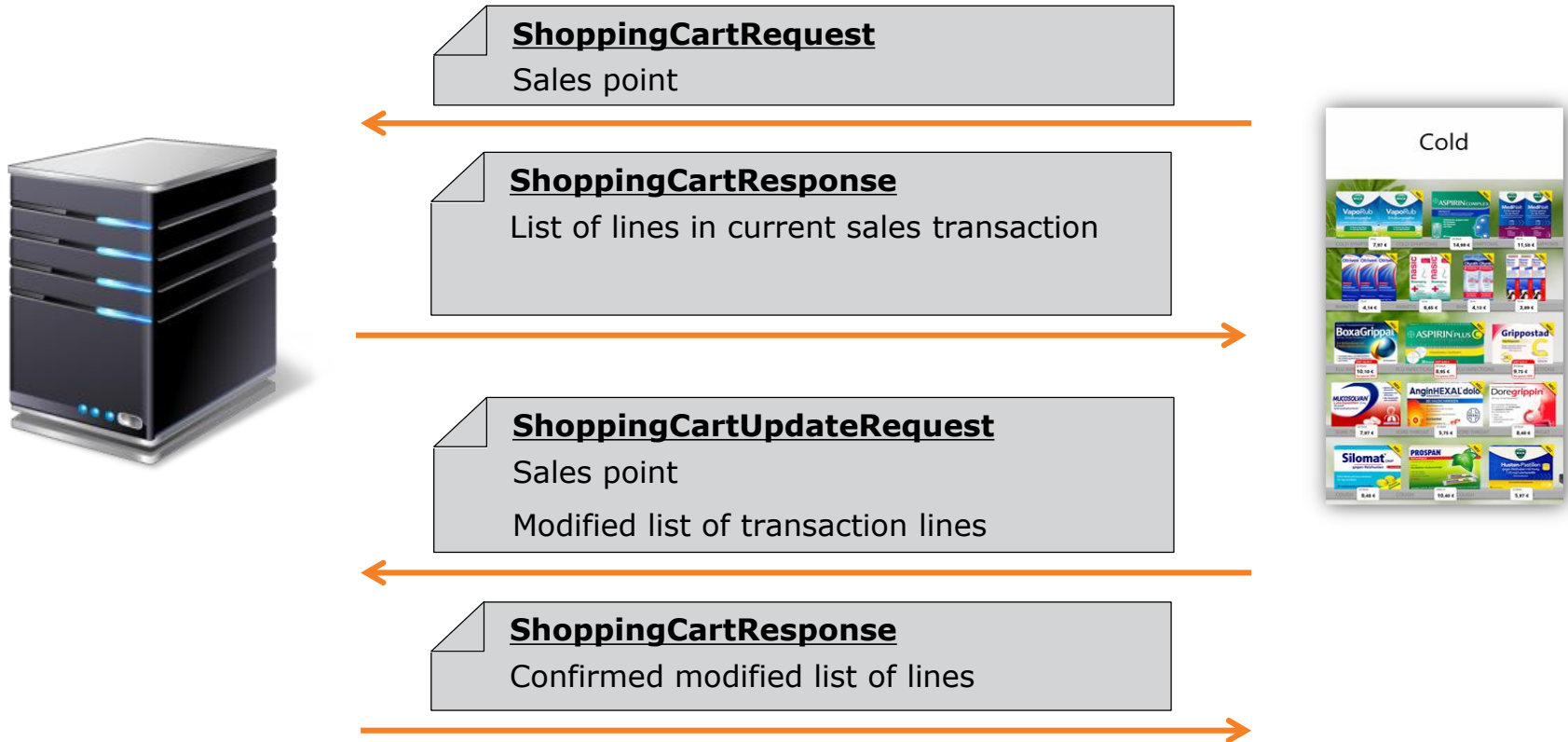
## ArticleSelectedMessage

Sales point,  
Item number, Quantity



- Support in Rowa Vmotion under development
- No confirmation towards device if request has been handled.

# Item request (deprecated)



- The device queries first the current content of the sales transaction handled at the sales point.
- Device adds selected item to the shopping cart.

