

# DPT

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## DPT Documentation

### Most Efficient Data Management, Access and Portability for Reference Tables across the Enterprise

#### Ask yourself the following questions:

- Need to make data retrieval more efficient?
- Looking for better reference data management tools?
- Do you need portability between different platforms?
- Do you need portability within your mainframe environment?
- Would you like to have a single source of management for all your reference tables, with a single, standard user interface?
  
- What about automatic transferability to all other environments/applications throughout the organization?

If you've answered *YES* to any of the above, then you'll be interested to find out more about DPT.

Briefly stated, DPT offers all of the following ...

### Vastly Improved Management, Accessibility and Portability of Reference Tables

- Standardization and centralization of table definition and maintenance via DPT/On-line
- Access and update from the Web
- Porting of data to different platforms
- Extremely efficient retrieval algorithm
- Standard application program interface for retrieval and updating in all environments
- Provides tool for improved application design

### Suits Every Environment - Providing Numerous Advantages at Managerial, Efficiency and Application Levels

- **Mainframes - runs virtually everywhere, on everything**
  - Operating systems - MVS, VSE and VM
  - Batch mode, CICS, TSO
  - Manages tables stored on VSAM, ADABAS, DB2 and IDMS
  - Most second, third and some fourth generation languages can interface to DPT, including:
    - Cobol, Assembler, PL/I, RPG, Natural, ADS,
    - IDEAL, SAS, Easytrieve+, Sapiens, CSP

- **Web – access, update, search from your Browser and from your application**
  - Internet Explorer
  - Dynamic paging of large data sources
  - Support of data-types at the column level

### **On-Line Table Transfer to Open Environments** - Via DPT Table Transfer

○ , Table transfer provides an easy, friendly, centralized method of distributing table data in bulk - or dynamically - as updates occur

**DPT/Open** - DPT under Windows/NT or UNIX in a Client/Server Object Oriented environment:

- Provides visual object and non-visual object for table management
- Table transfer to mainframes also supported
- Runs native on Oracle, MS SqlServer and on any ODBC compliant database

Proven installed base of 50+ Sites in Israel, representing 70% of the M/F market:

- Banks, Insurance Companies, Financial Organizations, Government Ministries, Defense and Military Units
- Telecommunications, Utilities and Transportation Authorities

A bit more on some of our important features:

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## DPT/XML

DPT provides very efficient translation between mainframe format data and XML. The translation is bi-directional, i.e. DPT generates XML structures from mainframe data and can accept XML data and convert it to internal mainframe data.

The DPT capability extends beyond the data that is kept as reference table data. External files and data structures can be defined to DPT as an external mapping. The data loses none of its local qualities. However, the data gains the features and capabilities of DPT.

Converting internal structures into XML is straightforward. Complications increase when moving from an XML structure to a given, internal file structure. DPT provides the needed flexibility. DPT can scan and filter the provided XML and produce internal records while removing and ignoring extraneous tags and data.

## DPT/ECSA

How about having your data always accessible, without I/O, without need for authorization or privileges? That's it! That is what DPT/ECSA is all about. Your data that is accessed at the highest rate is kept in common storage is retrieved via highly efficient search algorithms.

I/O rates drop, throughput increases. Management of the data remains controlled and centralized. Data is protected against inadvertent or malicious overlays. Data security is enforced.

Think about it. DPT/ECSA may just provide that special solution that you need.

To be announced: Utilization of 64-bit addressing and areas.

## DPT/DB2

You use DB/2? Great! It is a great database. However, for your high volume reference tables, putting DPT on top of DB2 will give you an added benefit.

Let's start with performance. DPT loads table data into the application's address space or into common storage. There are no SVCs and no cross-memory or TCB activations. Benchmarks have been made between DPT and different versions and DB2 systems. DPT's highly efficient access algorithms have always won for single-line selects – by several hundred percent!

But it is more than performance. When you use DPT/DB2, you can get the performance without giving up on the benefits of native DB2.

Think data management. DPT provides utilities that allow you to browse, update and manage the tables that you want in a very user friendly way. You can get to your data from the Web, from CICS from TSO and from batch.

How about table definition! DPT provides safe and standard utilities for defining tables to DPT and DB2. In principle, the DBA can set up the criteria for a given set of table creators and allow the definition and management of those tables be handled by application managers.

## DPT/Web

Get to your data from everywhere. DPT/Web is a powerful tool for managing your data. We are talking about Mainframe data as well. We are including sources that are not RDBMS (e.g. VSAM etc.).

View the data on your browser. Full support of Hebrew and Right-to-Left languages.

Your table is *very* large. It, really, just won't go to bring the whole table to your webserver. DPT/Web dynamically divides your table into logical pages. You navigate among the pages as needed.

Need a specific line in a large table? DPT/Web will find the right page of data and locate you at the "best-match" line.

Update your data. The original data can be in any format. DPT/Web has the meta-data and enforces type-consistency at the client level.

Need data for your application? DPT/Web will bring it to you in XML format via webservice.

## DPT/Xfer

Do you want to move your data around? Is it important for you that the data be close to the application? Will you have to move the data across platforms and change databases?

We do all that. All you have to do is have your data defined to DPT and make an entry in the Xfer Management table. We do all the rest.

You have a table, a file or a data source. You would like to filter the data and send different sections or different fields to different target systems. We do all that, as well.

## DPT/Open

A table management system for the Windows environment. It is easy to define tables on the open platforms. However, we often find that standards are not enforced, tables are duplicated and browse/update tools are replicated for each application.

These are the things that a table management system provides for you. It is not **instead** of your database. A table management system helps you manage your reference tables, better.

This is what DPT/Open is all about. One repository for reference tables. One tool to see which tables you have. One standard for defining tables. One standard and portable tool for viewing and updating tables from any application.

DPT/Open interfaces with DPT/Xfer and helps you port your data between servers or to the mainframe and back.