NEXCAP® WEB PLATFORM USER GUIDE

ANNEX – MULTI CONTEXT

Date: 16/08/2017   **Document reference: D2017-1290**   **Version: 2.2**

TABLE OF CONTENTS

Table of figures

1 | CONTEXT MANAGEMENT

1 | 1   Create - Edit

Context management is achieved by Nexess. Through the Web client platform, the user can create, edit and delete a context on the menu System -> Multi-context.
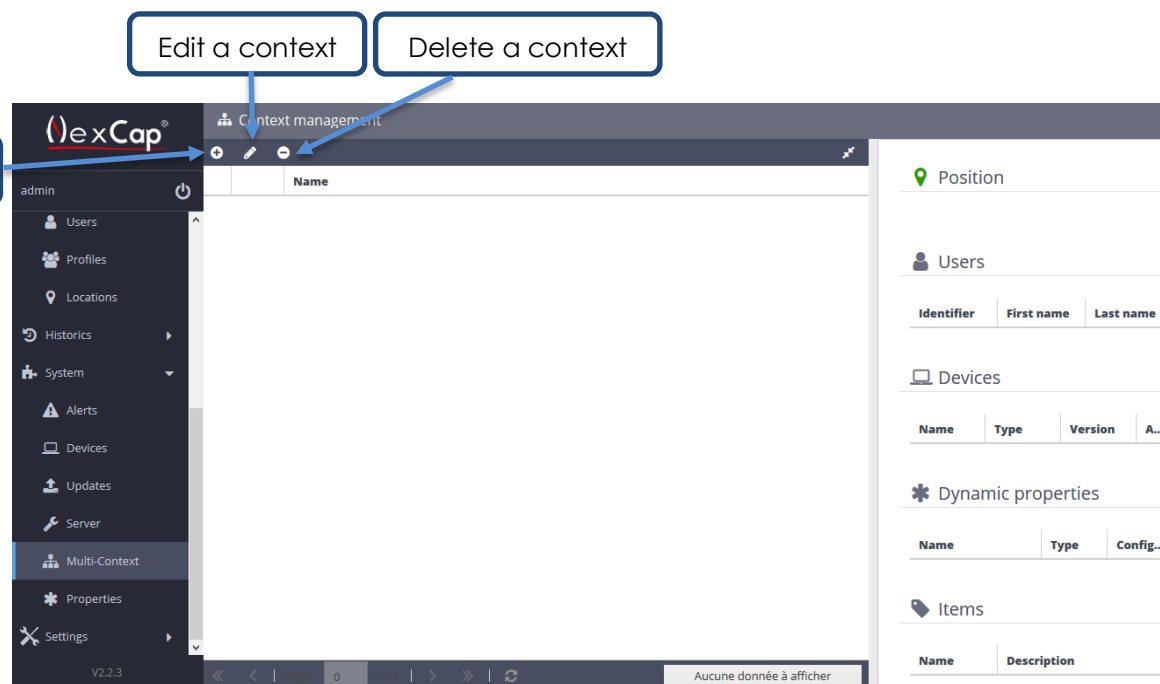

Figure 1 Context management screen

The user click on the button ⊕ to create a new context. A window appears with the following fields.

- Name - **required**
- *Restrictions*: Elements to restrict (dynamic properties or items)
- Position: Root position of the context - **required**

- Allowed users

Figure 2 Users selection screen

o A window shows the list of all users created in the application. This list can be filtered by :

- First name
- Last name
- Identifier
- Badge number
- Profile

o A user can be allowed to different contexts. In the Web client platform, a pop-up suggests to the user to choose the context he wants to be connected to.

Figure 3 Context selection screen

Once the user connected to a context, its name is displayed under the identifier. The user can change it by clicking on the context name. The selection context pop-up will appear.

Figure 4 Context name

- Allowed devices

Figure 5 Devices selection

o A window shows the list of all devices connected to the application. This list can be filtered by :
- Device name
- Type
- Version
- Authorization

- Dynamic properties – if a restriction on dynamic properties is checked

Figure 6 Properties selection screen

o A window shows the list of all devices connected to the application. This list can be filtered by :
- Property name
- Type
- Configuration

- Items – if a restriction on items is checked

o A window shows the list of all devices connected to the application. This list can be filtered by :

- Name
- Reference code
- Reference designation
- Category

Figure 7 Items selection screen

1 | 2   Delete

To delete a context, the user selects the context on the table then click on the button above the table.

A confirmation message appears before deleting the context.

Figure 8 Confirmation message to delete a context

1 | 3   Detail view

On the menu System -> Multi-context, information of each context is displayed on the detail view at the right of the table. It summarizes the context configuration.

