

# ESP-Dorado

## Product Description

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## Highlights

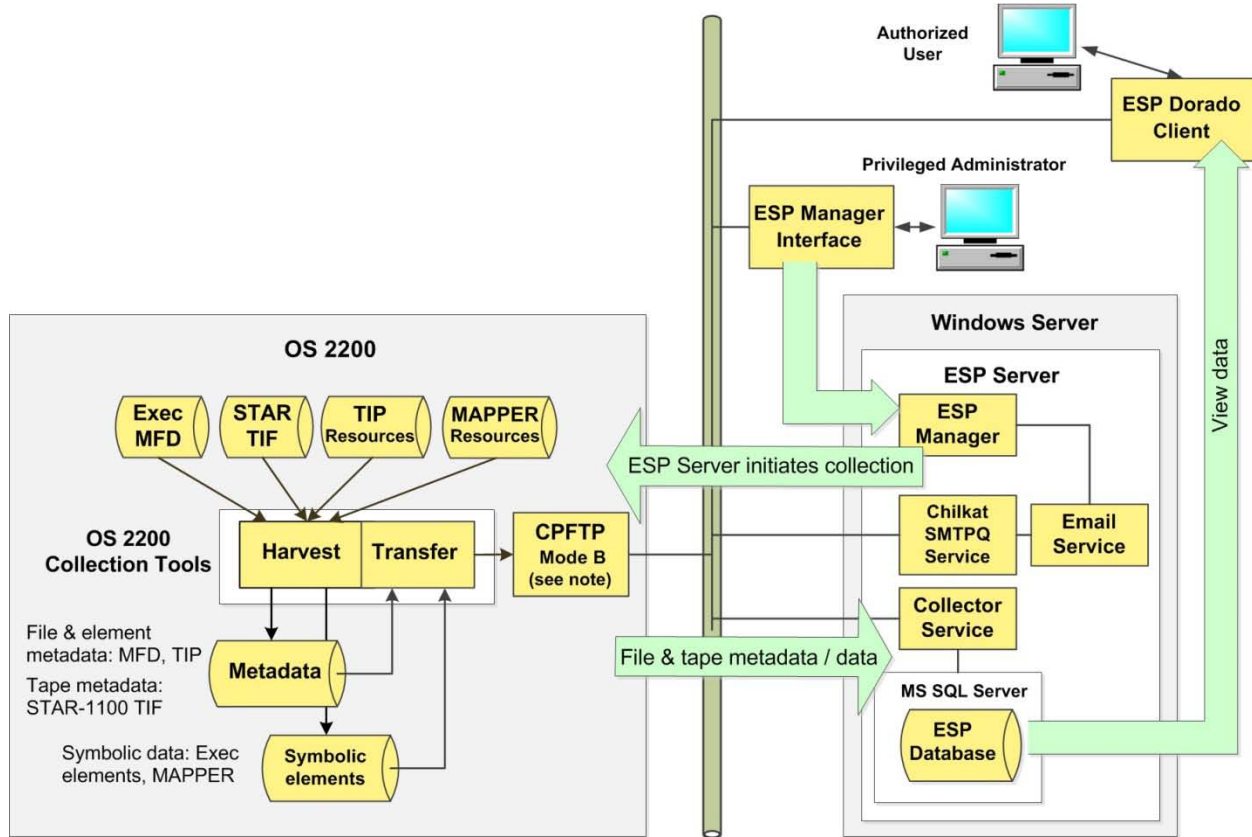
ESP-Dorado is a modern interactive tool giving its users dynamic visibility into the metadata / source data of their OS 2200 files and tapes, including TIP and BIS (MAPPER) objects.

Powerful search features help users identify source elements in seconds and transition seamlessly to an editor of their choice. Features relevant to management, operations, and your development teams bring stunning improvements in productivity to ESP's users. Power users conveniently share their research with others.

