DVS TESTING DOCUMENT

Team 1

Abstract

This DVS Testing Document will contain information about tests being performed by team members throughout each iteration. This document will help to keep track of tests and allows us to address concerns the client has.

Team Members:

Briana Sanchez (bsanchez12@miners.utep.edu)
Stephanie Medina (smedina7@miners.utep.edu)
Luisana Clarke (lclarke@miners.utep.edu)
Rocio Cardona (rcardona4@miners.utep.edu)
Bianca Alvarez (bsalvarez@miiners.utep.edu)
Dima Abdel Jaber (deabdeljaber@miners.utep.edu)

Introduction

The following section will provide detailed information pertaining to the testing of the system.

Purpose

The purpose of the test plan is to provide documentation regarding the testing of the system. A test plan shows the testing items and features, the testing approach, and it addresses any issues within the system that are to be fixed in accordance to their criticality. The purpose of this test plan is to document all testing strategies and details for the DVS system.

Scope

The project software version is the current pre-production version where all testing can be performed and issues can be addressed before the release of the final version into production.

System Overview

This test plan will focus on testing the entire DVS system and all its functionalities. The purpose of the Data Visualization System is to a tool that provides the user with an integrated view of the data generated by the Evaluator Centric and Extensible Logger daemon (ECELd) and the ability to tag and modify the data associated with a capture taken by ECELd.

The system consists of two primary components: the packet view shows ECELd-Wireshark and the timeline view shows the parsed ECELd-collected data using a horizontal layout. These two windows combined will allow for the user to have a better visualization of what is being analyzed. Many features are integrated in this system in order to bring better visualization and each feature will be specific to the type of data that is going to be displayed. In this system, each specific set of data will be considered a dataline. For example, a mouseclicks dataline will contain different information than what a keypresses dataline contains, which will result in specific features for each. Moreover, with different datasets, there must be a way to be able to distinguish between each of them, so each dataline will have an assignable color in order to make it easier to tell them apart. This color assignment shall be displayed in both the timeline view and the packet view. Finally, the most important feature of this system will be synchronization. The synchronization feature shall be enabled and disabled depending on the user's preference. The main purpose for this feature is to allow the user to use both timeline view and packet view at the same time and be able to see the data that is correlated to where the user is currently analyzing.

Suspension and Exit Criteria

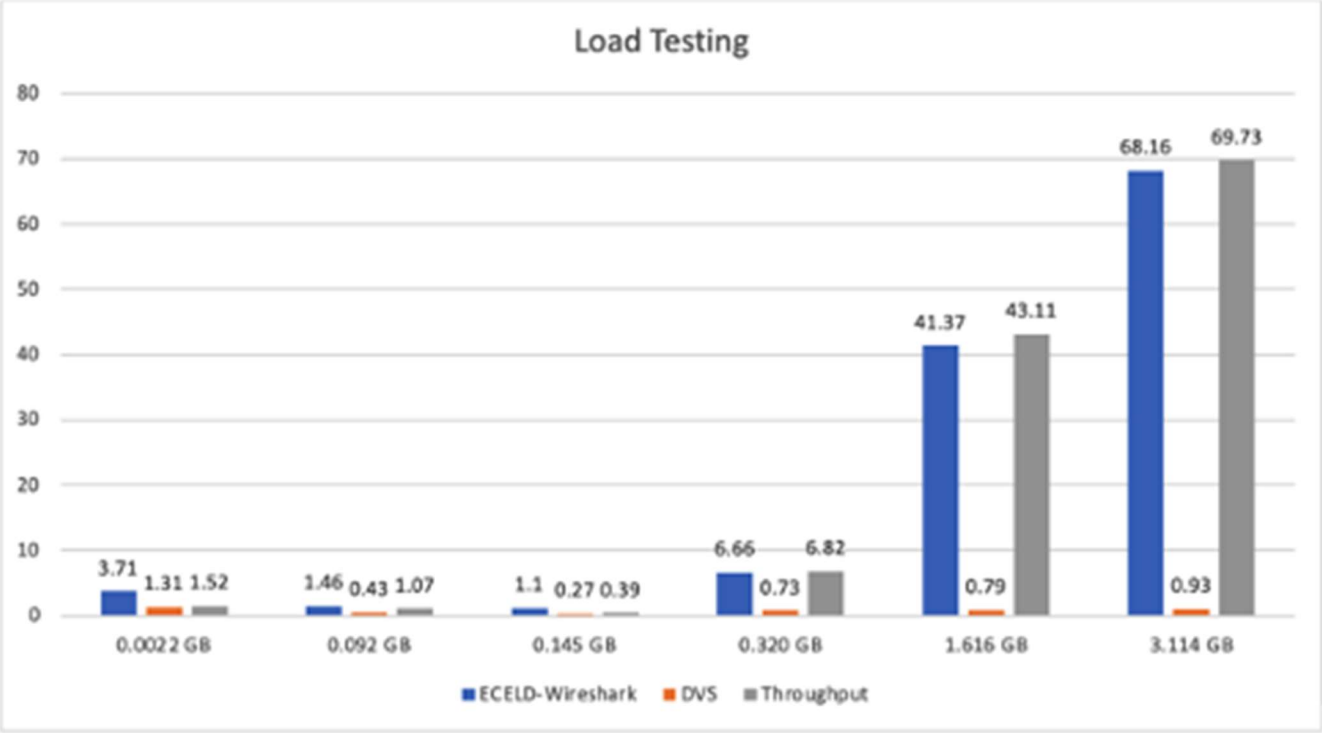
If any of the high criticality tests fails, the testing will be suspended until corrections are made to the source code. If the overall test pass rate is below 50%, testing will be suspended to find and fix any issues that are causing the low pass rate. for the testing phase to exit, all the tests with a criticality level of high must pass the testing. For the testing phase to exit, an overall success rate of 90% is required.

