

SAP

Installing driver and device type



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Carl Valentin is a Silver Member of the SAP Printer Vendor Program and under this program renders support for machine types as provided and the ABAP-PDL driver.

This documentation is an integral part of this support.





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There are various note numbers e.g. (SAP note 1280910) in the following descriptions.

These note numbers can be used in the SAP system to display internal documentation. In the following link, Number is to be replaced by the number of the note.

https://launchpad.support.sap.com/#/notes/Number

1 Importing Carl Valentin ABAP-PDL Driver and Device Type

The original driver and device types should be used to obtain an optimum result in the printout from SAP on a Carl Valentin printer.

For this purpose, you need to import the drive and then a device type into the SAP system.

1.1 Importing driver

Pay attention to Note 1103422 when installing the ABAP PDL driver.

NOTE!

Whilst the following description should work, however, it cannot be tested on one's own SAP development access.

The PDL driver consists of two PVD files They are to be copied with the file explorer into the SAP User area. The Kxxxxx.PVD file is to be copied into the D:\usr\sap\trans\cofile directory and the Rxxxxx.PVD file into the D:\usr\sap\trans\data directory.

- **/o STMS** is to be started for the installation.
- In the Overview menu either Imports F5 or the truck icon is to be selected.
- Select the import queue wanted (NSP, ECD, ...) in the following dialogue per double-click or with F2.
- In the following dialog, select the *Extras Further orders Attachments* menu entry.
- With the F4 search aid, select the number of the transport order(PVDKxxxxxx).
- Continue with Enter and then Yes.
- Highlight the line with the transport order.
- The next dialog is opened through the Order Importing menu.
- Undertake the following entries: **Target client** 000, in the dialog sheet **Schedule** *Immediate Start*, in the dialog sheet **Execution** *Synchronously executes* and in dialog sheet **Options** the tick for *Keep transport order for additional import in queue*.
- Continue with Enter and Yes.

The import is now executed. Ignore any warnings.

1.2 Importing device type

There are two ways of importing a device type.

1. In the /o SPAD transaction using the menu command Utilities - For device types - Import

| Configuration Administration G | oto <u>U</u> tili | ties <u>S</u> ettings | En <u>v</u> ironment | System | <u>H</u> elp |
|---------------------------------|-------------------|----------------------------|----------------------|--------|--------------------|
| | | or Output Devic | es | > _ | |
| | | o <u>r</u> device types | | • | Copy device type |
| Spool Administration: Initial S | Scre | or <u>c</u> haracter set | s | • | Delete device type |
| Extended admin Eull administrat | ion | or output <u>m</u> ana | gement system | • | Export |
| | IOT | Sp <u>o</u> ol lock overvi | ew | | <u>I</u> mport |

The original device type is to be specified here.

| Upload Device Type f | rom a *.PRI File | |
|----------------------|----------------------|--|
| Execute (F8) | | |
| File Name | C:\temp*******&&&&& | |
| Binary File Format | | |

Under *Joint sequence* the further sequence is ... shown below.

2. In the Io SE38 transaction with Program RSTXSCRP

| ABAP Ec | litor: Ini | itial Scree | n | | | | |
|------------------------------|------------|-------------|------|-----|-----------|----------------|-------------|
| i > | (| ∎+ <u>i</u> | to / | e 🕞 | Debugging | 🕞 With Variant | [🔁 Variants |
| | Execut | e (F8) | | | | | |
| | _ | | | | | | |
| Program | RSTX | SCRP | | | Creat | te | |
| Subobjects | | | | | | | |
| Source C | ode | | | | | | |
| Variants | | | | | | | |
| ○ Attribute | s | | | | | | |
| ODocumen | ntation | | | | | | |
| O Text eler | ments | | | | | | |
| | | | | | | | |
| 6ô Dis | splay | / Ch | ange | | | | |
| | | | | | | | |

In the following dialog, select the *Device type* option and change the *Mode* to *IMPORT*. Furthermore, the *Object name* of the original YCVPRINT device type is to be specified Finally, *Execute* **F8** starts the import.

| SAPscript Export to Dataset / SAPscript Import from Dataset |
|---|
| (→) 1 3. |
| Obj Execute (F8) Id session ctrl |
| ○ Form |
| ○ Style |
| Standard text |
| Text ID ST |
| Language |
| Opevice Type) 1. |
| Object name 2. YCVPRINT |
| Mode (EXPORT/IMPORT) |

If a query regarding the customers name space appears, confirm it and save it as a local object.