Release Status	Current release: ESP-Dorado 3R1
Installation	Standard installation w/ COMUS and SOLAR for OS 2200 components Familiar Windows installation techniques for server, client components
Architecture	Client-server
Collected from OS 2200 system	Metadata for all disk & tape, scope configurable by customer Source elements from disk and, optionally from tape — configurable
Dashboard Capabilities	Expandable, interactive tiled graphical displays for disk and tape resources Hover over graph elements (slices, bars) to see relevant statistics Click-through graph elements to generate a scrollable File List or Tape List
Interactive List Objects	Scrollable Sort, filter on multiple parameters, group by multiple column values
Search	System-side search for source elements using convenient forms or strings
Analyst / Developer Tools	Analyze scrollable lists, conveniently export for collaboration Edit source directly on OS 2200 or locally on workstation Powerful tools to oversee, manage, and search TIP resources
Operations	Visually monitor disk use over time Visually monitor scratch pool contents

# Overview

## ESP-Dorado Components



ESP-Dorado 3R1  
Administrator Guide  
Section 2 "Installing the  
OS 2200 Collection Tools"

### ESP-Dorado OS 2200 Collection Tools

The OS 2200 Collection Tools gather metadata from several sources and send it to the ESP Server, where it is stored in a database. As a configurable options, the Collection Tools also send source element data.

### ESP Server

The ESP Server, on a Windows Server platform, receives the metadata and data harvested by the collection tools on the OS 2200 system. The ESP Server stores the metadata and data in a database under MS SQL Server.

ESP-Dorado 3R1  
Administrator Guide  
Section 4 various topics,  
including "Configuring the  
Scope of the Collection"

The ESP Server also includes the ESP Manager program. ESP administrators use the Manager to configure ESP's operating characteristics. They set up and authorize users. Administrators also

configure the scope of the collection of metadata and source data. They can optionally exclude collection from specific accounts, project ids, qualifiers, etc. They can choose whether or not to collect source data.

The ESP Server also has a function supporting email communications. ESP users can export results from ESP and collaborate with other ESP users, or with co-workers who are not ESP users.

### **ESP Database**

The Collector Service within the ESP Server receives the metadata and data from the OS 2200 system, and stores it in the ESP Database.

### **ESP Client**

The ESP Client is hosted on a conventional workstation, under Windows. Authorized ESP-Dorado users exercise ESP Client features to display metadata and data, to search the database, and, optionally, to edit source data.

