

TEKLYNX CENTRAL 4.6

**PRINTING INTERFACE
USER'S GUIDE
EXTERNAL DATABASES**

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1 INTRODUCTION

This document contains a general description of all new and customized features available in TEKLYNX CENTRAL 4.6 Printing Interface application. These new features and a set of additional updates to existing functionality were implemented to provide a labelling solution based on external database.

The set of features described in this document are targeted on configuration of the following requested requirements:

- Display of products data within the grid
- Batch printing (local and network) of labels assigned to specific products
- Using filters which allows narrowing the search results to specific product

2 PRINT PAGE

The general view of Print page with the basic features is shown on Figure 1.

Printing of Label: Workstation: TKLVISTA-32
Logged In: print
[Help](#) [Logout](#)


USER: print *
CUSTOMER: Apple, Inc.
Work order: WORDER_5

MATERIAL: Polyvinylchloride
COLOR: Not selected
LABELCATEGORY: Not selected
APPROVALTYPE: Not selected


30 records found

Batch Printing Include	Product Name	Label Name
<input checked="" type="checkbox"/>	PRODUCT_12	Gamma lab
<input checked="" type="checkbox"/>	PRODUCT_22	Alpha lab
<input checked="" type="checkbox"/>	PRODUCT_39	Beta lab
<input checked="" type="checkbox"/>	PRODUCT_42	Zeta lab
<input checked="" type="checkbox"/>	PRODUCT_82	Omega lab
<input checked="" type="checkbox"/>	PRODUCT_83	Gamma lab
<input checked="" type="checkbox"/>	PRODUCT_114	Omega lab
<input checked="" type="checkbox"/>	PRODUCT_225	Alpha lab
<input checked="" type="checkbox"/>	PRODUCT_239	Beta lab
<input checked="" type="checkbox"/>	PRODUCT_250	Beta lab
<input checked="" type="checkbox"/>	PRODUCT_253	Omega lab
<input checked="" type="checkbox"/>	PRODUCT_424	Gamma lab
<input checked="" type="checkbox"/>	PRODUCT_504	Beta lab
<input checked="" type="checkbox"/>	PRODUCT_567	Alpha lab
<input checked="" type="checkbox"/>	PRODUCT_597	Epsilon lab
<input checked="" type="checkbox"/>	PRODUCT_638	Beta lab
<input checked="" type="checkbox"/>	PRODUCT_658	Omega lab
<input checked="" type="checkbox"/>	PRODUCT_664	Omega lab
<input checked="" type="checkbox"/>	PRODUCT_688	Gamma lab
<input checked="" type="checkbox"/>	PRODUCT_706	Omega lab

Label reference: GAMMA
Product: PRODUCT_12
Customer: Apple, Inc.



Material: Polyvinylchloride
Color: Lime
Size: 100



Product: PRODUCT_12
Label: @:\Desktop\LabelArchive\CODESOFT\Gamma\Gamma.lab
Printer: Bullzip PDF Printer,BULLZIP

Variables

PROD:PRODUCT: PRODUCT_12
VAR:SIZE: 100
PROD:LABEL_REF: GAMMA
PROD:CUSTOMER: Apple, Inc.
VAR:COLOR: Lime
VAR:MATERIAL: Polyvinylchloride

Figure 1 – Print page

2.1 Product or Work Order selection

Depending on configuration user is able to search specific label data based on product or workorder name. When entering text into **Product/Work order** field the system will propose up to 10 suggestions of existing names:

Work order: wo|

WORDER_3

WORDER_4

WORDER_5

WORDER_7

WORDER_8

Figure 2 – Product/Workorder autocomplete suggestions

2.2 Filtering data

If the system is configured with filters then additional fields (dropdowns) will be available for end user. Depending on filters configuration made by administrator there are filters which are applied to **Product/Work order** search field (they limit the autocomplete suggestions and label data available by product/workorder name):

Printing of Label:

USER: print *
CUSTOMER: Not selected
Work order:

Not selected

Apple, Inc.

Facebook, Inc.

GreenElectric

Microsoft

Figure 3 – Filters applied for Product/Work order field

The filter could be configured to be required filter. Such filters are marked with the red asterisk (*) right to filter dropdown (see Figure 3).

NOTE: It is impossible to initiate a search operation while values for required controls are not provided.

Another set of filter controls will be available after the **Search** button is clicked, and they are used for additional filtering the results in the data grid:

Printing of Label:

USER: *

CUSTOMER:

Work order:

MATERIAL:

COLOR:

LABELCATEGORY:

APPROVALTYPE:

Figure 4 – Additional filters displayed after the Product/Work order field

Some filters may depend on other filters. If one filter depends on a required filter, the first will be disabled until the value of required filter is selected.

NOTE: The **Search** button is used to search label data based on criteria set for **Product/Work order** field and all filters available on the Print page.