| Open | | | | | × |
|--------------|--------------------|---------------|---|-------------------|-----------|
| Look in: | Documents | | ~ | 3 🌶 📂 📖 | |
| | Name | | | Date modified | Type ^ |
| | YCVPE35D. | PRI | | 8/18/2017 4:27 PM | PRI Fil 🎽 |
| Quick access | YCVP-F30.P | RI | | 8/18/2017 4:24 PM | PRI Fil |
| | YCVP-G30. | PRI | | 8/18/2017 4:24 PM | PRI Fil |
| | YCVP-H35. | PRI | | 8/18/2017 4:25 PM | PRI Fil |
| Desktop | YCVP-I30.P | RI | | 8/18/2017 4:25 PM | PRI Fil |
| | YCVP-J23.P | RI | | 8/18/2017 4:25 PM | PRI Fil |
| • | YCVP-K23.F | PRI | | 8/18/2017 4:26 PM | PRI Fil |
| Libraries | YCVP-L30.P | PRI | | 8/18/2017 4:26 PM | PRI Fil |
| | YCVP-M35. | <u>PRI</u> 2. | | 8/18/2017 4:26 PM | PRI Fil |
| 1. | VCVPRINT. | PRI | | 8/18/2017 4:29 PM | PRI Fil |
| DEWDEM0498 | YCVPRT-I.P | RI | | 8/18/2017 4:28 PM | PRI Fil |
| DEWDI M0430 | YCVPRT-U. | PRI | | 8/18/2017 4:28 PM | PRI Fil |
| 1 | zcv_test1_q | uer | | 7/6/2017 5:52 PM | XML F |
| | ZCVP300.PF | રા | | 7/6/2017 5:45 PM | PRI Fil 💭 |
| INEtWORK | < > | | | | < > |
| | File <u>n</u> ame: | YCVPRINT | | × 3. | Open |
| | Files of type: | (".") | | ~ | Cancel |
| | | | | | |

Joint sequence of the two methods:

| SAP GUI Security | \times |
|---|----------|
| The system is trying to access the file | |
| \\dewdfcv102.wdf.global.corp.sap\TSHome\$\C5203384\Documents\YCVPRINT.PRI | |
| Do you want to grant access to this file? | |
| Remember My Decision | |
| Allow Deny | |

The following message appears after a few seconds:

| SAPscript Export to Dataset / SAPscript Import from Dataset | |
|---|---|
| | |
| SAPscript Export to Dataset / SAPscript Import from Dataset | 1 |
| ********************************** Start SAPscript Transporter RSTXR3TR ******* | |
| Transport object PRIN YCVPRINT is being processed | |
| Spooler informed of change | |
| Object successfully imported | |

The newly imported device type can then be adjusted or copied.

2 Predefined Device Types

Apart from the YCVPRINT or YCVPRT-U (Unicode) and YCVPRT-I (ISO 8859-1) device types generally kept, there are also a number of others which can also be used:

| Device type – File | DK width – Resolution Argument | Device name (usable for) |
|--------------------|-----------------------------------|--|
| YCVP-A23.PRI | 104 mm, 203 DPI A23 | All devices with the 103/8 or 104/8 designations |
| YCVP-B30.PRI | 106 mm, 300 DPI B30 | All devices with the 106/12 designations |
| YCVP-B60.PRI | 106 mm, 600 DPI B60 | All devices with the 106/24 designations |
| YCVP-C35.PRI | 107 mm, 305 DPI C35 | All devices with the 107/12 designations |
| YCVP-C60.PRI | 107 mm, 600 DPI C60 | All devices with the 107/24 designations |
| YCVP-D30.PRI | 108 mm, 300 DPI D30 | All devices with the 108/12 designations |
| YCVP-E35.PRI | 160 mm, 305 DPI E35 | All devices with the 160/12 designations |
| YCVP-F30.PRI | 162 mm, 300 DPI F30 | All devices with the 162/12 designations |
| YCVP-G30.PRI | 216 mm, 300 DPI G30 | All devices with the 216/12 designations |
| YCVPC35D.PRI | 107 mm, 305 DPI C35D | DuoPrint 107/12 |
| YCVPE35D.PRI | 160 mm, 305 DPI E35D | DuoPrint 160/12 |
| YCVP-H35.PRI | 53 mm, 305 DPI H35 | All devices with the 53/12 designations |
| YCVP-M35.PRI | 128 mm, 305 DPI M35 | All devices with the 128/12 designations |
| YCVP-I30.PRI | 54 mm, 300 DPI I30 | ILX 54/12 |
| YCVP-J23.PRI | 56 mm, 203 DPI J23 | ILX 56/8 |
| YCVP-K23.PRI | 80 mm, 203 DPI K23 | ILX 80/8 |
| YCVP-L30.PRI | 81 mm, 300 DPI L30 | ILX 81/12 |

The device types listed in this table are also available for ISO 8859-1. Their difference comes about from Ident. Character I, thus YCVI- instead of YCVP-. The only difference to the universal device type is that the argument has already been adjusted.