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## ESP-Dorado in Action

### **Summaries in Dashboard**

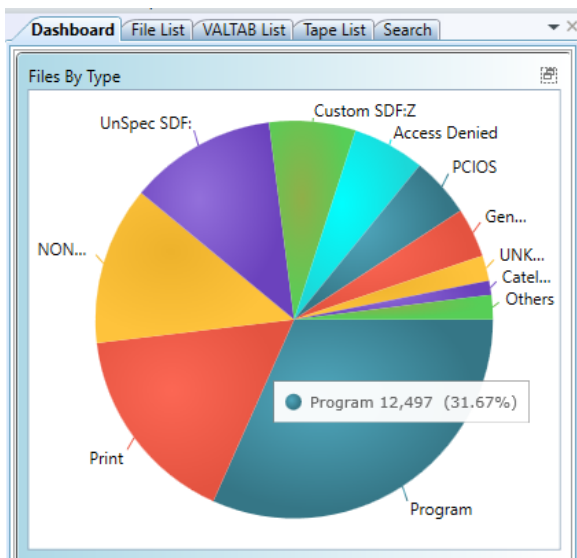
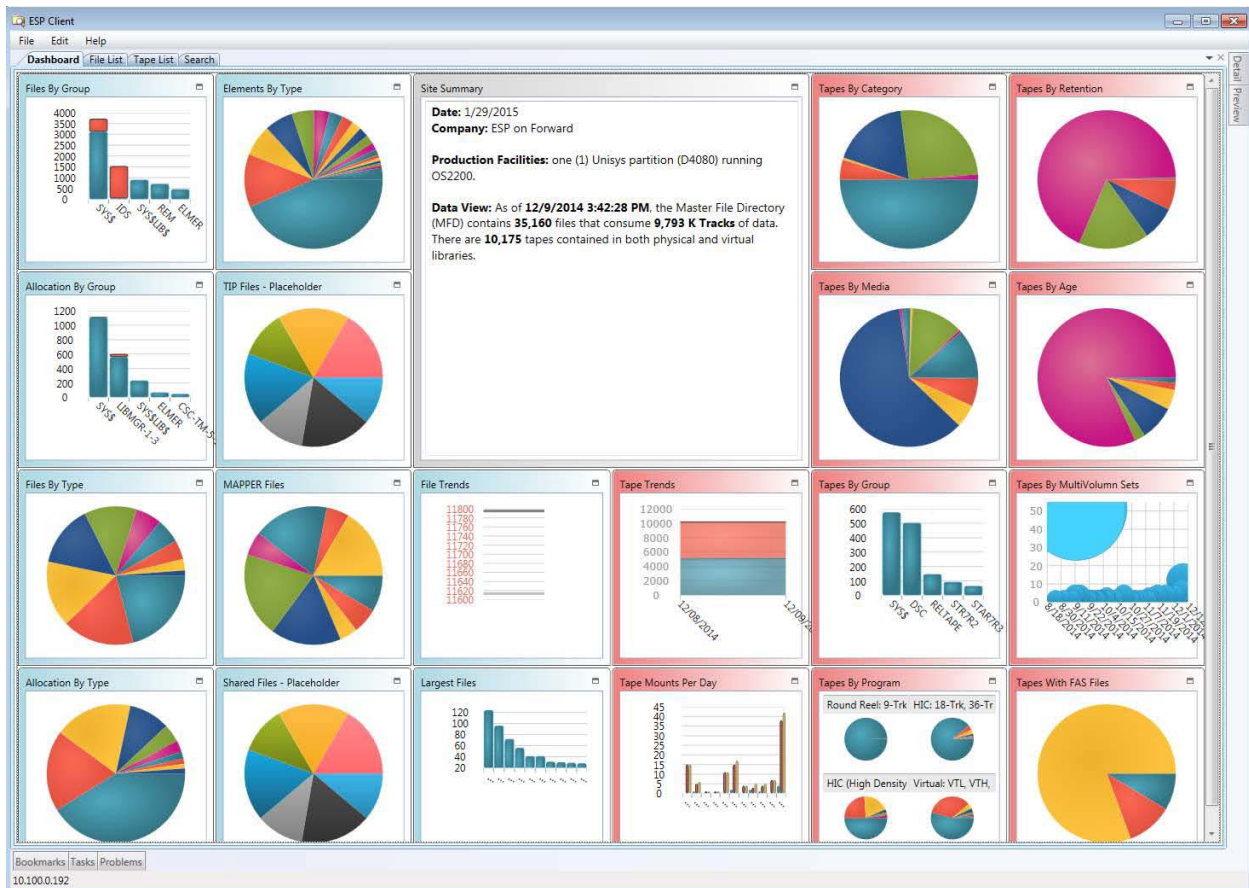
Review your site's operations and resources at a glance: disk resources in blue, tape assets in red.

ESP's dashboard presents graphical summaries in a series of tiles.

Maximize the tile for a closer look. Hover over a graph element—a pie slice, a graph bar—to see the underlying statistics. Click-through on a graph element to produce a detailed display, often a File List or a Tape List.

Operations staff can quickly:

- monitor disk use,
- check on availability in scratch pools,
- do a quick expiration/aging analysis of your site's tapes,
- and more.



As you maximize the tile “Files byType,” you can hover over the slice for program files to see the count and percentage of program files at the site.

Click-through on that pie slice to generate a File List.

## File List

The File List is scrollable and highly interactive.

Qualifier	Filename	Cycle	Owner	CLvl	Account	Project	Catalogued	Last Ref	File Type	Granu
ACMDT	2R6D-RUN	1	ELMER	32	0500000	ELMER	06/07/2017	10/30/2018	Access Denied	T
ACMDT	2R6D2-SI	1	ELMER	32	0500000	ELMER	06/07/2017	10/30/2018	Access Denied	T
ACMDT	2R6D2-SUR	1	ELMER	32	0500000	ELMER	06/07/2017	06/07/2017	Access Denied	T
ACMDT	2R6D2-UTIL	1	ELMER	32	0500000	ELMER	06/07/2017	10/30/2018	Access Denied	T
ACMDT	2R6-NBASE	1	GARY	32	0500000	GARY	01/08/2014	02/13/2019	Program	T
ACMDT	2R6-UTIL	1	GARY	32	0500000	GARY	04/01/2013	02/13/2019	Program	T
ACMDT	3R1-NBASE	1	GARY	32	0500000	GARY	06/25/2001	06/20/2019	Program	T
ACMDT	3R1-UTIL	1	GARY	32	0500000	GARY	06/25/2001	02/13/2019	Program	T
ACMDT	CHANGE	1	CARL	32	0700000	CARL	10/28/2010	02/13/2019	Program	T
ACMDT	CONVERSION	1	GARY	32	0500000	GARY	12/16/1997	02/13/2019	Program	T
ACMDT	HMP11-1	1	GARY	32	0500000	GARY	10/27/2010	11/21/2018	Print	T