# Stock information / Item relations



# Stock information



## **StockInfoRequest**

List of item id's



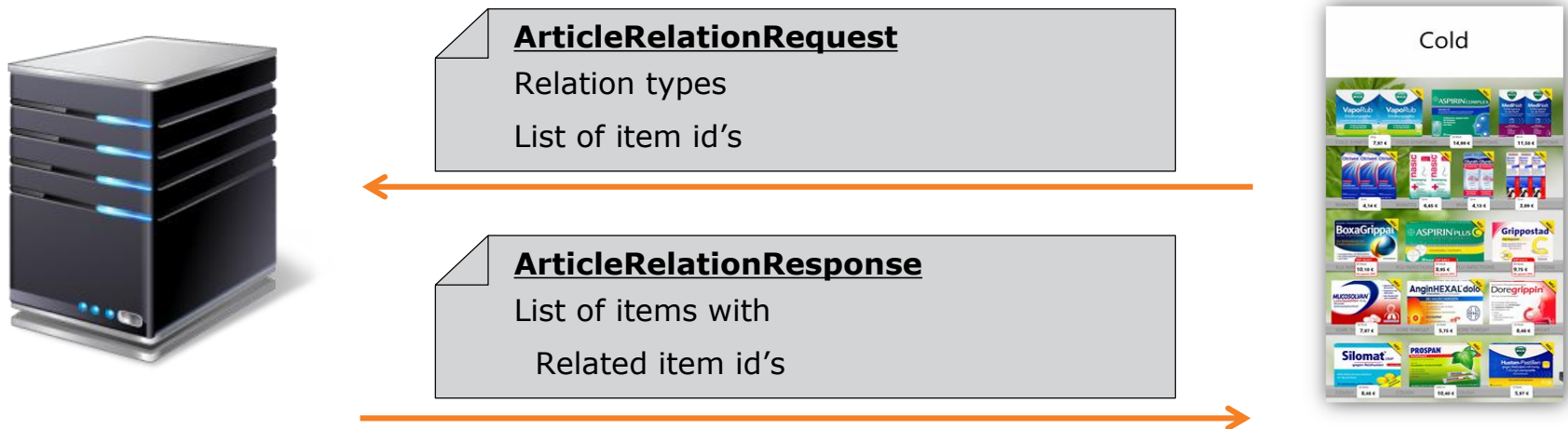
## **StockInfoResponse**

List of items with  
current number of packs in pharmacy



- Device uses information to show item availability
- Device queries stock information for items currently displayed.

# Item relations



- Relation types: Cross selling items, alternative items, alternative packaging sizes
- Device shows related items in detail view