NOTE!

For older device series such as SPE, Spectra, DPM III and Micra, as well as Compa, Dynacode, SPX, Vario II and Vita YCVI- (ISO8859-1 Code page 1100) <u>must</u> be used.

3 Device Type Adaption

The universal devoice type comprises all the supported form sizes, font types and barcodes etc. As such, it can be used directly or as the basis for new device types.

3.1 Device Type – Setting print head resolution and width

Open the device type via the /o SPAD transaction and Full administration.

| Configuration | <u>A</u> dministration | <u>G</u> oto | <u>U</u> tilities | <u>S</u> ettings | Enviro | nment | S <u>v</u> stem | <u>H</u> elp | |
|-----------------|------------------------|--------------|-------------------|------------------|--------|-------|-----------------|--------------|-----|
| | ~] « | | @ (2) | 3 ÷ł | 14 | ŧ | 111 | <u>, </u> | 🤨 🐎 |
| Spool Adminis | stration: Initia | al Scre | een | | | | | | |
| Extended admir | n. Full administ | tration |) | | | | | | |
| | | Full ad | ministration | (F7) | | | | | |
| Devices / serve | Admin. |] | | | | | | | |

Select Device Types and Display.

| Simple admin. Ext | ended admin. | |
|--|---------------------------|----------------------------------|
| | | 1 |
| Devices / servers | Output management systems | Device Types Char Char |
| | | |
| | | |
| De la Tana | F7 | |
| Device Types | | 2. Display |
| Device Types Print Controls |] | 2. Display Display |
| Device Types Print Controls Format Types | | 2. Display Display Display |

From the following displayed table, select the device type and confirm with F8.

Afterwards the properties of the device type are indicated.

Set the resolution (dpi) and print head width for the created device type.

| evice Type Adaption | on | | | SA |
|--|---------------------------------------|--|------------------------------|----|
| dertake these setti | ings in the <i>Argui</i> | <i>nent</i> input box. | | |
| Spool Administra | ition: Device T | ype (Change) | | |
| 60 💼 👟 🥳 | 🌄 🖷 🛄 f | Formats 🛛 📆 Format | ts 前 PrintControls 📑 | |
| 1. Device type | YCVPRINT | Name | Carl Valentin CVPL universal | |
| Attributes Pri | nt Controls | | | |
| SAPscript bandling | <u> </u> | | | |
| Driver | Carl Valentin | ABAP driver CVPL | ~ | |
| ✓ Page printer | | | | |
| | | | | |
| | | | | |
| List handling | | | | |
| List handling Printer driver | Do not use p | rinter driver for ABAP list | print ~ | |
| List handling Printer driver Argument | Do not use p | printer driver for ABAP list | print ~ | |
| List handling Printer driver Argument | Do not use p | printer driver for ABAP list | print v | |
| List handling Printer driver Argument Printer character set | Do not use p | vrinter driver for ABAP list | print ~ | |
| List handling Printer driver Argument Printer character set 1. Character set | Do not use p R30A 2. 4110 Unico | orinter driver for ABAP list de UTF-8 | print ~ | |

The following values are to be used at the moment:

Print head width:

| А | 104 mm |
|--------|-----------------|
| В | 106 mm |
| С | 107 mm |
| D | 108 mm |
| E | 160 mm |
| F | 162 mm |
| G | 216 mm |
| Н | 53 mm |
| I | 54 mm |
| J | 56 mm |
| K | 80 mm |
| L | 81 mm |
| Μ | 128 mm |
| Others | 148 mm (DIN A5) |

SAP

Resolution:

| 20 | 200 dpi |
|----|---------|
| 23 | 203 dpi |
| 30 | 300 dpi |
| 35 | 305 dpi |
| 60 | 600 dpi |
| | |

Execution:

| A | Reserved |
|---|----------|
| В | Reserved |
| С | Reserved |
| D | DuoPrint |

The above displayed C35D value means: 107 mm DK width, 305 dpi, DuoPrint

3.2 Copying device type

Various device types are needed to simultaneously operate a number of printers with different features. As already described, the adaptions for the resolution etc. can be undertaken in the copied device types.