The example below shows only a few of the ways users can explore it. Authorized users can right-click on a symbolic element and then edit it. After organizing a list via filtering, sorting, and more—in a few clicks and keystrokes, the user can export the list to Excel and email it to a co-worker.

Dashboard

File List

VALTAB List

Tape List

Search

Selectors: Disk

Tab

Active

Deleted

Views: Custom1

Custom2

Custom3

Custom4

Custom5

Custom6

Standard

Shared

Removable

TIP MAP

Volser

Default

Qualifier	Filename	Cycle	Owner	CLvl	Account	Project	Catalogued	Last Ref	File Type
ACMDT	1R2-RO	1	32	0500000	BARB	11/19/1997	02/13/2019	Program	T
ACMDT	1R2-SI	1	32	0500000	BARB	09/29/1997	02/13/2019	Program	T

Backup History

Click “u” to show backups

BU Date/Time	Seg #	Volser	Position
10/01/2020 09:30:45	1	DS4179	6293
09/10/2019 11:48:04	1	DS4922	2337
12/21/2018 15:42:28	1	DS4677	69

Table of Content

Click “u” to show elements

Preview	Qualifier	Filename	F-Cyc	Element	Version	Cycle	Type	SubType	DateTime	Delet
	ACMDT	1R2-SI	1	GETDAYS	1	SYM	MSM		02/27/1997 10:38:26	
	ACMDT	1R2-SI	1	ADMIN	0	SYM	ELT		05/16/1997 15:44:48	
	ACMDT	1R2-SI	1	ADMINLINK	4	SYM	ELT		02/26/1997 15:10:18	
	ACMDT	1R2-SI	1	ADMSORT	4	SYM	ELT		03/26/1997 13:52:36	
	ACMDT	1R2-SI	1	AHADMIN	2	SYM	ELT		02/27/1997 11:27:07	
	ACMDT	1R2-SI	1	COSINSSGS	0	SYM	ELT		04/18/1997 13:37:33	
	ACMDT	1R2-SI	1	COSREPSGS	0	SYM	ELT		05/07/1997 08:26:36	
	ACMDT	1R2-SI	1	COMU\$INSTALL	2	SYM	ELT		03/27/1997 12:07:50	

Hover on binoculars to display source



## Search

Search is flexible and powerful—covering your entire enterprise.

The screenshot shows the 'Search' tab in the application's top menu. The 'Enter Criteria' section contains four input fields: 'AND items:' with the text 'tdate\$', 'OR items:', 'NOT items:', and 'NEAR items:'. Below these are 'Search' and 'Reset' buttons. The 'Filter Results' section includes dropdown menus for 'Owner:', 'Acct No:', 'Project ID:', 'Qualifier:', and 'Element SubType:', along with text input fields for 'File Name:' and 'Element Name:'. At the bottom, there are date pickers for 'Date Range:' with the text 'Select a date' and 'and' between them. On the right side, there are links for 'Search By String' and 'Search Help'.

Search on the string “tdate\$.” Right-click on a source element line, choose “View,” to display the source. Use the Hit List to go to lines in the source. Right-click in the source frame for options, including editing.