2.3 Search results and data grid

Each time the **Search** button is clicked the application will perform a search of products and labels data. If there are any results matching the provided search criteria and filters values the application will display them within a grid:

Printing of Label:

USER: *

CUSTOMER:

Work order:

MATERIAL:

COLOR:

LABELCATEGORY:

APPROVALTYPE:

88 records found

Batch Printing Include	Product Name	Label Name
<input checked="" type="checkbox"/>	PRODUCT_2	Beta.lab
<input checked="" type="checkbox"/>	PRODUCT_6	Omega.lab
<input checked="" type="checkbox"/>	PRODUCT_35	Beta.lab
<input checked="" type="checkbox"/>	PRODUCT_38	Zeta.lab
<input checked="" type="checkbox"/>	PRODUCT_50	Zeta.lab
<input checked="" type="checkbox"/>	PRODUCT_72	Omega.lab
<input checked="" type="checkbox"/>	PRODUCT_87	Gamma.lab
<input checked="" type="checkbox"/>	PRODUCT_116	Alpha.lab
<input checked="" type="checkbox"/>	PRODUCT_120	Omega.lab
<input checked="" type="checkbox"/>	PRODUCT_125	Gamma.lab
<input checked="" type="checkbox"/>	PRODUCT_134	Omega.lab
<input checked="" type="checkbox"/>	PRODUCT_153	Alpha.lab
<input checked="" type="checkbox"/>	PRODUCT_159	Epsilon.lab
<input checked="" type="checkbox"/>	PRODUCT_162	Alpha.lab
<input checked="" type="checkbox"/>	PRODUCT_174	Epsilon.lab
<input checked="" type="checkbox"/>	PRODUCT_217	Alpha.lab
<input checked="" type="checkbox"/>	PRODUCT_257	Gamma.lab
<input checked="" type="checkbox"/>	PRODUCT_268	Gamma.lab
<input checked="" type="checkbox"/>	PRODUCT_277	Gamma.lab
<input checked="" type="checkbox"/>	PRODUCT_278	Beta.lab

1 2 3 4 5

Figure 5 – Results data grid

Grid provides the following features:

- **Batch Printing Include** column allows selection of separate products which should be included in batch printing requests. All items within a grid may be checked or unchecked depending on a

configuration. To force selection mode for all items user can use **Check all** and **Uncheck all** buttons available above the grid.

- **Product Name** column contains a product name returned in search results from application.
- **Label Name** column contains a label name assigned to specific product. This column allows selection of single label for further printing by clicking on label name.
- The grid provides paging capabilities for cases when there is large number of search results. Checked products are preserved when navigating through grid pages.

2.4 Single label selection

Click on the label name in the grid shown on Figure 5 loads single label with preview, printing and variables controls.

The screenshot shows a web interface for a single label. At the top, there is a label preview area with the following text: "Label reference: GAMMA", "Product: PRODUCT_12", "Customer: Apple, Inc.", "Material: Polyvinylchloride", "Color: Lime", and "Size: 100". To the right of this text is a QR code and a circular color swatch. Below the preview are three buttons: "Print", "Preview", and "Local Print". Underneath these buttons are input fields for "Quantity" (set to 35), "Product" (PRODUCT_12), "Label" (@:\Desktop\LabelArchive\CODESOFT\Gamma\Gamma.lab), and "Printer" (Bullzip PDF Printer, BULLZIP). A "Variables" section contains several dropdown menus: PROD:PRODUCT (PRODUCT_12), VAR:SIZE (100), PROD:LABEL_REF (GAMMA), PROD:CUSTOMER (Apple, Inc.), VAR:COLOR (Lime), and VAR:MATERIAL (Polyvinylchloride). A "Save" button is located at the bottom right of the form.

Figure 6 – Single label with printing controls and variables form

NOTE: Printing controls and label variables form is displayed according to configuration made by administrator.

To print a single selected label **Print** or **Local Print** buttons available under label preview should be used.

2.5 Local Printing

While **Print** and **Print All** button initiates network printing using the one of the available printers on the server, **Local Print** and **Local Print All** buttons are used for printing labels on the local printer that is connected to user's workstation.

Both **Local Print** and **Local Print All** buttons will show the following popup dialog:

The screenshot shows a "Local Print" popup dialog. It has a title bar with "Local Print" and a close button. The main area is titled "Print" and contains a list of printers. The selected printer is "Mach 4 (300 dpi) -> 192.168.100.53:9100". Other printers in the list include "Brother DCP-8085DN Printer on DC1#7", "Brother HL-5350DN on DC1#6", "Bullzip PDF Printer", "CAB MACH4/300#1", "CutePDF Writer#5", and "Fax". To the right of the printer list are buttons for "Settings", "Update", and "Remove". Below the printer list, there is a "Units" dropdown set to "Millimeters" and a "Selected Label" field with the value "@:\Desktop\LabelArchive\CODESOFT\Gamma\Gamma.lab". A "Print" button is located at the bottom right of the dialog. At the very bottom of the dialog is an "Add printer" button.

Figure 7 – Local Print popup dialog

The popup allows addition, selection and removal of local printers, as well as changing of printer's settings. When **Print** button in **Local Print** dialog is clicked the application generates a printing request:

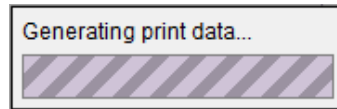


Figure 8 – Status of local printing: Generating print data

The printing process starts when the data for print operation is generated:

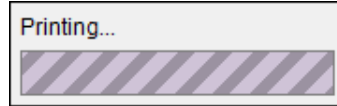


Figure 9 – Status of local print in process

When the local printing is finished successfully the following message appears:

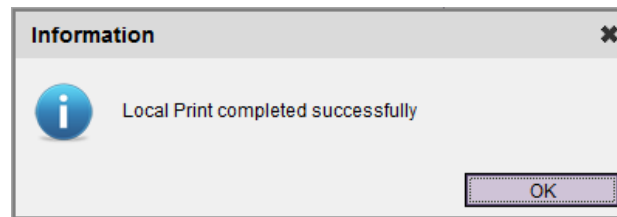


Figure 10 – Status of local print: finished

The grid with products data will be refreshed after printing is finished to display any changes in a set of available products (this behavior would hold for both local and network printing).