| Configuration | <u>A</u> dministration | <u>G</u> oto | <u>U</u> tilities | <u>S</u> ettings | En <u>v</u> ironment | Systen | n <u>H</u> elp |
|---------------|------------------------|--------------|-------------------|---------------------|----------------------|--------|--------------------|
| | | | Eor O | utput Device | es | > _ | |
| V LIO SPAD | ~~ « | | Fo <u>r</u> de | evice types | | • | Copy device type |
| Spool Admini | stration: Initia | al Scre | For ch | naracter sets | 5 | • | Delete device type |
| Cimple admin | Extended adm | in | For ou | utput <u>m</u> anag | gement system | • | Export |
| Simple aumin. | Extended adm | | Sp <u>o</u> ol | lock overvie | W | | Import |

Alternatively, the device type can be marked in the list overview and copied via *Create using template* **F5**.

| | Spool Ad | ministration: List of Device Ty | rpes (3.283 | 3 Entries) | | |
|---|-----------|---------------------------------|--------------|---------------|---------|-----|
| | 68 😥 - | 9 ± Ŧ 🖬 D 🖬 🤘 | Formats | PrintControls | Tormats | n 🔟 |
| ٢ | 1. | 3. | 1 | | | |
| | Dev. type | Name | | | | |
| | YCSZBIS3 | Citizen UC Swis721BT 300dpi | | | | |
| (| YCVPRINT | Carl Valentin CVPL universal | 2. | | | |
| | YDAMT7 | SATO CL4NX 305dpi English | | | | |

Device Type Adaption

Specify a new, clear-cut device type here (beginning with Y or Z) and then click on *Execute* F8.

| Copy device type | |
|--------------------------|----------|
| | |
| Copy device type | YCVPRINT |
| to device type | |
| Change Description | |
| New Description | |
| Use references | |
| Adapt INCLUDEs to source | |

The following warning can be confirmed with Yes.

| Er W | 🖙 Warning: Observe SAP name range | | | | | | |
|-----------------|--|--|--|--|--|--|--|
| 0 | Device types Y,Z are reservedfor customers. Continue? | | | | | | |
| Yes No 😵 Cancel | | | | | | | |

And here confirmation is, of course, with Yes:

| 💽 Sp | ☞ Spooler/SAPscript: Copy Device Type | | | | | |
|------|---------------------------------------|--|--|--|--|--|
| 0 | Generate device YCVP-DUO type? | | | | | |
| | Yes No Cancel | | | | | |

If a question appears, the new type is to be saved as local object.

Afterwards a list is displayed, which has been copied. It now becomes clear from the plethora of data as to why no device type should be simply created anew.

| Сору | device type |
|----------|--------------------------|
| | |
| Copy dev | vice type |
| Number | of data records copied: |
| Number | DataType |
| 000001 | Device Type |
| 000060 | Print Controls |
| 000019 | Format types - Overview |
| 000123 | (Format Types - Details) |
| 000123 | Printer Fonts |
| 033630 | Font Metrics |
| 000018 | Bar Codes |

Quit the dialog via the orange button 📀

With the list updated (refreshed), the new device type then appears in the list and is editable via F2.

| | Spool Adr | ministration: | List of | Device | е Ту | pes (Change) | (3.283 Entri | | |
|---|-----------|---------------|---------|---------|------------|--------------|---------------|---------|------|
| | 68 🕀 🕻 |) i = = | ŵ [| | - Z | Formats | PrintControls | Tormats | iq 📺 |
| ſ | | | | | | | | | |
| | Dev. type | Name | | | | | | | |
| | YCVP-DUO | Carl Valentin | CVPL u | niversa | 1 | | | | |
| | YCVPRINT | Carl Valentin | CVPL u | niversa | 1 | | | | |

This means that a new *Name* is to be entered and the *Argument* adapted with regard to resolution, width and features:

| Spool Administra | tion: Device Type (Ch | nange) | | |
|-----------------------|---------------------------------------|-----------------------|--------------------|--------------|
| 60 前 🖍 🥳 | 🌄 🗟 🖬 | Formats | m PrintControls | |
| evice type | YCVP-DUO Na | me | Carl Valentin Duol | Print 160/12 |
| Attributes Prin | t Controls | | | |
| Version | 1 | | | |
| SAPscript handling | · · · · · · · · · · · · · · · · · · · | | | |
| Driver | Carl Valentin ABAP driv | er CVPL | | ~ |
| ✓ Page printer | | | | |
| List handling | | | | |
| Printer driver | Do not use printer driv | er for ABAP list prin | t | ~ |
| Argument | D35D | | | |
| Printer character set | | | | |
| 1. Character set | 4110 Unicode UTF-8 | 1 | | |
| Synt. character set | | | | |

3.3 Adapting code page

If the code page is to be adapted, firstly click into the input box and then onto the button appearing next to it on the right.