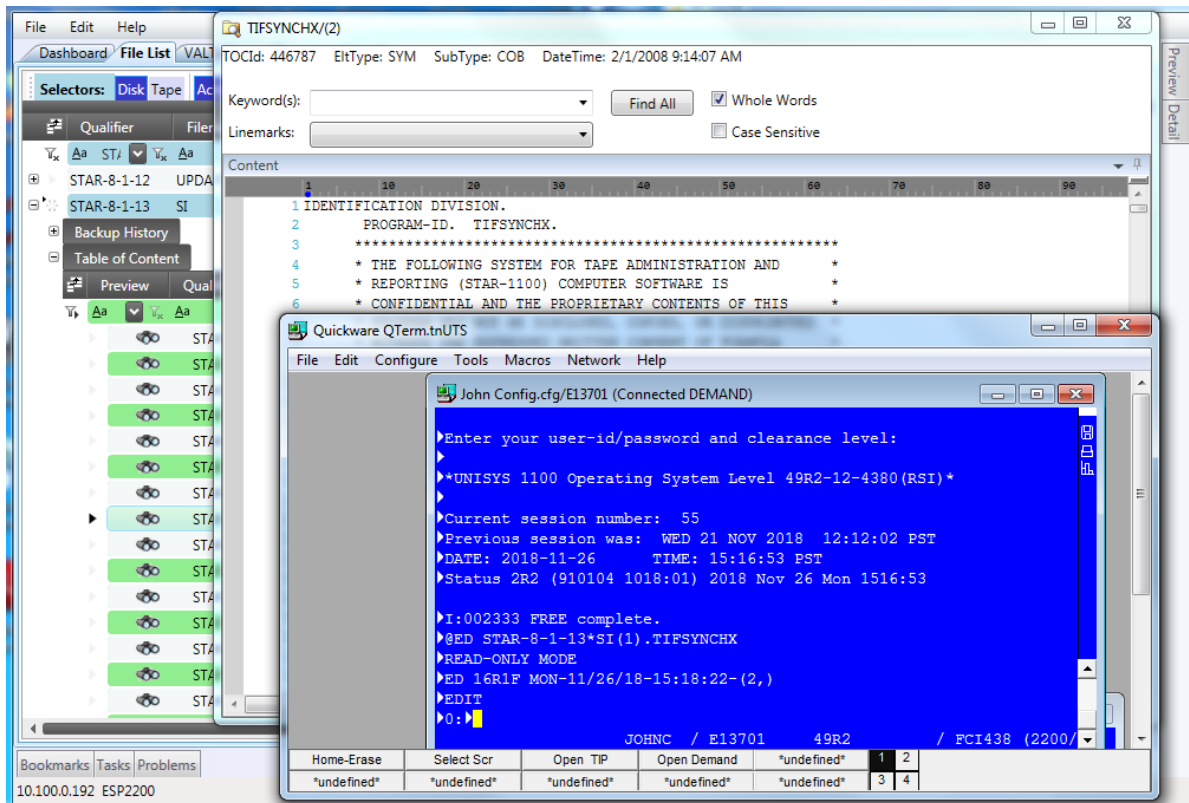
This screenshot shows the 'Result List' tab. The 'Search String' is 'tdate\$'. The 'Hit List' at the bottom shows three results for the keyword 'tdate\$'. The first result is highlighted, and a red arrow points to it with the text 'Click on hit list item to go directly to that line in the source'. Another red arrow points from the 'View' button in the context menu to the first result in the Hit List. A third red arrow points from the 'Edit' button in the context menu to the source code area. The source code area shows a list of lines with the keyword 'tdate\$' highlighted in blue. A context menu is open over the source code, showing options: 'Find All', 'Search Source', 'Search Element', 'Bookmark', 'Export', and 'Edit' (which is circled in red). The source code area also shows a 'Keyword(s): TDATE\$' field and a 'Find All' button. The 'Hit List' shows the following results:

Line	Text
Line 192	. use TDATE\$ until there is a service for inspectime\$
Line 221	L A3,0,0,B8 . caller's TDATE\$
Line 460	ER TDATE\$



## Editing Source

The example below shows editing directly on the OS 2200 source via an OS 2200 editor, which was pre-configured by your ESP administrator. Users securely access the source, using their OS 2200 signon credentials.



## Tape List

The Tape List is scrollable and highly interactive, like the File List.

