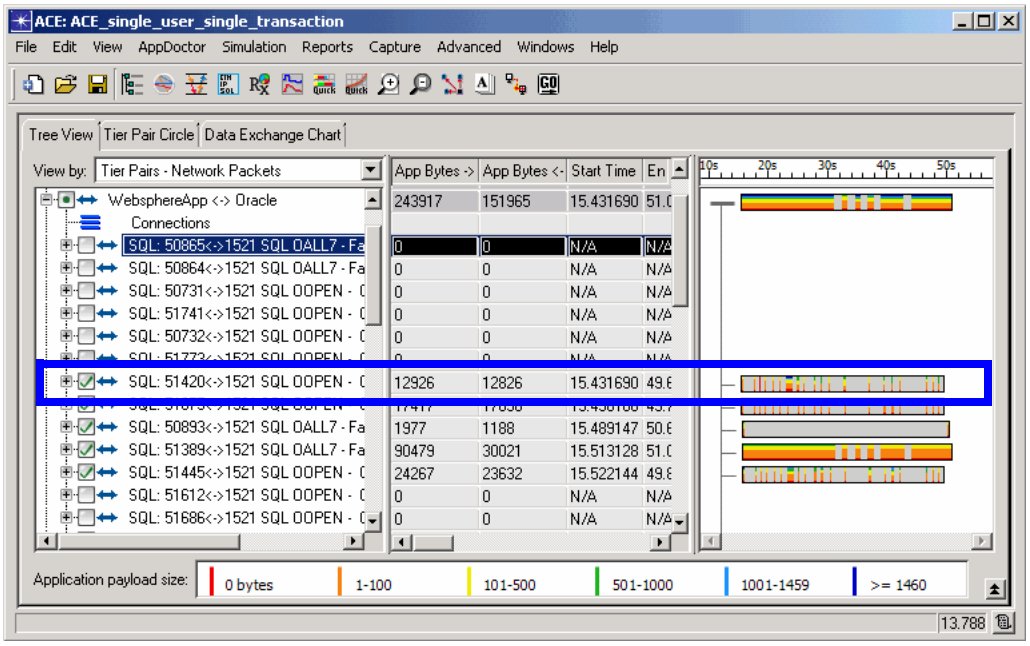
13 Tree View

The Tree View page hierarchically arranges tier pairs, transactions, messages, connections, and packets.

The Tree View page, shown in the following figure, has the following panes:

- Tree Pane (left)—Shows how the individual packets or messages are organized into tier pairs, connections, and frames. You can view summary information about transactions, and view the separate transactions arranged along a timeline.
- Table Pane (center)—Shows statistics about individual tier pairs, connections, and frames.
- Timeline Pane (right)—Shows the traffic patterns and duration of each tier pair or connection over the time of the task.

Figure 13-1 Tree View Page



Tree pane Table pane Timeline pane

Additionally, you can view protocol decode information for selected packets by selecting View > Embed Protocol Decode Viewer. For more information, see Protocol Decode Viewer.