One then continues with Start Search:

| Printer charact | r set | |
|-----------------|--------------------------------|----------|
| Synt. characte | er se SAP Character Set ID (1) | _ X |
| | Restrictions | |
| | Code Page | = |
| | Short name | |
| | Maximum No. of Hits 500 | ^ |
| | () | \sim |
| | | |

An appropriate code page can be selected in the following dialog. Ensure here that any non-supported code pages are not diverted to UTF-8.

| 🔄 SAP Chara | acter Set ID (1) 403 Entries found | _ × _ |
|-------------|--|-------|
| Restrictio | ns | |
| | V | |
| 🔍 🗖 H | 14 🏚 🖉 🖶 🖌 🛨 | |
| Code Page | Short name | |
| 1100 | SAP internal, like ISO 8859-1 (00697/00819) | ^ |
| 1101 | 7-Bit USA ASCII pur | ~ |
| 1102 | 7-Bit Deutsch ASCII | - |
| 1103 | IBM PC Multilingual 850 (00697/00850) | |
| 1104 | ASCII SyChaSe | |
| 1105 | 7-Bit USA ASCII Ausgabe | |
| 1106 | Common part of ISO-8859-1, -2, -3, -4, -9, -14,-15 | ^ |
| 1107 | IBM PC Code Page 437 USA | ~ |
| 403 Entries | s found | |

However, older printer types (SH 2) cannot process UTF-8.

Supported code pages (beside UTF-8 - Code page 4110):

1100 and **1160** for ANSI (ISO 8859-1), **1107** for CP 437 USA, **1103** for CP 850, **1700-1704** for Greek, **1400-1403** for East European languages and **0611** for Turkish.

3.4 Further adaptions

Normally, form sizes (preparations), font types etc. can be adopted without any changes and retained. As the *Print Controls* are not needed, they are not supported.

If wanted, any entries can be deleted or added in the newly generated device type.

4 Creating New Output Device

A new printer (output device) can also be created in the Io SPAD transaction.

There are two ways of creating a new output device: manually and per Wizard (SAP Note 1036961).

4.1 Manually creating

For this purpose, firstly have the existing output devices displayed.

| pool Administration | on: Initial Screen | |
|---|---------------------|--|
| Extended admin. | Full administration | |
| Devices / servers | Admin. | |
| | | |
| Output Devices | [| 고 Display |
| Output Devices Spool Servers | | Display Display |
| Output Devices Spool Servers Access Methods | | Display Display Display Output Devices |

Select the Valentin printer ZCV-Printer there.

| Spool Administration: List of | Output Devices | (Change) (| 908 ent |
|-------------------------------|-----------------|--------------|---------------------|
| | | | |
| | Create using t | emplate (F5) | |
| Dev. | K Dev. type Spo | ol servers | Location or message |
| ZCV-Printer 2. | G YCVPRINT | | CVPL language |
| ZEBRA 110 SHIP LABEL | F YZB200 | | |
| 2EPATM2400 | C FDAM24 | | EDSON |

Alternatively, a different printer can, of course, be chosen.

Create using template F5 is for copying the printer and creating a new one.



NOTE!

The recommendation is generally not to create a new printer but only to copy.

| à | | | |
|------------------------------------|---------------------|----------------------------------|-----------------|
| utput Device | ZCV-I | DuoPrint | Short name ZCVD |
| scription | | | |
| DeviceAttrib | outes Acces | s Method Output Attributes | Tray Info |
| Device Type | | YCVP-DUO : Carl Valentin CVPL un | iversal 🗸 🔨 |
| Device Class | | Standard printer | × |
| | | | |
| Authorizatior | Group | | |
| Authorizatior Model | Group | | |
| Authorizatior Model Location | 0 Group DuoPrint | | |

The new output device is then to be saved 🔚

The printer (output device) is now firmly linked with the device type attributes.

4.2 Per Wizard

The first step is identical to that of the manual method.

| Extended admin. | Full administration | |
|---|---------------------|--|
| Devices / servers | Admin. | |
| | | |
| Dutput Devices | [| تَ Display |
| Dutput Devices Spool Servers | | Display Display |
| Dutput Devices Spool Servers Access Methods | | Display Display Display Output Devices |

In the output device list, a switch-over is made per F8 to change and then with F5 a new device is created.

| Spool Administration: | List of Output Devices (Change) (| 908 ent |
|-----------------------|-----------------------------------|---------------------|
| 60 € 5 = ₹ | 👘 🗅 🔓 🖊 🖉 🗳 🍕 | |
| г <u> </u> | 2. Create (Shift+F1) | 1 |
| Dev. | K Dev. type Spool servers | Location or message |

Even though it appears non-sensical, an output device must be named before the Wizard can be started.