Dashboard   File List   VALTAB List   Tape List   Search														
Views: Custom1 Custom2 Custom3 Custom4 Custom5 Custom6 Cat Tape MVS Default														
#	Volser	SCR	Qualifier	Filename	Cyc	FstVol	NxtVol	PreVol	Vol	Owner	Account	Project	Program	Created
0	Scratch	FRITZ	PTLMQ1R1	1					1	FRITZ	0700000	FRITZ	FURPUR	10/25/2001
000001	Scratch	DAN	TAPE1	1					1	DAN	0700000	DAN	TAPETESTER	08/13/1993
000002	Scratch	DAN	TAPE0	1					2	DAN	0700000	DAN	FURPUR	03/15/1993
000003	Scratch	ELMER	TAPE0	1					1	ELMER	0500000	ELMER	TAPETESTER	03/01/1993
100004	Scratch	DAN	TAPE1	1					1	DAN	0700000	DAN	TAPETESTER	08/13/1993
100005	Scratch	DAN	TAPE1	1					1	DAN	0700000	DAN	FURPUR	07/05/1993
100006	Scratch	ELMER	TAPE1	1					1	ELMER	0500000	ELMER	TAPETESTER	03/01/1993
100007	Scratch	BELSKI	TP	1					1	BELSKI	0700000	BELSKI	FURPUR	04/29/1994
10015	In-Use	DPS	MASTER	1	10015				1	GARY	0500000	GARY	FURPUR	03/16/1987
10036	In-Use	EXEC	SYM39	1	10036	10045			1	TBOY			FURPUR	
10038	In-Use	DPS	NEWMASER	1	10038				1	GARY	0500000	SYSS	FURPUR	03/10/1987
10039	Scratch	SYSS	AUDITS01	1					1	EXEC 8	EXEC 8	EXEC 8	EXEC 8	01/10/1995
10045	In-Use	EXEC	SYM39	1	10036		10036		2	TBOY			FURPUR	
10052	In-Use	OTS3R4	OMASTER	1	10052				1	GARY	0	OTS3R4	FURPUR	04/09/1986
10095	In-Use	ACOB6R2B	REL	1	10095				1	TOI	0500000	ACOB6R2B	FURPUR	09/12/1989
10139	In-Use	EXEC	SYM38	1	10139	10140			1	TBOY			FURPUR	

You can produce the Tape List from the main menu, or from the dashboard. On the dashboard, click on the red (scratch) portion of the graph in the tile “Tape Trends.” ESP will generate a scrollable list of pools, showing in-use and scratch tapes. The example below shows the start of the list of scratch tapes in the pool “DVTLSLPOOL.”

The screenshot shows the 'Tape List' window in the ESP Client. The 'Views' tab is set to 'Tapes By Trends: Scratch'. The window displays a summary of tape pools and a detailed list of scratch tapes.

Pool	Count	In-Use (68 items)	Scratch (220 items)
DSI500SLPOOL (1 item)	Cycle Count = 5		
DVTNLPOOL (2 items)	Cycle Count = 8		
DVTLSLPOOL (2 items)	Cycle Count = 288		
Count = 10071			
Count = 288			
Count = 220			

Volser	SCR	Qualifier	Filename	Cycle	Σ	FstVol	NxtVol	PreVol	Vols	Σ	Owner	Account
DS4010	Scratch	SY\$	OBACUP	1					1	FORMULA	0	
DS4011	Scratch	SY\$	SACRD\$SAVE	1					1	EXEC 8	EXEC 8	
DS4012	Scratch	SY\$	OBACUP	1					1	FORMULA	0	
DS4013	Scratch	SY\$	OBACUP	1					1	FORMULA	0	
DS4014	Scratch	SY\$	OBACUP	1					1	FORMULA	0	

