Bialystok, Poland

June 18th 2018

SMobile and sCentral
1.7-1.8 versions
Service SPECIFICATION

sMobile CM solution is hosted on Azure Servers and Software as a Service is available under <https://yourdomain.catmanspace.com> , e.g. <https://demo.catmanspace.com> .

1. sCentral ver. 1.8 Specification of Services – 05.2018 *( May 2018 )*
2. sCentralWeb, general information

sCentralWeb is a web tool designed for managing Category Management Database Objects which are stored in sCentral DB (MS-SQL) or CKB(MS-SQL, Oracle) databases.
sCentralWeb is accessible after correct login and allows to manage 4 main areas of objects (including hierarchies):

* Products
* Stores
* Planograms
* Floorplans

Languages available in the application are: English, German, Russian and Polish. In order to ensure that the software is functioning properly, network connection is required. sCentralWeb is a place where Administrator can manage users and groups by assigning specific access rights to objects and operations. Access rights concern sCentralWeb and sMobile users.

sCentralWeb application allows users to perform operations which are listed in the table below:

|  |  |  |
| --- | --- | --- |
| Area | Functionality | Version |
| Stores | Display Stores and Stores’ hierarchy | 1.7 |
| Stores | Add Stores’ hierarchy node | 1.7 |
| Stores | Edit Stores’ node properties | 1.7 |
| Stores | Delete Stores’ node  | 1.7 |
| Stores | Change Stores’ node in the hierarchy | 1.7 |
| Stores | Add a Store | 1.7 |
| Stores | Edit Store’s properties | 1.7 |
| Stores | Edit Store’s extended properties | 1.7 |
| Stores | Delete Stores | 1.7 |
| Stores | Assign Stores to stores’ hierarchy node | 1.7 |
| Stores | Search for a specific Store | 1.7 |
|  |  |  |
| Products | Display Products and Products’ hierarchy | 1.7 |
| Products | Add Products’ node | 1.7 |
| Products | Edit Product’s node properties | 1.7 |
| Products | Delete Products’ node  | 1.7 |
| Products | Change Products’ node in the hierarchy | 1.7 |
| Products | Add Products | 1.7 |
| Products | Edit Products’ properties | 1.7 |
| Products | Edit Product’s extended properties | 1.7 |
| Products | Delete Products | 1.7 |
| Products | Manage Products’ package size  | 1.7 |
| Products | Manage Products assignment to Planograms | 1.7 |
| Products | Manage documents attached to Products | 1.7 |
| Products | Assign Products to Products’ hierarchy node | 1.7 |
| Products | Search for a specific Product | 1.7 |
| Planograms | Display Planograms and Planograms’ hierarchy | 1.7 |
| Planograms | Add Planograms’ node | 1.7 |
| Planograms | Edit Planograms’ node properties | 1.7 |
| Planograms | Delete Planograms’ node  | 1.7 |
| Planograms | Change Planograms’ node in hierarchy | 1.7 |
| Planograms | Add Planograms | 1.7 |
| Planograms | Edit Planograms’ properties | 1.7 |
| Planograms | Edit Planograms’ extended properties | 1.7 |
| Planograms | Delete Planograms | 1.7 |
| Planograms | Manage Planograms’ merchandising settings and rights | 1.7 |
| Planograms | Manage Planograms assignment to Stores | 1.7 |
| Planograms | Manage Products assignment to Planograms | 1.7 |
| Planograms | Planogram versioning | 1.7 |
| Planograms | Manage documents assigned to Planograms | 1.7 |
| Planograms | Manage Planograms assignment to Floorplans | 1.7 |
| Planograms | Assign Planograms to Planograms’ hierarchy nodes | 1.7 |
| Planograms | Searching for a specific Planogram | 1.7 |
| Planograms | Manage Planograms’ highlights | 1.7 |
| Planograms | Manage Planogram’s lifecycle | 1.7 |
| Floorplans | Display Floorplans and Floorplans’ hierarchy | 1.7 |
| Floorplans | Add Floorplans’ node | 1.7 |
| Floorplans | Edit Floorplans’ nodes properties | 1.7 |
| Floorplans | Delete Floorplans’ nodes | 1.7 |
| Floorplans | Change Floorplans’ nodes in hierarchy | 1.7 |
| Floorplans | Add Floorplans | 1.7 |
| Floorplans | Edit Floorplans’ properties | 1.7 |
| Floorplans | Edit Floorplans’ extended properties | 1.7 |
| Floorplans | Delete Floorplans | 1.7 |
| Floorplans | Manage Floorplans assignment to Stores | 1.7 |
|  |  |  |
| Floorplans | Floorplan versioning | 1.7 |
| Floorplans | Manage documents assigned to Floorplans | 1.7 |
| Floorplans | Manage Planograms assignment to Floorplans | 1.7 |
| Floorplans | Assign Floorplans to Floorplans’ hierarchy nodes | 1.7 |
| Floorplans | Search for a specific Floorplan | 1.7 |
| Floorplans | Manage floorplans’ highlights | 1.7 |
| Administration | Manage users | 1.7 |
| Administration | Manage groups | 1.7 |
| Administration | Manage Object Access Rights | 1.7 |
| Hierarchy | Access to more than one CKB Database Hierarchy node on the top level | 1.8 |
| *User Access Rights Management* | *Possibility to define User Access Rights per Planogram and Floorplan status* | *1.9* |
| Integration with CKB | *CKB synchronization with web users , groups , Object Level Access rights* | *1.9* |
| Integration with CKB | *sCentral CKB Connector - Planogram and Floorplan Web Publisher integration with delivering pdf-s as system documents for sMobile* | *1.9* |
| Image Management | *Improvements in importing and managing product images* | *1.9* |