Load Testing Data

The following section shows the loading time for different file sizes.

Iteration # 3

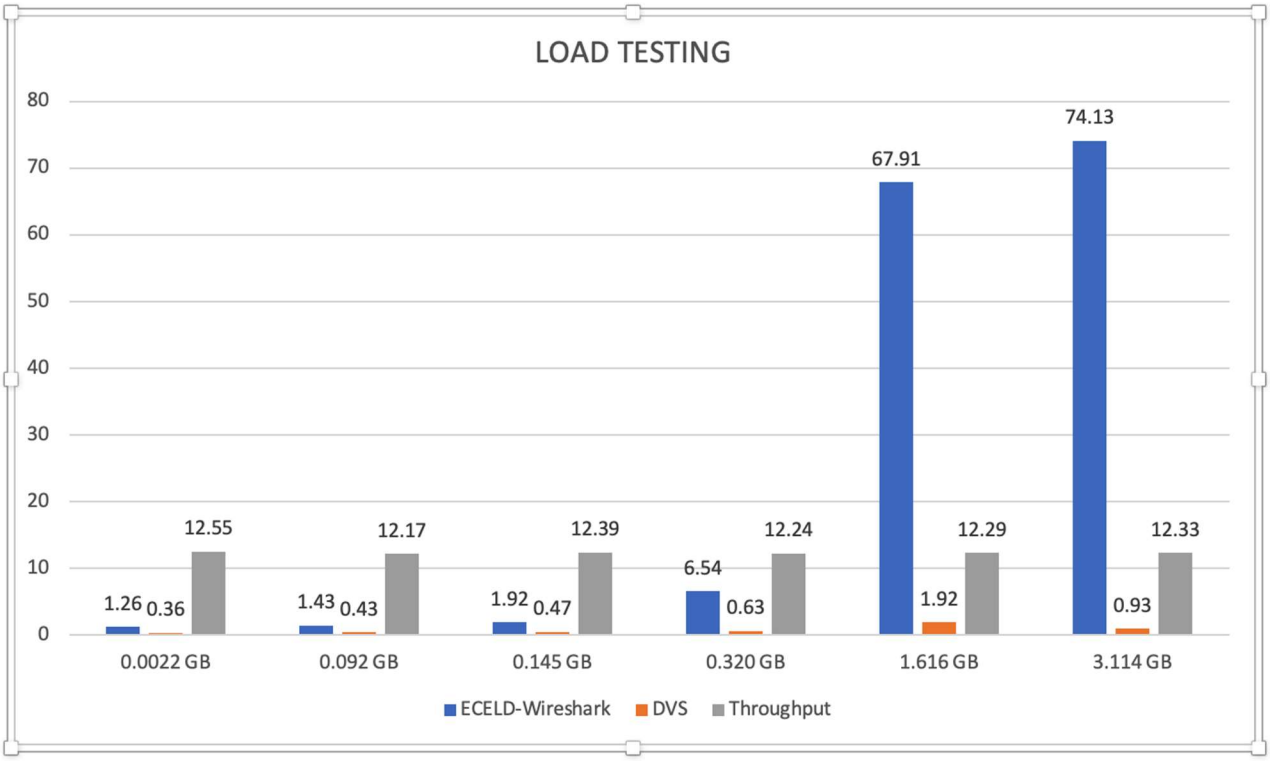
Size of File	ECELD-Wireshark response	DVS Response	Throughput response	Comments
0.0022 GB	3.71 sec	1.31 sec	1.52 sec	No issues
0.092 GB	1.46 sec	0.43 sec	1.07 sec	No issues
0.145 GB	1.10 sec	0.27 sec	0.39 sec	No issues
0.320 GB	6.66 sec	0.73 sec	6.82 sec	No issues
1.616 GB	41.37 sec	0.79 sec	43.11 sec	No issues
3.114 GB	68.16 sec	0.93 sec	69.73 sec	No issues