| spool Administra | tion: Create Ou | Itput Device | | |
|------------------|-----------------|-------------------|------------|-----------|
| utput Device | (ZCV-Test) |] | Short name | |
| escription | 1. | | | |
| courpeion . | | | | |
| DeviceAttributes | Access Method | Output Attributes | Tray Info | |
| DeviceAttributes | Access Method | Output Attributes | Tray Info | × (🎘) 2. |

In the following dialog, select Cart Valentin under Manufacturer.

| tion | | | |
|----------------------------|--|--------------------|--|
| te 1036961 | | | |
| | | Dataset | |
| | ~ | Dataset Version | 02.02.2018 |
| Brother | ^ | | |
| Canon Carl Valentin | ~ | 🔁 Update Printe | er Information |
| Citizen | | | |
| Datamax-O'Neil Dell | • | | |
| EPSON | | | |
| Fuji Xerox | | | |
| Gestetner | | | |
| HP | | | |
| Infotec | | | |
| Intermec Konica Minolta | | | |
| KVOCOTA | | | |
| | tion te 1036961 Brother Canon Carl Valentin Citizen Datamax-O'Neil Dell EPSON Fuji Xerox Gestetner HP Infotec Intermec Konica Minolta Kyocera | tion te 1036961 | tion te 1036961 Dataset Dataset Dataset Version Brother Canon Carl Valentin Citizen Datamax-O'Neil Dell EPSON Fuji Xerox Gestetner HP Infotec Intermec Konica Minolta Kyocera |

If in one's own system there is no Carl Valentin entry, then open Note 1036961 and carry it out.

Creating New Output Device

Thereupon a list with pre-defined printers is opened.

| elect Manufacturer | | | Dataset | |
|----------------------|---------------|--------|-----------------|----------------|
| Manufacturer | Carl Valentin | \sim | Dataset Version | 02.02.2018 |
| | | | 🔁 Update Print | er Information |
| Select Printer Model | | | | |
| | | | | |
| Drinter Model | | | | |
| Compa II 103/8 | т | ^ | | |
| Compa II 104/8 | } | ~ | | |
| Compa II 106/1 | 2 | | | |
| Compa II 106/2 | 4 | - | | |
| Compa II 108/1 | 2 T | | | |
| Compa II 162/1 | 2 | | | |
| Compa II 162/1 | 2 T | | | |
| DPM III c53/12 | | | | |
| DPM III xi107/1 | 2 | | | |
| DPM III xi128/1 | 2 | | | |
| DPM III xi53/12 | | | | |
| DuoPrint 107/1 | 2 | ^ | | |
| DuoPrint 160/1 | 2 | ~ | | |

This is where one selects the printer(s) (keep Ctrl. key pressed) that are possibly to be generated. For this purpose, click into the box in front of the name.



NOTE!

Make a note of the printer name as it will not be taken over.

| | | 1.01.00 | | | |
|-----|----------|----------------------------|---|--|--|
| ngı | lage Se | | | | |
| | | | | | |
| Ek | Re I | Language | | | |
| | V | Western European (Latin-1) | ^ | | |
| | ✓ | Eastern European (Latin-2) | ~ | | |
| | | Cyrillic | | | |
| | | Arabic | | | |
| | | Greek | | | |
| | | Hebrew | | | |
| | | Turkish (Latin-5) | | | |
| | | Chinese, Simplified | | | |
| | | Chinese, Traditional | | | |
| | - | Thai | | | |
| | | Japanese | | | |
| | | Korean | ^ | | |
| | | Vietnamese | ~ | | |
| | <> | | | | |

Here the language to be printed is specified.

| Device Type Selection | | |
|------------------------------------|------------------|-----------------------------|
| Deen SAP Note 1036961 | ypes | |
| List of Suitable Device Types | Details | |
| | Device Type | YCVP-F30 |
| Device Type | Driver | YCV1 |
| YCVP-F30 (resident fonts required) | Manufacturer | Carl Valentin |
| | Printer Model | Compa II 162/12 |
| | Remark | See Wizard Note for details |
| | Reference SAP No | te 1982755 |
| | | (resident fonts required) |

Possibility 1

On selecting *Assign device type to output device*, the only thing that happens is adoption of the device type.

| Spool Administration: (| Create Output Device |
|-------------------------|---|
| \$ | |
| escription | -Test Short name |
| DeviceAttributes Acce | ess Method Output Attributes Tray Info |
| Device Type | YCVP-F30 : Carl Valentin 162 mm 300 dpi U 🗸 🏸 |
| Device Class | Standard printer v |
| Authorization Group | |
| Model | |
| Location | |