1. sMobile Application functionality range . *( May 2018 )*
2. General information

sMobile is a tool designed for supporting Category Management Business Processes (Space Planner, Floor Planner). It is a mobile device application which supports three main mobile platforms:

* Android – current application version is 1.8
* Windows – current application version is 1.7
* iOS – current application version is 1.7

The release of 1.9 sMobile version is planned for early June / late July 2018 and the features planned for delivery in 1.9 version are in blue font.

English is the main language in the application and translations to: German, Russian and Polish are also available. In order to ensure that the software is functioning properly, network connection is required.

1. System requirements

Software and hardware requirements are listed in the table, as below:

|  |  |  |  |
| --- | --- | --- | --- |
| *Requirement* | *Windows* | *Android* | *iOS* |
| sMobile Version  | 1.7 | 1.8 | 1.7 |
| Operating system | Windows 10 | Android 5.0 or higher | iOS 9.0 or higher |
| 32-bit / 64 – bit processor  | Both | Both | 64 bit |
| Access to the Store | Windows Store | Google Play | Apple App Store |
| Device version | Full HD Tablet Laptop Desktop Computer | Android Tablet | Apple Tablet |
| RAM Memory | Min. 2 GB for tabletMin. 8 GB for computer | Min. 2 GB |
| Processor | Dual Core Intel / AMD processor | - |
| Minimal Screen Size  | 8 inches |
| Recommended Screen Size | 10 inches |
| Internet connection | sMobile requires network connection to exchange data with Central Database. |
| Network Requirement | Access to https protocol on port 443. |
| *Proxy* | No proxy support. |

1. Objects and operations

sMobile application allows users to access objects that can be stored in sCentral (MS-SQL) or CKB ( MS-SQL, Oracle) database. After logging in, users can perform operations which are listed in the next part of this document.