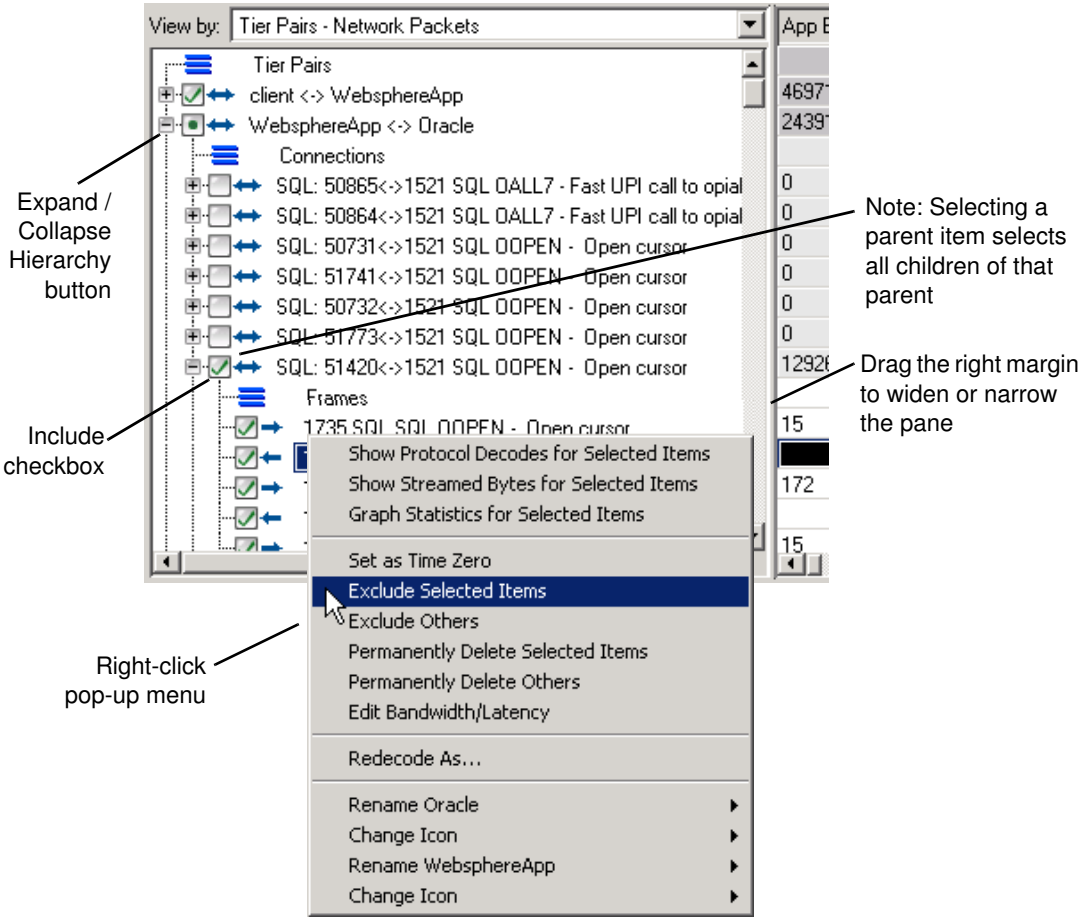
Related Topics

- *Tier Pair Circle*
- *Data Exchange Chart*

Tree Pane

The tree pane organizes an application into tier pairs, connections, and frames. Each line shows high-level decode data for an item.

Figure 13-2 Tree Pane



The checkboxes by each item indicate whether it is included or excluded from consideration. You can modify this setting from the Edit menu or by right-clicking an item to open the Selection pop-up menu.

Setting the View

The View By pull-down menu (lower-left corner) determines how the treeview organizes and shows the application. The available settings are:

- Tier Pairs - Network Packets—The treeview organizes the task by tier pairs (top level), port connections (within each tier pair) and packets.
- Tier Pairs/Application Transactions—The treeview organizes the task by tier pairs (top level), application transactions (within each tier pair) and application messages.
- Application Transactions—The treeview organizes the treeview by application transactions (top level) and packets, without regard to tier pairs.

Application Transactions

How AppTransaction Xpert defines an “application transaction” depends on whether you have a license for AppTransaction Xpert Decode Module.

With AppTransaction Xpert Decode Module AppTransaction Xpert defines an application transaction as an exchange of messages between two tiers, in which

- All messages use the same port on each tier
- Each message (except the first) is dependent on a previous message

For example, suppose your task includes a series of consecutive messages that go to or from port 80 on a client tier. These messages go to or from two different ports (1206 and port 1203) on the server tier. AppTransaction Xpert organizes these messages into two different transactions (80<-->1203 and 80<-->1206).

Occasionally, a connection might transfer messages between two ports and close; later in the application, another connection opens between the same two ports and transfers more messages. In this event, AppTransaction Xpert groups the messages into separate transactions.

Without AppTransaction Xpert Decode Module AppTransaction Xpert can organize a task into different types of transactions based on the application type. For example, AppTransaction Xpert can decode HTTP messages and arrange them into GET, Connection Open, and Connection Close transactions.

For more information, see AppTransaction Xpert Decode Module.