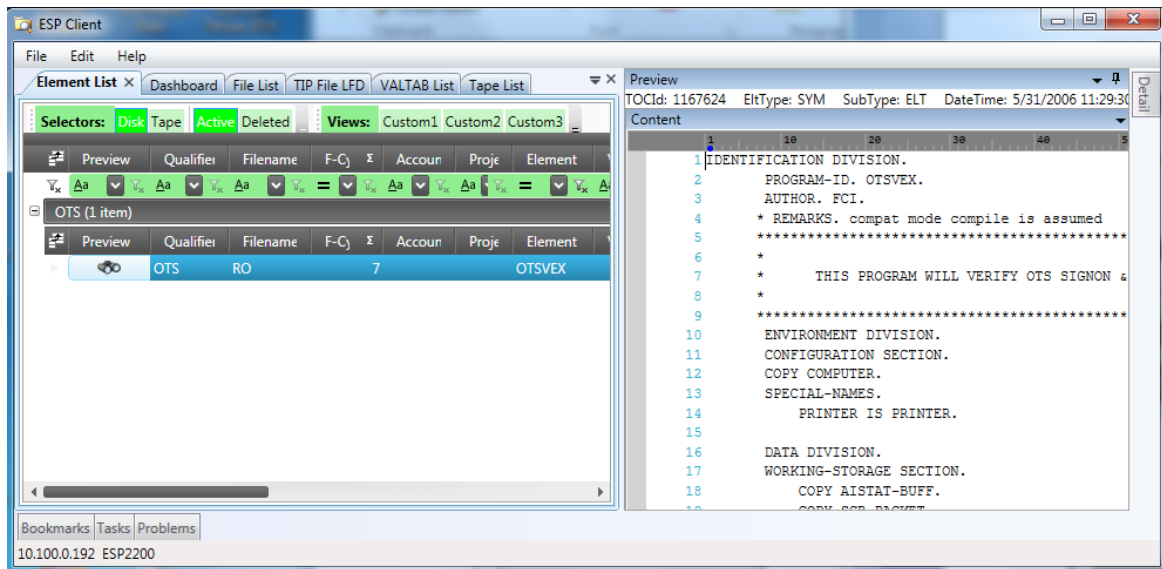
## Tools for You TIP Environment

ESP provides tools to identify the crucial resources in your TIP world. From the VALTAB list, right-click an item and then choose “Search.”

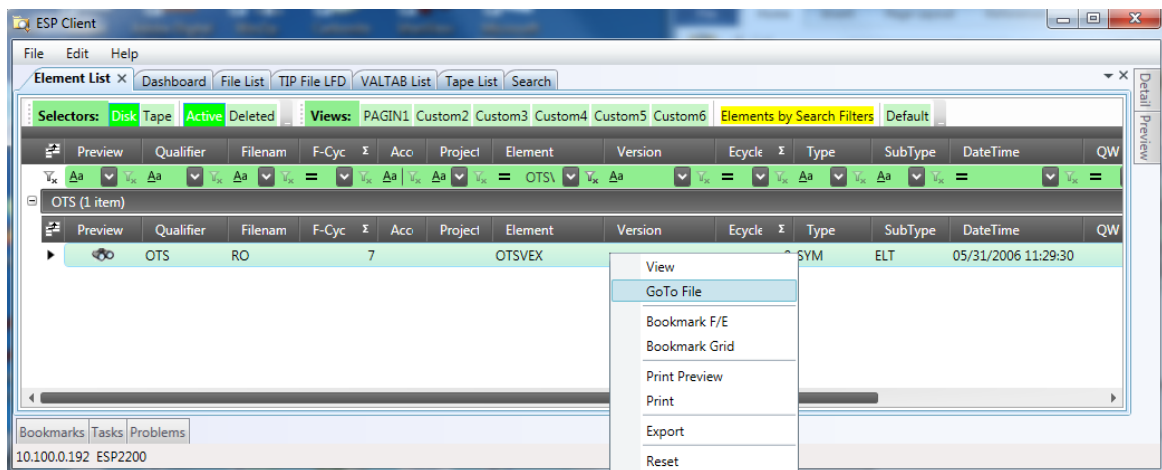
The screenshot shows the 'VALTAB List' window in the ESP Client. The window displays a list of programs with columns for PGM, Transaction Cc, Program Name, Runtime, Priority, Program Ty, Program Fil, Copies, and Print Device. A context menu is open over the list, showing options: Search, Print Preview, Print, and Export.