sMobile application allows users to perform operations and access objects which are listed in the table below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Area | Functionality  | Android | iOS | Windows |
| *Stores* |
| Stores | Display Stores and Stores’ hierarchy | 1.7 | 1.3 | 1.3 |
| Stores | Manage documents attached to Stores | 1.7 | 1.3 | 1.3 |
| Stores | Add Stores’ hierarchy nodes | 1.7 | X | X |
| Stores | Rename Stores’ hierarchy nodes | 1.7 | X | X |
| Stores | Delete Stores’ hierarchy nodes | 1.7 | X | X |
| Stores | Move Stores’ hierarchy nodes | 1.7 | X | X |
| Stores | Move Stores in Stores’ hierarchy | 1.7 | X | X |
| Stores | Search Stores in Stores’ hierarchy | 1.7 | 1.3 | 1.3 |
| Stores | Access to more than one node in CKB hierarchy on the top level | 1.8 | 1.8 | 1.8 |
| *Products* |
| Products | Display Products and Products’ hierarchy | 1.7 | 1.3 | 1.3 |
| Products | Display Products and nodes’ images | 1.7 | 1.3 | 1.3 |
| Products | Add Products | 1.7 | 1.3 | 1.3 |
| Products | Edit Products | 1.7 | 1.3 | 1.3 |
| Products | Attach documents to Products | 1.7 | 1.3 | 1.3 |
| Products | Delete Products | 1.7 | X | X |
| Products | Add Products’ hierarchy nodes | 1.7 | 1.3 | 1.3 |
| Products | Rename Products’ hierarchy nodes | 1.7 | 1.3 | 1.3 |
| Products | Delete Products’ hierarchy nodes | 1.7 | 1.3 | 1.3 |
| Products | Move Products’ hierarchy nodes | 1.7 | 1.3 | 1.3 |
| Products | Move Products in Products’ hierarchy nodes | 1.7 | X | X |
| Products | Search for Products in Products’ hierarchy | 1.7 | 1.3 | 1.3 |
| Products | Access to more than one node in CKB hierarchy on the top level | 1.8 | 1.8 | 1.8 |
| *Planograms* |
| Planograms | Display Planograms and Planograms’ hierarchy | 1.7 | 1.3 | 1.3 |
| Planograms | Display Planograms and nodes’ images | 1.7 | 1.3 | 1.3 |
| Planograms | Add Planograms | 1.7 | 1.3 | 1.3 |
| Planograms | Edit Planograms | 1.7 | 1.3 | 1.3 |
| Planograms | Attach documents to Planograms | 1.7 | 1.3 | 1.3 |
| Planograms | Add Planograms’ hierarchy nodes | 1.7 | 1.3 | 1.3 |
| Planograms | Rename Planograms’ hierarchy nodes | 1.7 | 1.3 | 1.3 |
| Planograms | Delete Planograms’ hierarchy nodes | 1.7 | 1.3 | 1.3 |
| Planograms | Move Planograms’ hierarchy nodes | 1.7 | 1.3 | 1.3 |
| Planograms | Search for Planograms in Planograms’ hierarchy | 1.7 | 1.3 | 1.3 |
| Planograms | Open Planograms from PSA files | 1.7 | 1.3 | 1.3 |
| Planograms | Access to more than one node in CKB hierarchy on the top level | 1.8 | 1.8 | 1.8 |
| *Floorplans* |
| Floorplans | Display Floorplans and Floorplans’ hierarchy | 1.7 | 1.3 | 1.3 |
| Floorplans | Display Floorplans and nodes’ images | 1.7 | 1.3 | 1.3 |
| Floorplans | Add Floorplans | 1.8 | 1.3 | 1.3 |
| Floorplans | Edit Floorplans | 1.8 | 1.3 | 1.3 |
| Floorplans | Attach documents to Floorplans | 1.8 | 1.3 | 1.3 |
| Floorplans | Delete Floorplans | 1.8 | X | 1.3 |
| Floorplans | Add Floorplans’ hierarchy nodes | X | 1.3 | 1.3 |
| Floorplans | Rename Floorplans’ hierarchy nodes | X | 1.3 | 1.3 |
| Floorplans | Delete Floorplans’ hierarchy nodes | X | 1.3 | 1.3 |
| Floorplans | Move Floorplans’ hierarchy nodes | X | 1.3 | 1.3 |
| Floorplans | Searching for Floorplans in Floorplans’ hierarchy | 1.7 | 1.3 | 1.3 |
| Floorplans | Open Floorplans from PFA files | x | x | 1.3 |
| Floorplans | Access to more than one node in CKB hierarchy on the top level | 1.8 | 1.8 | 1.8 |

1. Planogram Editor

Planogram Editor is a part of the application which allows Space Planners to perform operations which are necessary in Space and Shelf management process. Planogram Editor allows users to create, edit, control compliance and manage planograms. Users can work with planogram by:

* Managing segments
* Managing fixtures (List of supported fixtures for each platform is listed in the next part of this document)
* Managing position and products.
	+ Increasing or decreasing facings
	+ Moving positions
	+ Adding or deleting products
	+ Editing products
* Using labels, highlights and properties.