Possibility 2

However, if in the next to last dialog (*Device Type Selection*)) *Install Device Types* is selected, a new device type can be selected. Firstly a note appears.

| Device Type Selection | | | |
|--|--------------------------------|---------------------------------------|---------------------------------|
| 🔁 Open SAP Note 1036961 🛛 拱 Install Devi | ce Types | | |
| List of Suitable Device Types | Install Device Types (Shift+F2 | 2) | |
| | Device Type | | YCVP-F30 |
| Device Type | Driver | | YCV1 |
| YCVP-F30 (resident fonts required) | Manufacturer | Carl Valentin | |
| | Printer Model | Compa II 162/12 | |
| | Remark | See Wizard Note fo | or details |
| | Reference SAP No | te | 1982755 |
| | <u>ī</u> 🖉 A | (resident ssign Device Type to Out | : fonts required) put Device |
| | | | |

This note refers to the following executed steps. I.e. at first the device type of the manufacturer must be available on the SAP system of the local PC before they can be installed.

This step should be carried out right at the beginning of this description.

| Er Device Type Installation | ĸ |
|--|---|
| Installation Instructions | |
| If you have already downloaded device types from SAP Notes, click OK button. | |
| If you haven't, download device types as follows: | |
| 1 Click Cancel button to go back to the wizard screen. | |
| 2 Select a device type. | |
| 3 Double click on the SAP Note number. | |
| 4 Then an internet browser opens up. | |
| 5 Click "Attachments". Then download a required file to your local PC. | |
| 6 Unzip the file on the PC if it contains several device types. | |
| 7 Repeat steps 2 to 6 for required device types. | |
| 8 Then, come back here and click OK to install device types. | |
| | |
| | |

The Wizard method only helps in selecting the correct device type. It does not produce any benefits over and above this.

5 SAP Interactive Forms by Adobe

The ABAP driver cannot be used for the interactive forms. However, the device types can do so.

The printout from the interactive forms involves the printout from PDF files directly from the SAP system. To this end, "xdc drivers" as provided by SAP are needed. xdc drivers are XML files (XML Forms Architecture (XFA) Device Configuration) in which a printer description is saved. ZPL-II is used for this.

This means that only the ZPL emulation - which needs to be activated in the respective printer - effects the printout from interactive forms.

The functional differences between the Smart Forms and Interactive Forms Adobe are presented in Note 1009567.

Also refer to Note 685571.

5.1 Assigning device types

An xdc driver must be assigned to a Valentin device type before it can be directly used in Interactive Forms.

For this purpose, the **/o SE38** transaction of the **RSPO0022** report is to be retrieved and F8 carried out.



Only the first two entries are of interest in the following list. They serve as the basis for assigning to one's own device types.

| Report f | or XDC | Assignment | |
|----------|--------|------------|--|
|----------|--------|------------|--|

🍃 XDC Administration 🛛 🔞 👔

Assignment of XDC File Name to SAP Device Type (Top Table)

If no XDC name is assigned to a device type, the standard assignment is used in accordance with the printer language (bot

| Į | | | | | | | | |
|---|-----------------|------------------|--------------------------|---------|------|------------------|----------------|-------------|
| | Currently Defin | ned Assignments | of Device Type to XDC Na | me | | | | |
| | Device Type | Printer Language | XDC Name (Black/White) | B/W XDC | Туре | XDC Name (Color) | Color XDC Type | Description |
| (| AZPL203 | ZPL-II | zpl203.xdc | zpl | | zpl203.xdc | zpl | |
| ĺ | AZPL300 | ZPL-II | zpl300.xdc | zpl | | zpl300.xdc | zpl | |
| | CNA355P | PCL | hppcl5e.xdc | pcl | | hppcl5e.xdc | pcl | |

From one's own list of the device types (see Section: *Predefined device types*), the name of the appropriate device is to be found, e.g.

YCVP-F30 for all devices with designations 162/12 for Unicode and/or YCVI-F30 for ISO8859-1.

Firstly highlight the line with AZPL203 (203 dpi) or AZPL300 (300 dpi). 300 dpi are for the YCVP-F30 device type.

| Report for XDC A | Assignment | | | | |
|--|--|---------------------------------|--------------------|------------------|---------------|
| 🍃 XDC Administrat | ion 🔇 👔 | | | | |
| Assignment of XDC File I If no XDC name is assign | Name to SAP Device Type (To ed to a device type, the stan | op Table) dard assignment is | used in accordance | with the printer | language (bot |
| Currently Defined A | v XDC Assignment (Template) | Name | | | |
| Device Type Printe | , , , , , , , , , , , , , , , , , , , | e) B/W XDC Type | XDC Name (Color) | Color XDC Type | Description |
| AZPL203 ZPL-II | zpl203.xdc | zpl | zpl203.xdc | zpl | |
| AZPL300 ZPL-II | zpl300.xdc | zpl | zpl300.xdc | zpl | |