PGM	Transaction Cc	Program Name	Runtime	Priority	Program Ty	Program Fil	Copies	Print Device
24 TST8	TST8		60 M		2	2	2	TIPPR
25 GARY	GARY		60 M		1	2	2	TIPPR
26 OTSVEX	OTSVEX				2	0	2	TIPPR
27 OTSERR	OTSERR				2	2	2	TIPPR
28 TIMOUT	TIMOUT				2	2	2	TIPPR
29 MMSDTM	MMSDTM				2	2	2	TIPPR
30 HTEST1	HTEST1				2	0	2	TIPPR
31 HTEST2	HTEST2		60 M		2	0	2	TIPPR
32 TIPAPP	TEST		60 M		2	2	2	TIPPR
33 DXDTST	DXDTST		60 M		1	2	2	TIPPR
34 OTSPRG	OTSPRG		60 A		2	2	2	TIPPR
35 OTSTRM	OTSTRM		60 A		2	2	2	TIPPR
36 OTSUSR	OTSUSR		60 A		2	2	2	TIPPR

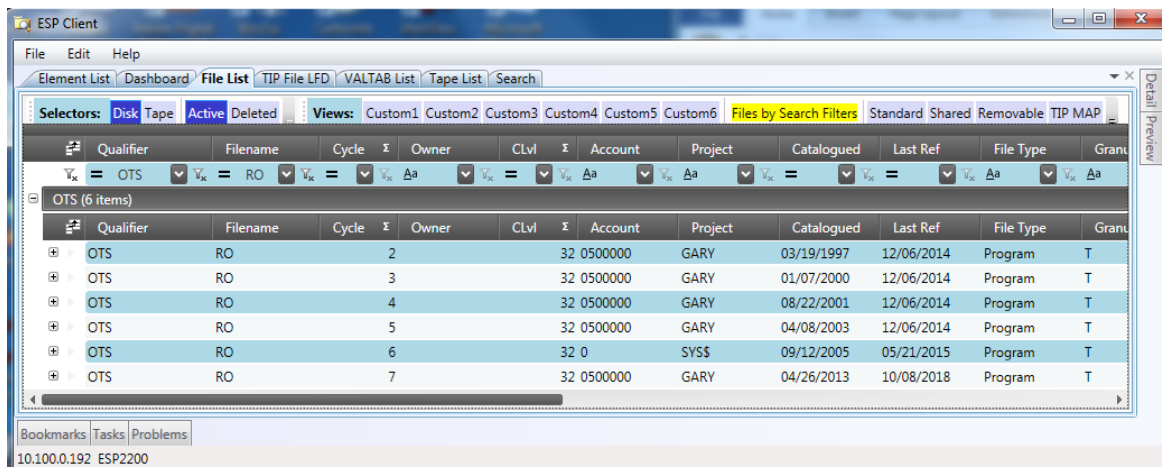
The search function generates an element list. Optionally view the source.



Then, you can find the OS 2200 file in which the source resides.



Right-click the row and choose “GoToFile.”



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# Learning About ESP-Dorado

ESP-Dorado has a full set of written documentation. However, because ESP delivers its value via interactive graphical presentations, videos can convey ESP's use and value more effectively.

<i>Overview of ESP-Dorado</i>	<a href="https://www.youtube.com/watch?v=ZDJNpQrSEIE">https://www.youtube.com/watch?v=ZDJNpQrSEIE</a>	3 ½ minutes
<i>Disk resource planning</i>	<a href="https://www.youtube.com/watch?v=-qDMgvnn6Fs&amp;feature=youtu.be">https://www.youtube.com/watch?v=-qDMgvnn6Fs&amp;feature=youtu.be</a>	4 min
<i>Finding missing source code</i>	<a href="https://www.youtube.com/watch?v=Qx_rAEFsC8k&amp;feature=youtu.be">https://www.youtube.com/watch?v=Qx_rAEFsC8k&amp;feature=youtu.be</a>	5 min
<i>Resolving a console message</i>	<a href="https://www.youtube.com/watch?v=G8maA24s900&amp;feature=youtu.be">https://www.youtube.com/watch?v=G8maA24s900&amp;feature=youtu.be</a>	4 min

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## Product Documentation

The ESP-Dorado documentation set:

*ESP-Dorado 3R1 Release Announcement.*

*ESP-Dorado 3R1 Administrator Guide FP-102001-002*

*ESP-Dorado 3R1 Client User Guide FP-102002-002*

*ESP 3R1 OS 2200 Collection Tools Quick Start Guide.*

*ESP 3R1 Server Quick Start Guide.*

*ESP 3R1 Client Quick Start Guide.*