The application also allows users to create a shelf-survey (build a fixture in a specific store and compare it to a fixture which was designed and is required by the headquarters).

Using sMobile , users can report current situation in a specific store by creating a “Realogram” and compare it to the original planogram which was designed and assigned by the headquarters to a specific store.

Planogram Editor functionalities are listed below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Area* | *Functionality* | *Android* | *iOS* | *Windows* |
| Fixture | Shelf – possibility to use shelves | 1.7 | 1.3 | 1.3 |
| Fixture | Pegboard – possibility to use pegboards | 1.7 | 1.9 | 2.0 |
| Fixture | Multirow pegboard – possibility to use multirow pegboards | 1.7 | 1.9 | 2.0 |
| Fixture | Sign – possibility to use signs | 1.7 | 1.3 | 2.0 |
| Fixture | Obstruction – possibility to use obstructions | 1.7 | 1.3 | 2.0 |
| Fixture | Drawings – possibility to create drawings | 1.7 | 2.0 | 2.0 |
| Movement | Moving a fixture displays its distance from the ground | 1.7 | 2.0 | 1.7 |
| Movement | Snapping fixtures to segments | 1.7 | 1.3 | 1.3 |
| Operations | Add positions from a database | 1.7 | 1.3 | 1.3 |
| Operations | Add positions from the planogram | 1.7 | 1.3 | 1.3 |
| Operations | Add positions by scanning barcodes with a Bluetooth scanner | 1.7 | 2.0 | X |
| Operations | Add positions by scanning barcodes with a camera | 1.7 | 2.0 | X |
| Operations | Edit objects’ properties | 1.7 | 1.3 | 1.3 |
| Operations | Delete objects | 1.7 | 1.3 | 1.3 |
| Operations | Multiselect of objects | 1.7 | 2.0 | 1.9 |
| Operations | Multiselect deleting | 1.7 | 2.0 | 1.9 |
| Operations | Multiselect movement | 1.7 | 2.0 | 1.9 |
| Operations | Undo - Redo mechanism | 1.7 | 1.3 | 1.3 |
| Operations | Save, Save as , Save as new Version - options | 1.7 | 1.3 | 1.3 |
| Operations | Upload to cloud options | 1.7 | 1.3 | 1.3 |
| Operations | Add planogram positions from products attached to planogram from performance records | 1.7 | 1.3 | 1.7 |
| Operations | Add multiple products to a planogram | 1.7 | 1.3 | 1.7 |
| Options | Enable shelves movement | 1.7 | 1.3 | 1.3 |
| Options | Enable segment groups | 1.7 | 1.3 | 1.3 |
| Options | Sharing a planogram | 1.7 | 1.3 | 1.3 |
| Properties | Attach documents to planogram | 1.7 | 1.3 | 1.3 |
| Properties | Save Date from/Date to Status when saving planograms to a database | 1.7 | 1.3 | 1.9 |
| Properties | General settings : Name, Category, Department | 1.7 | 1.3 | 1.3 |
| Properties | Dimensions, Colours, Base , Backboard | 1.7 | 1.3 | 1.3 |
| Properties | Merchandising on X,Y,Z axes. | 1.7 | 1.3 | 1.3 |
| Properties | Segments | 1.7 | 1.3 | 1.3 |
| Properties | Documents | 1.7 | 1.3 | 1.3 |
| Properties | Date to/Date From Status | 1.7 | 1.9 | 1.9 |
| Reporting | Dynamic properties | 2.0 | 1.3 | 1.9 |
| Reporting | Configurable highlights - Group by | 1.7 | 1.3 | 1.9 |
| Reporting | Configurable highlights - Spectrum | 1.7 | 1.3 | 1.9 |
| Tools | Increase/decrease facings on a fixture | 1.7 | 1.3 | 1.3 |
| Tools | Alignment tools | 1.7 | 2.0 | 2.0 |
| Tools | Mirroring tools | 1.7 | 1.3 | 1.7 |
| Tools | Switching the view : Top, Front, Left, Right | 1.7 | 1.3 | 1.3 |
| Tools | Displaying labels switching | 1.7 | 1.3 | 1.3 |
| Tools | Displaying images switching | 1.7 | 1.7 | 1.7 |
| Tools | Searching objects inside a planogram | 1.7 | 1.3 | 1.3 |
| Data collecting | Shelf survey | 1.7 | 1.3 | 1.3 |
| Data collecting | Realogram and Planogram functionality | 1.7 | 1.3 | 1.3 |
| Fixtures | Possibility to use Combining Fixtures | 1.9 | 1.7 | 2.0 |
| Fixtures | Possibility to set overhangs for available fixtures | 1.9 | 1.7 | 2.0 |
| Fixtures | Possibility to set automatic dividers for fixtures | 1.9 | 1.7 | 2.0 |
| Fixtures | Possibility to use Manual Dividers | 1.9 | 1.7 | 2.0 |
| User Access Rights | Handling User Access Rights per Status | 1.9 | 1.9 | 1.9 |
| Fixture | Possibility to use Chests | 1.9 | 2.0 | 2.0 |
| Fixture | Possibility to use Bins | 1.9 | 2.0 | 2.0 |