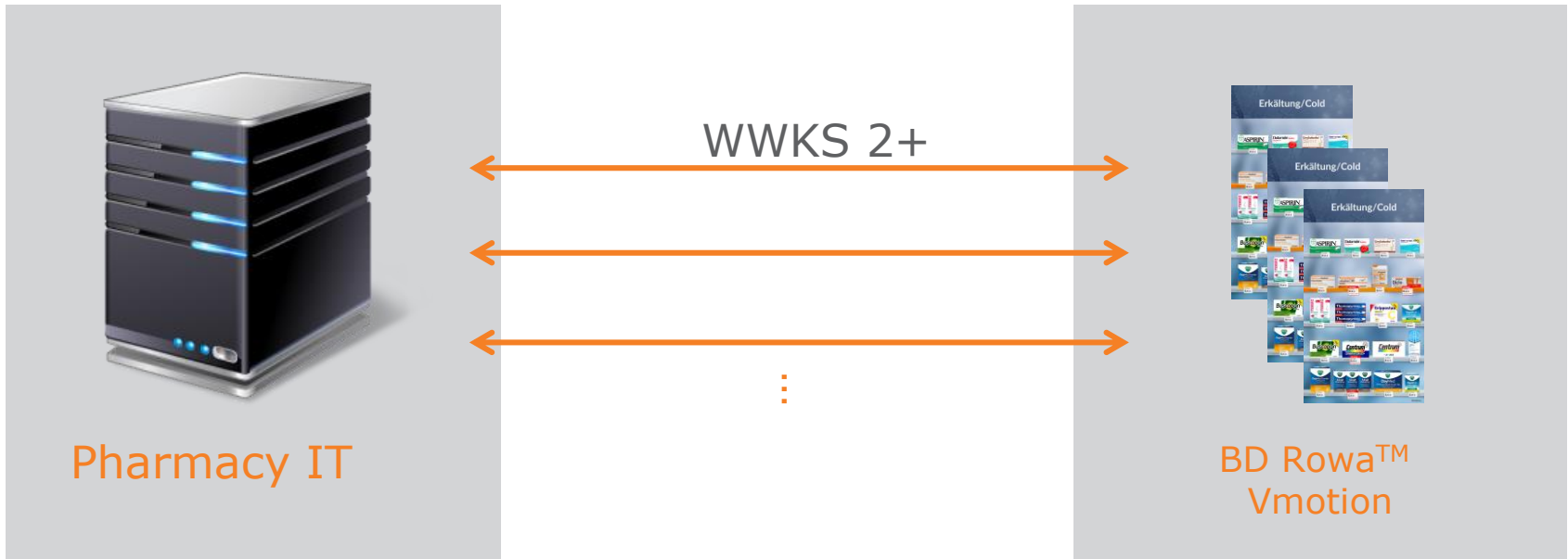
# Implementing WWKS 2+





# Connecting to multiple devices

Option 1: Dedicated connections (preferred)



Each device uses a dedicated connection to connect to the pharmacy IT system.

Pharmacy acts as server.

# Connecting to multiple devices

## Option 2: Connection sharing



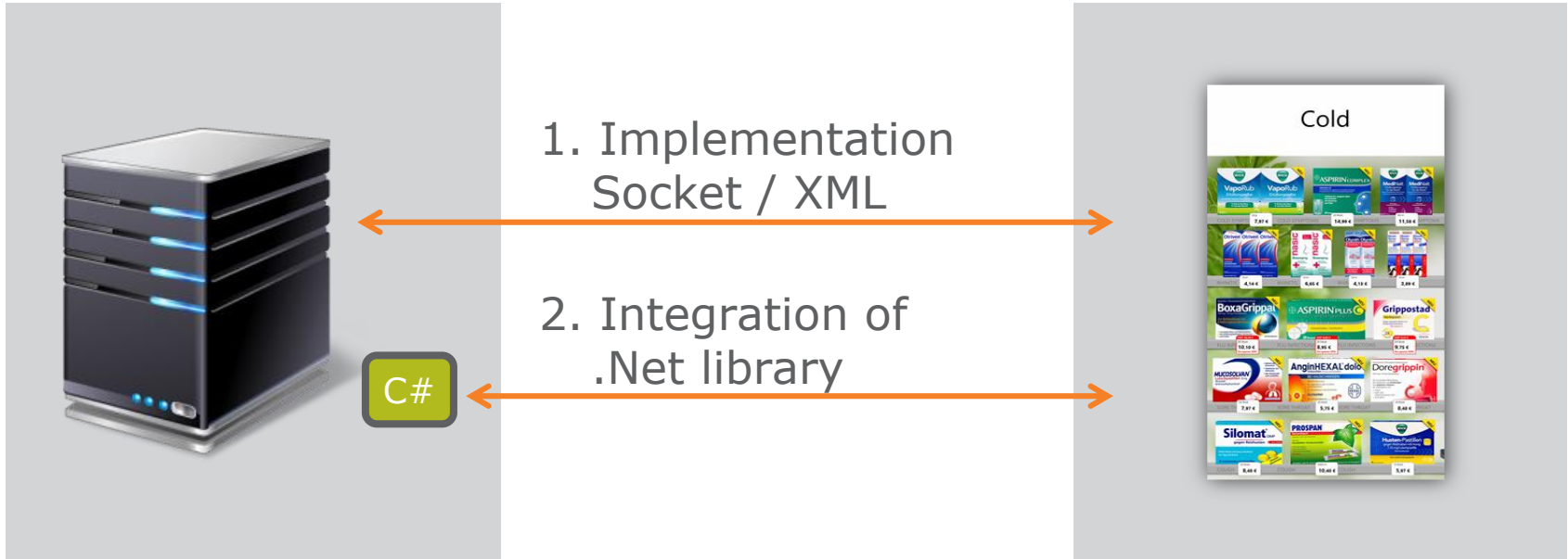
Multiple displays (and a robot) may share one WWKS 2+ connection.

They identify themselves by using different sales point id.

Pharmacy IT usually acts as client.

# Implementation Options

WWKS 2+



# Further Information

## Internet

<http://www.rowa.de/en/wwks2/>

- WWKS 2+ Reference Manuals
- WWKS 2+ SDK (with Testing Tools)

## Contact

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