App B   Preferences

The following are some of the preferences that are available for customizing AppTransaction Xpert. For a complete list of preferences, choose Edit > Preferences. Use the search feature to find specific preferences.

ace_acausal_message_warning_enabled

Specifies whether to generate a warning once per characterization of acausal messages when doing related statistic operations. When TRUE, warnings of acausal messages are generated.

Type	boolean
Default Value	TRUE

ace_color_bucket1

Specifies a color used for buckets in the data exchange chart and tier pair circle. The value of this preference changes only at startup.

Type	string
Default Value	#EC0000

ace_color_bucket2

Specifies a color used for buckets in the data exchange chart and tier pair circle. The value of this preference changes only at startup.

Type	string
Default Value	#F38016

ace_color_bucket3

Specifies a color used for buckets in the data exchange chart and tier pair circle. The value of this preference changes only at startup.

Type	string
Default Value	#E9E90C

ace_color_bucket4

Specifies a color used for buckets in the data exchange chart and tier pair circle. The value of this preference changes only at startup.

Type	string
Default Value	#1FB21F

ace_color_bucket5

Specifies a color used for buckets in the data exchange chart and tier pair circle. The value of this preference changes only at startup.

Type	string
Default Value	#1991FF

ace_color_bucket6

Specifies a color used for buckets in the data exchange chart and tier pair circle. The value of this preference changes only at startup.

Type	string
Default Value	#0000BD

ace_decode_tree_font

Specifies the font used for text in decode treeviews.

Type	string
Default Value	Windows: "Trebuchet MS, medium 8"

ace_default_mss

Specifies the default maximum segment size (MSS) in bytes. The default value to use for a connection's MSS if it is not observed, estimated, or specified. A connection's MSS value is used to address TCP Segmentation Offloading in packet traces and for analysis purposes.

Type	integer
Default Value	1460

ace_default_transport_offset

Specifies a default offset, in bytes, from the start of the packet to the application data. AppTransaction Xpert uses this default only when the actual offset is not known.

Type	integer
Default Value	54

ace_display_dec_icons

Specifies the icons used to represent tiers in a data exchange chart.

Type	integer
Default Value	1

ace_external_decoder_prog

Path and filename of the program (if any) used to generate protocol decodes.

Type	string
Default Value	<null>

ace_filter_duplicate_packets_mode

Specifies whether and how AppTransaction Xpert should filter duplicate packets on import. The possible values are:

• Disabled—Do not filter duplicate packets.

• Filter Duplicates Binary—Filter duplicate packets by comparing the binary data (filtering occurs after reading the packet trace file, but before decoding it).

• Filter Duplicate IP—Filter duplicate packets by comparing IP addresses (filtering occurs during decoding).

• Filter All—Filter duplicate packets by comparing both binary data and IP addresses.

Type	enum
Default Value	"Filter Duplicate IP"

ace_filter_duplicate_packets_time_threshold

When filtering packets (as specified by ace_filter_duplicate_packets_mode), AppTransaction Xpert filters only those duplicates that occur with the time window specified by this preference. The time threshold is given in seconds.

Type	double
Default Value	0.002

ace_gantt_connection_background_color

Specifies the background color for connection table cells in a Gantt chart table.

Type	string
Default Value	#E4E4E4

ace_gantt_connection_foreground_color

Specifies the text color for connections appearing in a Gantt chart table.

Type	string
Default Value	#000000

ace_gantt_network_packet_background_color

Specifies the background color for network packet table cells in a Gantt chart table.

Type	string
Default Value	#FFFFFF

ace_gantt_network_packet_foreground_color

Specifies the text color for network packets appearing in a Gantt chart table.

Type	string
Default Value	#000000

ace_gantt_tier_pair_background_color

Specifies the background color for tier pair table cells in a Gantt chart table.

Type	string
Default Value	#C0C0C0

ace_gantt_tier_pair_foreground_color

Specifies the text color for tier pairs appearing in a Gantt chart table.

Type	string
Default Value	#000000

ace_import_config_dir

Specifies the default directory used to store import configuration files.

Type	string
Default Value	""

ace_launch_word_reports

Specifies whether to launch a word processor after generating a Word report in AppTransaction Xpert. When TRUE, Word reports are opened automatically in the word processor specified by the word_processing_prog preference.

Type	boolean
Default Value	TRUE

ace_max_legend_appl_size

Specifies the maximum value shown in the AppTransaction Xpert application size legend. This value, which typically is the maximum segment size (MSS), is used when assigning bins in data exchange charts.

Type	integer
Default Value	1460

ace_partial_cap_import_enabled

When TRUE, specifies that partial support for import of NAI Sniffer Ethernet `.cap` files is enabled.

Note—This support is not complete and will not work for some files.

Type	boolean
Default Value	TRUE

ace_post_import_filter_wizard_enabled

Specifies whether to display the "Choose Filter Options" dialog box after opening a packet trace in Transaction Analyzer.

Type	boolean
Default Value	FALSE

Note—If this preference is set to FALSE, you can apply the same filter options by choosing Edit > Filter Wizard in Transaction Analyzer.

ace_preprocessor_progs

Specifies pre-processors that are available for use by AppTransaction Xpert.

Type	string list
Default Value	<empty>

ace_qp_default_bandwidth_size_tcp

Specifies the default bandwidth size (KB) used in QuickPredict.