📍 Position

👤 Users

Identifier	First name	Last name

🖥 Devices

Name	Type	Version	A...

✳ Dynamic properties

Name	Type	Config...

🏷 Items

Name	Description

Figure 9 Context detail view screen

2 | PRINCIPLES OF MULTI-CONTEXT

2 | 1   Data partitioning

A context can be partitioned in three different levels. These levels can also be combined.

2 | 1 | 1   Position

If only the position is mentioned at the context management without any restriction on properties or items, the user allowed to the context will see all data about this position and its sub locations.

2 | 1 | 2   Items

In addition to the position, a restriction can be settled on items. In this case, the items restricted are listed in the context creation and/or edition of a context.

The user allowed to this context will see only the items selected on the context configuration.

2 | 1 | 3   Properties

In addition to the position, a restriction can be settled on properties. In this case, the properties restricted are listed in the context creation and/or edition of a context.

The user allowed to this context will see only the properties selected on the context configuration. This affects the following menus:

- Consultation
  - o   Items
  - o   Material sets
- Management
  - o   Items
  - o   Categories
  - o   References
  - o   Users
  - o   Locations
- System
  - o   Properties

If the context configuration includes both restriction on items and properties, the user allowed to the context will only see items with the properties selected on the context configuration.

2 | 2   Common referential

The multi context owns a common referential visible by all contexts. This referential concerns:

- **Categories**

All users have access to all categories of the NexCap solution.

- **References**

All users have access to all references and material sets of the NexCap solution. The menus affected are:

  o Consultation -> Material sets

  o Management -> References

- **Profiles**

Profiles are linked to the global referential. They can be created, edited or deleted on any context.

- **Stock levels**

Stock levels are linked to references and so the global referential.

- **Specific checks**

The historic of specific checks is not linked to a context and neither its administration. The menus concerned are:

  o Historic -> Checks

  o Settings -> Specific checks

- **Alerts, notif mails and web client configurations**

These three elements are common for all the NexCap solution.

2 | 3   Business rules approach

2 | 3 | 1   Items

Items in a context are defined by three notions:

- Last known position

- Assignation address

- Current address

Therefore, the user will see in the context allowed to only items that have one or more of the above three notions in its context locations.

In addition to that, if the context configuration contains an item restriction, the user will see only items mentioned on the configuration.

At the **creation** of an item, this one is attached to the context the user is connected to.

2 | 3 | 2   Current alerts

Alerts displayed are linked to an address of one of the context location.

2 | 3 | 3   Intervention orders

Orders are linked to the context the user is connected to at their creation. On the menu Business -> Orders, the table will contain only those orders.

2 | 3 | 4   Reception

The reception through the web client concerns only the items and locations linked to the context.

On the menu Business -> Receiving, the user can only receive those items in an address present in its context. The table displays all the reception operations of the context items.

2 | 3 | 5   Consultation

► **Borrowings, Sendings, maintenances and calibrations**

These menus display the actual operations that concern only the context items.

2 | 3 | 6   Users

The users' administration concerns all users allowed to the context through the context configuration.

If the user is created on a context, it's automatically linked to it. Therefore, the list of the allowed users on the context configuration changes.

The users seen in the context A are the users belonging to this context, plus the users which are in a context B of which the location is contained by the context A.

2 | 3 | 7   Locations

The locations root is the position defined on the context configuration. The user connected to the context can see all its sub positions and sub locations.

The user can create a position and/or a location by choosing the parent position on its context.

2 | 3 | 8   Historics

►   Operations

The operations historic contains the operations achieved from or to a location in the context (even if the item is not in the context anymore). In others words, if one of those addresses is present in the context, the operation is displayed:

- Source address
- Destination address

The user can also see all the operations linked to an item whatever its context, even if these one are not achieved in the context. For this, the user filters the operations on the item name (simple text field).

►   Inventories

The inventories displayed on the table are those with a location address present on the context.

►   Alerts

The alerts historic concerns the operation alerts with a source address on the context and resolved.

2 | 3 | 9   Devices

At the context configuration, some devices can be allowed to the context.

On the menu System -> Devices, the user can see the devices allowed at the context configuration that have an address in the context and the unauthorized devices.

► **Device authorization**

The user authorizes a device, this one is then linked to the user context. In the configuration context, the device is added to the allowed devices.

Once authorized, the device is no more visible in others contexts.

Tablets are visible by all contexts on the menu System-> Devices.

► **Connection to a device**

The device see all elements of the context it's allowed to and not the user context.

2 | 3 | 10   Updates

Targeted devices list for the update package is limited to those allowed to the context.