

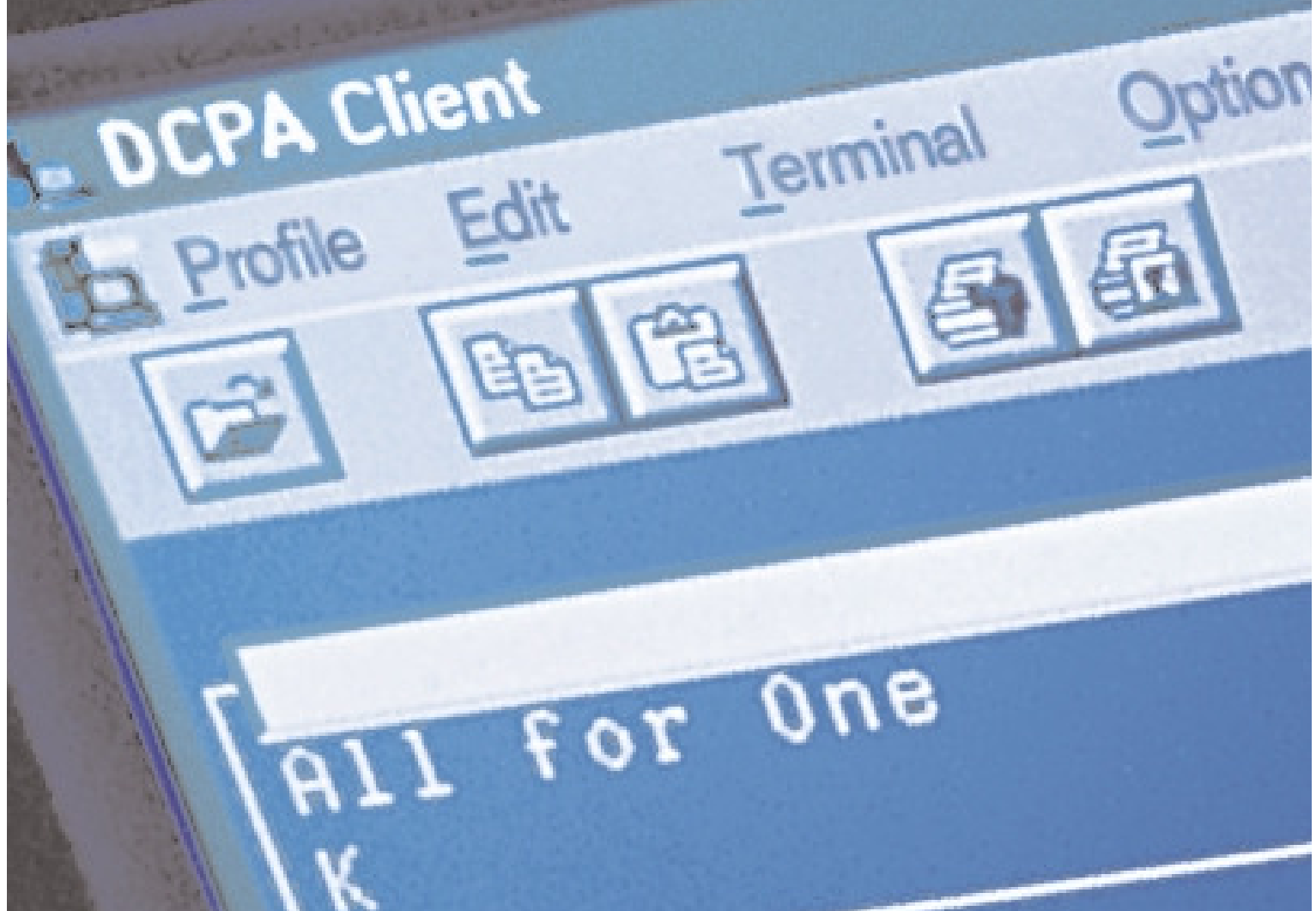
All for One.

Software Inc.

All for one. And one for all.

All for Documents

- ▶ Data Capture and Processing Application DCPA
 - ▶ Scanning and Imaging
 - ▶ Automatic Form Recognition and Document Analysis
 - ▶ Transfer into Archival Systems



DCPA

The high-performance software solution for professional data capture and data processing with integrated automatic document reading and IMAGE processing.

