



Catalog of Reference Manuals Available from Thoroughbred™ Software International, Inc.

For more information about product descriptions see the Thoroughbred Product Catalog and Pricing Schedule.

Thoroughbred Environment™

Thoroughbred *Basic*™ Customization and Tuning Guide (2 Volume)

Describes how to establish terminals, printers, and Ghost Tasks. Describes the use of system files (TCONFIG, TERMINAL, TERM.MAP, and IPLINPUT) .

Thoroughbred *Basic*™ Developer Guide

Contains a summary of concepts implicit in the Thoroughbred *Basic* language, descriptions of how Thoroughbred *Basic* can interact with site hardware and software, and a summary of all Thoroughbred *Basic* directives, functions, and variables.

Thoroughbred *Basic*™ Language Reference (3 Volume)

Contains a full description of the Thoroughbred *Basic* directives, functions, and variables

Thoroughbred *Basic*™ Utilities Manual

Contains descriptions of the Thoroughbred *Basic* Utilities, a set of programs that enable you to perform commonly required maintenance functions on programs and files.

Dictionary-IV™ User Guide

Provides an overview of the product, software and documentation conventions, a reference to screen and view maintenance and the CONNECT feature, and description of the use of the text editor.

Dictionary-IV™ Developer Guide

Describes Class Definition Maintenance for Formats, Screens, Views, Links, Menus, Messages, Help, Global Dictionary, and Object Views. It also describes library maintenance, definition reporting, and definition listing.

Dictionary-IV™ Administrator Guide

Describes the preparation of a system for IDOL-IV and provides a reference to the IDOL-IV™ utilities, to the Multiple Language feature, and to IDOL conversion. It provides an overview to system security.

Dictionary-IV™ Quick Database Lesson

Shows you how to create a database, a custom screen, and a custom view.

Source-IV™ Reference Manual

Describes the Thoroughbred source code management system. Its editor has many advantages over the native *Script-IV*™ editor, including:

- ◆ An elegant interface with advanced editing functions

- ◆ Source-code management capabilities
- Edit histories that enable you to track and undo changes.

OPENworkshopTM Development Environment

OPENworkshopTM Reference Manual

Describes the Thoroughbred object-oriented development environment. Object-oriented programming focuses on data objects and the operations that you perform on them. With OPENworkshop, *Dictionary-IV* applications are immediately applicable to object-oriented technology. The benefits of this technology are:

- Increased productivity in development
- Increased productivity in maintenance

There is no main program. The information content and structure can be implemented as *Dictionary-IVTM* Formats. The operations are implemented as Methods, which are procedural code written in *Script-IVTM* or *Basic* and associated with the data object. The CONNECT functions provide the interconnections between the data and the functional options available to the user.

CONNECT Directive that allows for “connections” to be made from one object to another. A CONNECT may be made directly. For example: a Menu can CONNECT VIEW to display a defined view. It can also be made through a METHOD, which contains procedural code that modifies the behavior of the CONNECT. A CONNECT can be invoked at pre- and post-processing stages of data entry, or when defined Function Keys are used.

METHOD *Basic* or *Script-IV* code that can be associated with OPENworkshop objects. Typically, Methods will be associated with pre- or post-processing of data in Screens or Views, or may be invoked as I/O Triggers associated with a Link.

Script-IVTM Developer Guide

Provides the 4GL procedural language constructs required for developers to build applications quickly. It uses structured, English-like commands that allow you to create applications using less code.

Script-IVTM Language Reference

Contains a full description of the *Script-IV* Language.

Report-IVTM Reference Manual

Describes the Thoroughbred comprehensive report generator. It runs with *Dictionary-IV*, which defines the type and location of data items. *Report-IV* combines data from multiple files, file structures, file systems, and operating systems. It can access applications across multiple machines.

TM
Query-IV Reference Manual

Describes the Thoroughbred query management system. It is based on the industry standard SQL (Structured Query Language). Queries can be stored and retrieved later and can be transferred to a *Report-IV* format. *Query-IV* runs with *Dictionary-IV*, which defines the type and location of data items. The output may also be directed to Thoroughbred VIP *Gateway* for Windows for further processing by any workstation based application under Microsoft Windows.

TM
IDOL-IV Development Environment

TM
Script-IV Developer Guide

Provides the 4GL procedural language constructs required for developers to build applications quickly. It uses structured, English-like commands that allow you to create applications using less code.

TM
Script-IV Language Reference

Contains a full description of the *Script-IV*TM Language.

TM
Report-IV Reference Manual

Describes the Thoroughbred comprehensive report generator. It runs with *Dictionary-IV*TM, which defines the type and location of data items. *Report-IV* combines data from multiple files, file structures, file systems, and operating systems. It can access applications across multiple machines.