1. Floorplan Editor

Floorplan Editor is a part of the application which allows Floor Planners to perform operations necessary in floor management process. Planogram Editor allows users to create, edit and manage floorplans. Users can work with floorplans by :

* Creating new or changing existing floorplans
* Adding and removing fixtures and sections
* Managing fixtures (List of supported fixtures for each platform is listed in the next part of this document)
* Managing fixtures and sections, changing their properties
* Using labels and properties to check floorplans’ compliance
* Creating floorplans from scratch

Floorplan Editor functionalities are listed below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Area | Functionality | Android | iOS | Windows |
| Departments | Draw departments | 1.8 | 1.3 | 1.3 |
| Fixture | Add regular fixtures | 1.8 | 1.3 | 1.3 |
| Fixture | Add planograms | 1.8 | 1.3 | 1.3 |
| Fixture | Add sections | 1.8 | 1.3 | 1.3 |
| Movement | Improvements when adding fixtures from scratch | 1.8 | 1.7 | 1.3 |
| Obstruction | Add regular obstructions | 1.8 | 1.3 | X |
| Operations | Edit Planograms from Floorplan Editor | 1.8 | 1.3 | 1.3 |
| Operations | Open Floorplans from PFA files | X | x | 1.3 |
| Operations | Edit object properties | 1.8 | 1.3 | 1.3 |
| Operations | Delete objects | 1.8 | 1.3 | 1.3 |
| Operations | Undo - Redo mechanism | 1.7 | 1.3 | 1.3 |
| Operations | Save, Save as , Save as new Version - options | 1.8 | 1.3 | 1.3 |
| Operations | Upload to cloud options | 1.8 | 1.3 | 1.3 |
| Options | Drag and drop objects mode | 1.8 | 1.7 | 1.3 |
| Options | Show grid lines in Floorplan Editor | 1.7 | 1.3 | 1.3 |
| Properties | Attach documents to Floorplans | 1.8 | 1.3 | 1.3 |
| Properties | Name, dimensions, colours, documents | 1.8 | 1.3 | 1.3 |
| Properties | Fixtures: Name, Department, Dimensions, Merchandising, Sections | 1.8 | 1.3 | 1.3 |
| Tools | Displaying labels switching | 1.8 | 1.3 | 1.3 |
| Tools | Rotation arrows | 1.8 | 1.3 | 1.3 |
| Other | Sharing Floorplans | 1.8 | 1.3 | 1.3 |
| User Access Rights | Handling User Access Rights per Status | 1.9 | 1.9 | 1.9 |