Related Topics

- *Tree View*

Table Pane

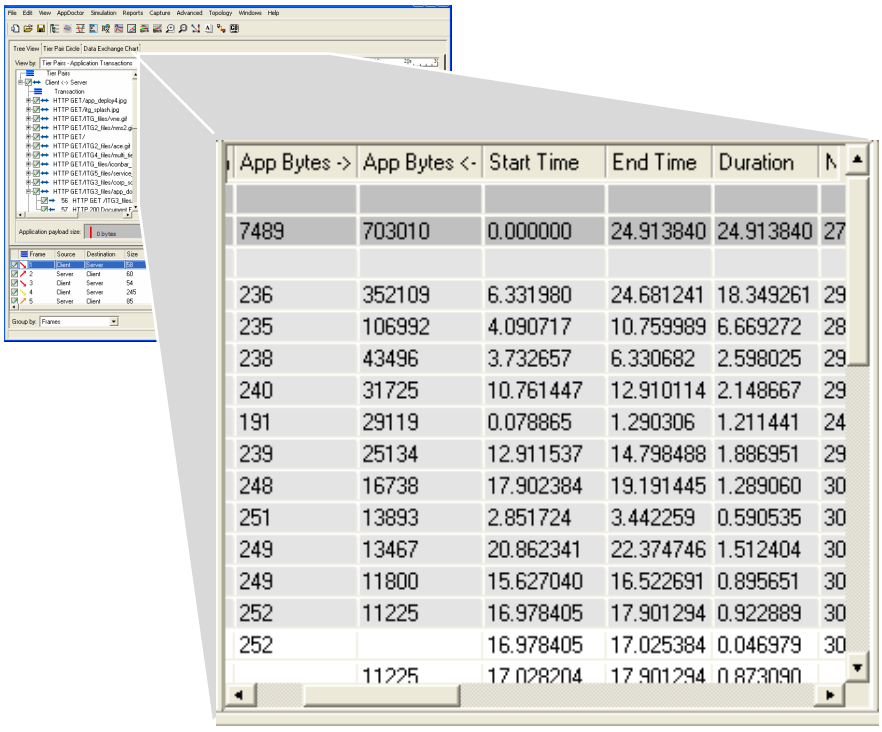
The table pane shows statistical information for each row in the Tree Pane.

Perform the following actions on the table pane to display the information that you want to see:

- Sort—Click a column header to sort by descending values in the column. Click the column header again to sort by ascending values.
- Customize Display—To customize the statistics to appear in the table, do one of the following:
  - — Choose View > Choose Table Columns…
  - — Right-click on the table and select “Choose Treeview Columns…”

  In the “Modify Column Statistics” dialog box, specify the statistics to appear in the table and the sequence in which you want them to display.
- Resize Columns—To resize a column, click on a column border and drag the border to the right or left.
- Resize the Table—To resize the table, click on a table border and drag the border to the right or left.

Figure 13-3 Table Pane



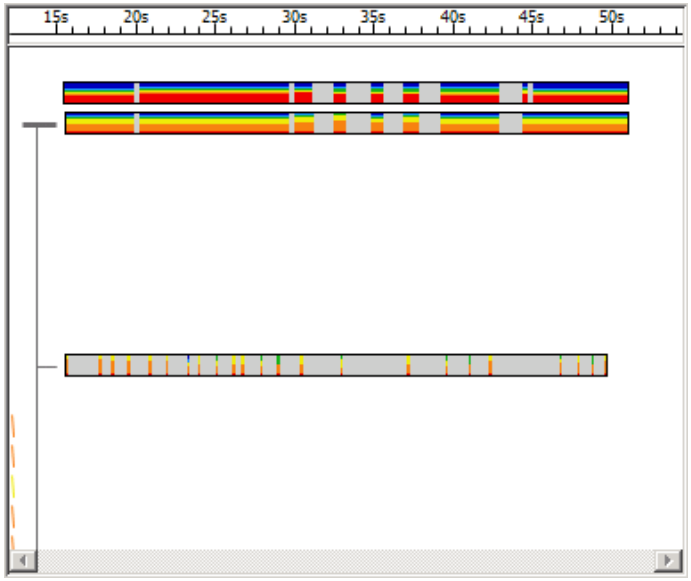
Related Topics

- *Tree View*

Timeline Pane

The timeline pane shows the duration and traffic patterns for each tier pair and connection, using the same conventions as Data Exchange Chart.

Figure 13-4 Timeline Pane



To perform operations on the items in this pane:

- Right-click on an item to open a menu of valid operations for that item.
- Double-click on an item to view it in the Data Exchange Chart. (This action also excludes all other items from the task.)
- Right-click in an empty part of the pane to include all items that have been excluded.

Related Topics

- *Tree View*