TM
Query-IV Reference Manual

Describes the Thoroughbred query management system. It is based on the industry standard SQL (Structured Query Language). Queries can be stored and retrieved later and can be transferred to a *Report-IV* format. *Query-IV* runs with *Dictionary-IV*, which defines the type and location of data items. The output may also be directed to Thoroughbred VIP *Gateway* for WindowsTM for further processing by any workstation based application under Microsoft Windows.

TM
Inquire-IV

TM
Report-IV Reference Manual

Describes the Thoroughbred comprehensive report generator. It runs with *Dictionary-IV*, which defines the type and location of data items. *Report-IV* combines data from multiple files, file structures, file systems, and operating systems. It can access applications across multiple machines.

TM
Query-IV Reference Manual

Describes the Thoroughbred query management system. It is based on the industry standard SQL (Structured Query Language). Queries can be stored and retrieved later and can be transferred to a *Report-IV* format. *Query-IV* runs with *Dictionary-IV*, which defines the type and location of data items. The output may also be directed to Thoroughbred VIP *Gateway* for Windows for further processing by any workstation based application under Microsoft Windows.

TS DataServer

TS Network DataServerTM

Provides a reference to an integral part of the Thoroughbred Software network solution.

With Thoroughbred *Environment*TM 8.4.1, server data can be made available across platforms for uses in *Dictionary-IV* file maintenance, *Report-IV*, *Query-IV*, *Script-IV*, and *Basic* applications.

With TS Network DataServer software:

- Applications can now be configured to access a Network data server.
- New or existing applications can access and share data across a network.

TS ODBC DataServerTM

Provides a reference to the Thoroughbred ODBC client-server product. Microsoft's ODBC (Open Database Connectivity) standard is the most popular means for connecting Windows products and applications to relational database servers. Using the Thoroughbred TS ODBC DataServer U/SQL Client-Server product, you can connect ODBC Windows products, such as Visual Basic, Access, and Crystal Reports to your Thoroughbred files, allowing you to report on the data without making changes to any existing application source code.

TS ORACLE DataServerTM

Provides a reference to an integral part of the Thoroughbred Software network solution.

With Thoroughbred *Environment*TM 8.4.1, server data can be made available across platforms for use in *Dictionary-IV*TM, *Report-IV*TM, *Query-IV*TM, *Script-IV*TM, and *Basic* applications.

This guide first describes the Client side of TS ORACLE DataServer, which is provided with every Thoroughbred *Environment* installation. It then provides specific information for accessing Oracle servers.

Your applications may require special privileges to access the database. You should consider the following issues:

- Setting privileges to access the database.
- Designing or modifying site procedures.

Setting procedures for server transaction processing.

VIPTM Gateway for WindowsTM

VIP Gateway for Windows

Provides a reference to Thoroughbred VIP, (*Visual Image Presentation*TM), which is a family of software products that enables Microsoft Windows workstations to access host-based applications.

VIP for *Dictionary-IV* consists of software running on the host environment that communicates with software running on the Windows workstation. The user is able to operate the host application from a Windows workstation, and can multi-task, using other PC-based applications at the same time. It intelligently uses dictionary-based information to manage Screens, Menus, Messages, and Views. It also converts your character application into a GUI application, rather than just a character application in a window.

It describes how to use TbredCommTM, TS ChartServerTM, TS ReportServerTM, and WorkStation ManagerTM.

Solution-IVTM Accounting

Provides a reference to the following manuals:

- Accounts Payable
- Accounts Receivable
- Bank Reconciliation
- Fixed Assets
- General Ledger
- Inventory Control
- Order Processing
- Payroll
- Prospect Management
- Purchase Order
- System Utilities

It is 4GL-based and YEAR 2000 compliant and integrated with Windows-based productivity tools. Using *Gateway* for Windows, you can create and display Microsoft Excel graphs and charts and insert data into Microsoft Word documents. Using an imaging package such as Wang Imaging, both color images and scanned documents can be attached to *Solution-IV* data. This means that images such as purchase orders and correspondence can be attached to invoices, vendors or customers; employee photos, résumé's and applications can be attached to employee records; and pictures or schematic diagrams can be attached to inventory items.

Since *Solution-IV* is fully developed in Thoroughbred's fourth generation environment, *OPENworkshop*, developers will find that making changes and additions to *Solution-IV* are easier. Changes to the record formats, screens, and lookups are accomplished using the data dictionary. All reports have been created using *Report-IV*, Thoroughbred's report generator. Any code that is needed is written in *Script-IV*, Thoroughbred's procedural 4GL language, and the source code is included in *Source-IV* for each installation. Queries can be created using *Query-IV*, and are made easier through the use of English-like data name descriptions.

Solution-IVTM Source Toolkit

Provides a reference for developers who want to change the way certain features in *Solution-IV* work, or who have vertical applications and want to integrate them with *Solution-IV*. Documentation for all API's are included so you can utilize them in your applications as well.