New is for continuing:

| $\ensuremath{\hbox{\rm \ E}}$ Enter a device type and the XDC nar | ne | × |
|---|--|----|
| Device Type | YCVP-F30 | |
| XDC Name | zpl300.xdc | |
| Type of XDC File | zpl 🗗 | |
| Different XDC File for Color Printing | | |
| Description | ZPL Emulation for Carl Valentin 162 mm 300 dpi U |] |
| | | 00 |

The Valentin device is not present in the device type list. The name is therefore entered directly. A description can also be made.

05.18

| 🔄 Invalid XDC assign | nent | | × |
|---|---|---------------------|---|
| Cannot find XI uses an unkno save anyway? | OC file 'zpl300.xdc' on ADS or wn printer language. Do you | it want to | |
| Yes | No ench request | Cancel | |
| Table Contents | TSPOB | | |
| Request | PVDK000882 | 다 Workbench request | |
| Short Description | New xdc file | | |
| L | 68 | 🕸 🗋 Own Requests | 8 |

The new entry should now appear in the list.

| Report fo | or XDC Assign | nment | | | | |
|-----------------|---------------------|----------------------------|-------------------|--------------------|------------------|---|
| 🍃 XDC A | dministration | \delta 👔 | | | | |
| Assignment o | f XDC File Name t | o SAP Device Type (Top | Table) | | | |
| If no XDC nar | ne is assigned to a | a device type, the standar | d assignment is i | used in accordance | with the printer | anguage (bottom table) |
| | 1 | | | | | |
| Currently Defin | ned Assignments | of Device Type to XDC Na | me | | | |
| Device Type | Printer Language | XDC Name (Black/White) | B/W XDC Type | XDC Name (Color) | Color XDC Type | Description |
| TTC4I11 | PCL | hppcl5c.xdc | pcl | hppcl5c.xdc | pcl | |
| TTI3I11 | PCL | hppcl5c.xdc | pcl | hppcl5c.xdc | pcl | |
| YCVP-F30 | Other | zpl300.xdc | zpl | zpl300.xdc | zpl | ZPL Emulation for Carl Valentin 162 mm 300dpi U |

The device type can now be selected in the Interactive Forms and used.

To check: Via the **/o SE16** transaction and the **TSP0B** table, a check can be made on whether the device type has been adopted using F8.

| 🔄 <u>T</u> able <u>E</u> dit <u>G</u> oto | <u>S</u> ettings <u>U</u> tilities System | 1 <u>H</u> elp |
|---|---|----------------|
| | ✓ ≪ 🔚 @ ⊗ 🕄 | 884 8000 TT 21 |
| Data Browser: Initia | al Screen | |
| | | |
| Table Contents (F7) | | |
| Table Name | SDOR | |
| Table Name | SPOB | |

The newly created association between device type and xdc file must be on hand in the table.

| [| Data Bro | ows | er: T | able | TSP0 | B Sele | ct En | tries | | 64 | | | | |
|-----------|-----------------|------|------------|------------|------|--------|----------|------------------|-----|----|---|---|-----|-----------------|
| [| 2 🖊 | 69 | | K | ◀ (|) N | <u> </u> | $\overline{\pi}$ | | | 6 | i | | |
| Tal Di | ble: splayed | Fiel | TSP ds: | 0B 2 of | 6 | I | Tixed | Colum | ns: | | | | [1] | List Width 0250 |
| | | _ | | | | | | | | | | | | |
| | PATYPE | XD | CNAME | | | | | | | | | | | |

5.2 Binary colour print per PDF

The binary colour print does not function since with Interactive Forms printing is done directly via the ZPL emulation.

It must be ensured, however, if printing is done on a binary colour printer (DuoPrint) that a PDF file is created and printed out from the Windows system through the Valentin printer driver e.g. from the Acrobat-Reader (Note 834573).

See Notes 1444342 and 1672781.

5.3 Printing out a number of copies per PDF

It seems that when a number of copies are printed from the Interactive Forms that a print order on its own or an extra page is generated for each copy. Thus possibly results in a longer calculating and transfer time for large labels.

The detour by way of the printout from the Acrobat Reader and the Valentin Windows printer driver can put things right here. In this case, the number of copies in the Interactive Forms should be set to 1. Afterwards, the required number of copies is set in the Acrobat Reader. In the printer driver, as an alternative, the *Number of copies* in the *Layout – Size* can be set to *manual* and to the required number.





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