Type	integer
Default Value	1000000

ace_qp_default_latency_size_tcp

Specifies the default latency (milliseconds) used in QuickPredict.

Type	integer
Default Value	0

ace_qp_default_transport_tcp

Specifies whether AppTransaction Xpert should model TCP behavior for connections when performing quick predict operations. When TRUE, TCP behavior is modeled.

Type	boolean
Default Value	TRUE

ace_qp_default_window_size_tcp

Specifies the default TCP window size (KB) used in QuickPredict.

Type	integer
Default Value	64

ace_quickview_force_old_chart_drawing

Specifies whether to display color-coding (indicating byte size) in the Trace Explorer chart when showing traffic by time.

Type	boolean
Default Value	FALSE

When set to TRUE, the "View > Show Chart Drawing Legend" option cannot be selected from Trace Explorer.

ace_tso_always_prompt

When true, the "Remove TCP Segmentation Offloading" dialog box always displays when importing a file into Transaction Analyzer or exporting it from Trace Explorer.

Type	boolean
Default Value	FALSE

ace_tool_narrow_scrollbars_use

Specifies whether to use narrow scrollbars in AppTransaction Xpert tool dialog boxes, such as the data exchange chart and treeview. When TRUE, narrow scrollbars are used.

Type	boolean
Default Value	TRUE

ace_trace_file_dir

Specifies the default directory from which AppTransaction Xpert imports packet trace files.

Type	string
Default Value	""

ace_treeview_font

Specifies the font used to display text in treeviews.

Type	string
Default Value	Windows: "MS Sans Serif, medium, 7"

ace_use_external_decoder

If this preference is TRUE, when a packet trace is opened, AppTransaction Xpert invokes the external decoder and includes the decode information in the resulting Transaction Analyzer model.

Type	boolean
Default Value	TRUE

ace_web_report_dir

Specifies the default directory used to export HTML files.

Type	string
Default Value	""

ace_web_report_use_local_time

Specifies whether UTC or local time is used when appending the date to a Web Reports directory name. When TRUE, local time is used.

Type	boolean
Default Value	TRUE

WAN Acceleration Preferences

The following preferences specify ports and IP addresses that are commonly used to detect WAN-accelerated traffic when importing packet captures. AppTransaction Xpert uses these preferences to

- Auto-detect accelerated traffic

- Auto-detect device types (Cisco WAE, Riverbed Steelhead, Juniper WX)

- Auto-detect the network segment (LAN or WAN) where specific traffic was captured

- Identify WAN and LAN connections in packet traces that contain both LAN and WAN traffic

Note—These preferences have defaults that are based on the standard appliance configurations typically used in production networks. Do not edit theses preference unless the accelerator settings in your production network have been modified. (For situations in which you might want to edit these preferences, see Troubleshooting WAN Acceleration Imports.)

WAN Accelerator Ports (Cisco)

Specifies the standard port used by Cisco WAE devices to exchange WAN-accelerated traffic. AppTransaction Xpert uses this preference to auto-detect accelerated traffic sent and received by Cisco WAE devices. You typically do not need to change this preference unless the Cisco accelerators in your production network have been modified.

Type	string list
Default Value	4050

WAN Accelerator IP Protocol IDs

AppTransaction Xpert uses these protocol IDs to distinguish WAN from LAN traffic. The default settings specify the protocol IDs of IPSec (50, 51), which is used Riverbed Steelhead devices; and IPComp (108), which is used by Juniper WX devices.

Type	string list
Default Value	50, 51, 108

WAN Accelerator Ports (Generic)

This preference is provided for supporting accelerators other than Cisco WAE, Riverbed Steelhead, and Juniper WX devices. You can capture and import traffic from another type of accelerator, if either of the following scenarios is true:

• You can generate four separate packet traces—one LAN-side and one WAN-side capture on each accelerator—where each interface carries LAN or WAN traffic only, not combined LAN/WAN traffic.

 To support this scenario, edit the WAN Accelerator Ports (Generic) preference to specify the WAN-side ports used by your accelerators.

• You can generate one combined LAN/WAN-side packet trace, and there are different ports or IP protocol IDs for LAN and WAN traffic.

 To support this scenario, edit the following preferences:

 — WAN Accelerator Ports (Generic)—Edit this to specify the WAN-side ports used by your accelerators.

 — WAN Accelerator IP Protocol IDs—Edit this to specify the IP protocol IDs that your accelerators use to exchange accelerated traffic.

Type	string list
Default Value	

WAN Accelerator Ports (Juniper)

Specifies the standard port used by Juniper WX devices to exchange WAN-accelerated traffic. AppTransaction Xpert uses this preference to auto-detect accelerated traffic sent and received by Juniper WX devices. You typically do not need to change this preference unless the Juniper accelerators in your production network have been modified.

Type	string list
Default Value	3577, 3578

WAN Accelerator Ports (Riverbed)

Specifies the standard port used by Riverbed Steelhead devices to exchange WAN-accelerated traffic. AppTransaction Xpert uses this preference to auto-detect accelerated traffic sent and received by Riverbed Steelhead devices. You typically do not need to change this preference unless the Riverbed accelerators in your production network have been modified.

Type	string list
Default Value	7800, 7744, 7801, 7810, 7820, 7850, 7860