DCPA (Data Capture and Processing Application) meets all the requirements of professional data capture and data entry, while at the same time satisfying the strictest requirements placed on subsequent processing of the data. For this purpose, DCPA provides a tool-supported programming environment. This software environment is structured in modular form and has four main areas of application:

- ▶ Solution for professional high-speed data capture/data entry including complete validation functions
 - ▶ Development system for standard solutions
- ▶ Replacement for Nixdorf 8850/600 users (including migration tools for programs and data)
- ▶ Integration of Automatic Character Recognition OCR/ICR applications

DCPA supports all standards in data processing functionality, these include:

- ▶ A uniform, clearly arranged menu system
- ▶ Extensive validation for data
- ▶ An integrated high performance file system
- ▶ A full-screen editor for convenient screen painting for format generation
- ▶ The DPL 4GL programming language, with additional 4GL-Tools
- ▶ Communication with hosts via menus (interactive and batch)
- ▶ Data capture keyboards for high speed data capture
- ▶ Interfaces to other tools and applications
- ▶ Integration with Automatic Character Recognition OCR/ICR

Interfaces to the open systems world allow the integration of DCPA in other application areas. Access from DCPA to other file systems such as relational databases or direct access via ODBC is also possible. Internet/Intranet access with DCPA HTML is also implemented.

DCPA Functions

Many functions can be assigned to the entry fields when the masks are being generated:

Validation functions

- ▶ Reference tables
- ▶ Numeric range checks
- ▶ Check digit calculations
- ▶ File totals and batch balancing (addition, subtraction via accumulators)
- ▶ Validating character type (alpha, numeric, etc.)
 - ▶ Ascending field formats
 - ▶ Et cetera

Automatic functions

- ▶ Duplicating data
- ▶ Incrementing field contents
- ▶ Skipping fields
- ▶ Default values
- ▶ Changing record contents
- ▶ Et cetera



Using the integrated help functions, users can browse through files and search for particular records according to their own criteria. There is a convenient menu system which takes the user through all levels and all DCPA modules. DCPA addresses the area of data protection with features such as user authorization via

passwords, the creation of statistics on users, a system logbook and individual file log books.

DCPA is available in English, French, Spanish, Italian and German languages. Translations or modifications of the menu-text is also possible depending on each users requirement.

DCPA Modules

DCPA basic module: Development and Runtime System

The basic module contains all the basic functions: the file system, menu interface, data capture functions, including mask generators and DPL 4GL programming language. DPL (DCPA Programming Language) forms the basis for developing solutions rapidly with DCPA.

In addition to the capture procedure, the acquired data may be preprocessed or processed by distributed means. Rapid program development is a large economic advantage. In this way, application bottlenecks can be avoided. Savings are also made as less time is required to train software developers.

DCPA DBA

DCPA contains a high-performance integrated file system. However, relational database management systems have established themselves as the standard in the open software world. Their strength lies in the relational data model. DCPA, however, is also able to maintain data ensuring efficient performance. In order to be able to avail oneself of both advantages, DCPA has full access to the relational database via embedded SQL.

DCPA C-Access Libraries

DCPA C-Access library makes it possible for software developers, by using the C functions available in DCAL, to create DCPA files or to include existing DCPA files directly in their programs.

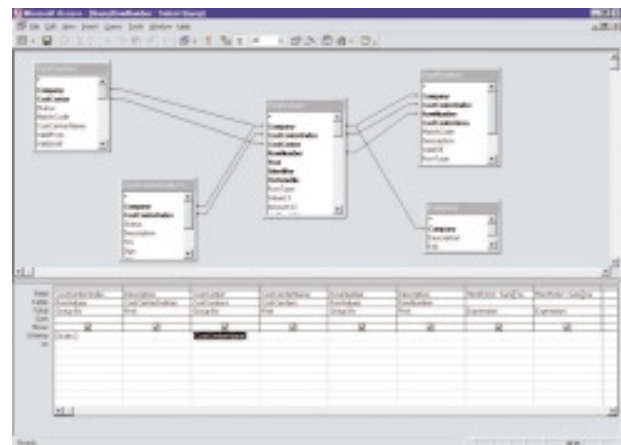
Scalability is becoming increasingly important in information technology. This also applies to software. With DCPA, you can choose exactly what you need.

DCPA HTML



DCPA HTML provides the integration between Intranet and Internet into DCPA. Online queries can be activated directly from out of HTML and the results can be shown in the WEB Browser, controlled with DCPA DPL.

DCPA ODBC

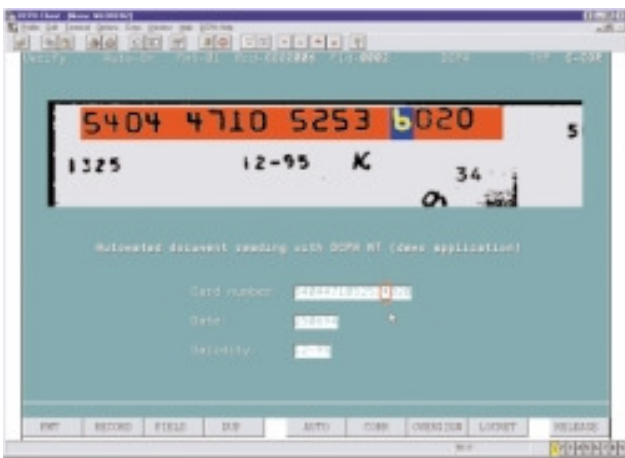


The DCPA add-on modules ODBC driver and ODA server enable you to access DCPA's database directly from Microsoft Office® products such as ACCESS, EXCEL, or WORD, or using Visual Basic® or Borland Delphi® etc ...

► DCPA TOP-M Menu System

The DCPA add-on module TOP-M menu system enables you to present all DCPA menu items (standalone programs), including all the DPL programs, to your users in a visually appealing manner. Included in the software is an option for accessing menus via pop-up/pop-down windows, an integrated access authorization component, a multi-level help system, and an interactive administration tool. A sample menu for DCPA menu items comes with the product.

► DCPA IMAGE



With the DCPA IMAGE add-on module TIFF- and JPG-IMAGES can be shown in data entry. The operator can control the display of these IMAGES. With this functionality, OCR/ICR Recognition Systems can be integrated very easily into DCPA.

Advantages

- Documents no longer need to be available in paper-form
- Generating of images (scanning) can take place at a central or several remote locations
- Images can be stored for data capture over a local or a remote network

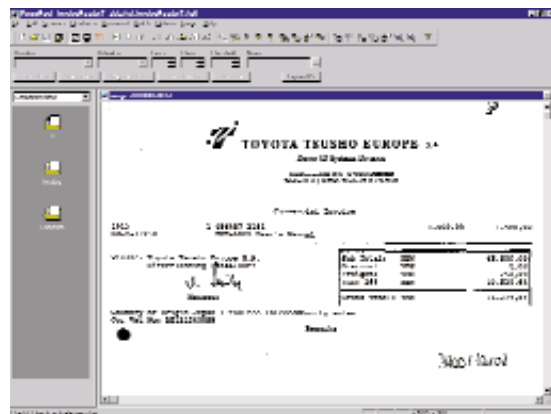
Additionally, DCPA IMAGE functions as a flexible and efficient correction station for the manual post editing of the output of a character recognition system, systems like ICR FormsRec®

Functions

- Client-Server-Architecture
- TIFF and JPG image formats
- Scaling, rotating and free positioning of the image, on any part of the screen
- Any color-definitions (RGB) for the representation of the image and emphasis of critical information
- DPL commands for extended customizing

In our download section at www.dcpa.com, you will find additional information describing DCPA Image and its integration into ICR FormsRec®, the solution for Intelligent Character Recognition.

► Automated Document Reading



ICR FormsRec®, an innovative software product for automated character recognition and document analysis developed by ICR Software und Systeme GmbH, is the perfect supplement to DCPA – in view of economical efficiency and performance. Data automatically captured with ICR FormsRec® can be imported directly into DCPA for correction. The data import can take place over the DCPA integrated ODBC-Interface as well as over an export file. Using the DCPA IMAGE module the correction of the data is carried out directly from the scanned document – of course the entire functionality of DCPA is still at your disposal.

► Archival Systems

To transfer all data and documents into Archival Systems, All for Documents personnel can assist you in developing this process.