Iteration # 4

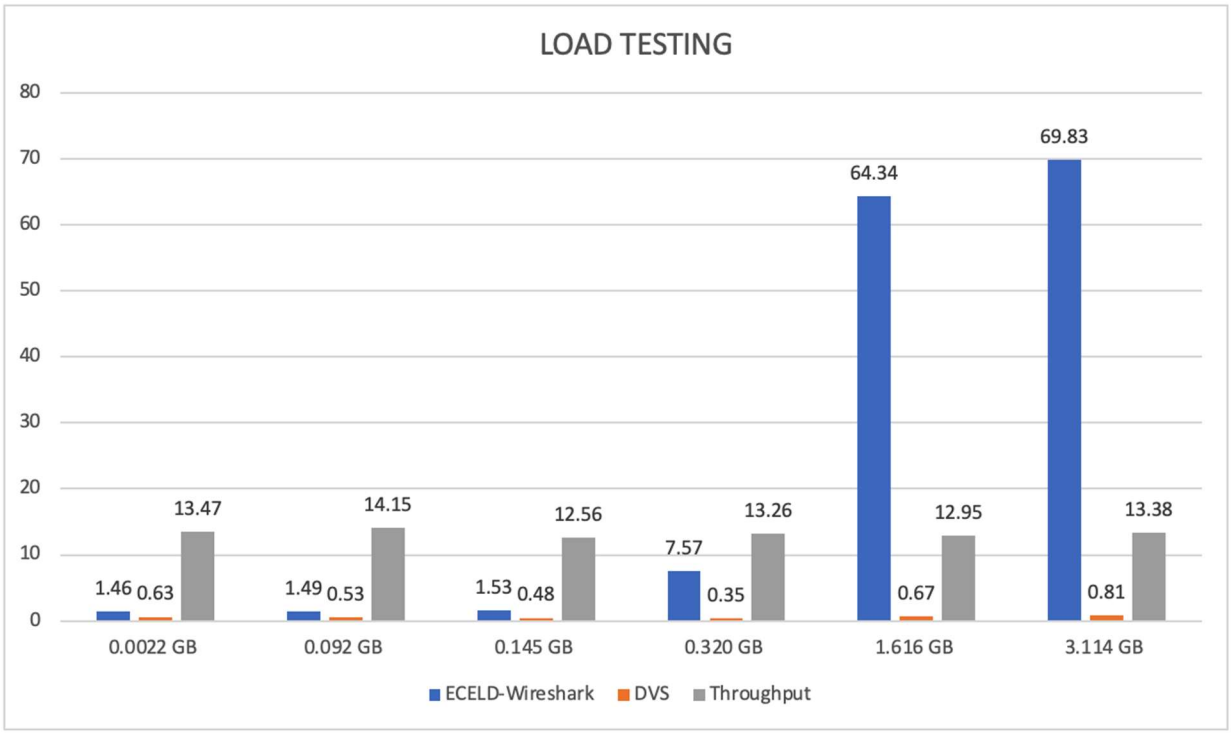
Size of File	ECELD-Wireshark response	DVS Response	Throughput response	Comments
0.0022 GB	1.26 sec	0.36 sec	12.55 sec	No issues
0.092 GB	1.43 sec	0.43 sec	12.17 sec	No issues
0.145 GB	1.92 sec	0.47 sec	12.39 sec	No issues
0.320 GB	6.54 sec	0.63 sec	12.24 sec	No issues

1.616 GB	67.91 sec	1.92 sec	12.29 sec	No issues
3.114 GB	74.13 sec	0.93 sec	12.33 sec	No issues



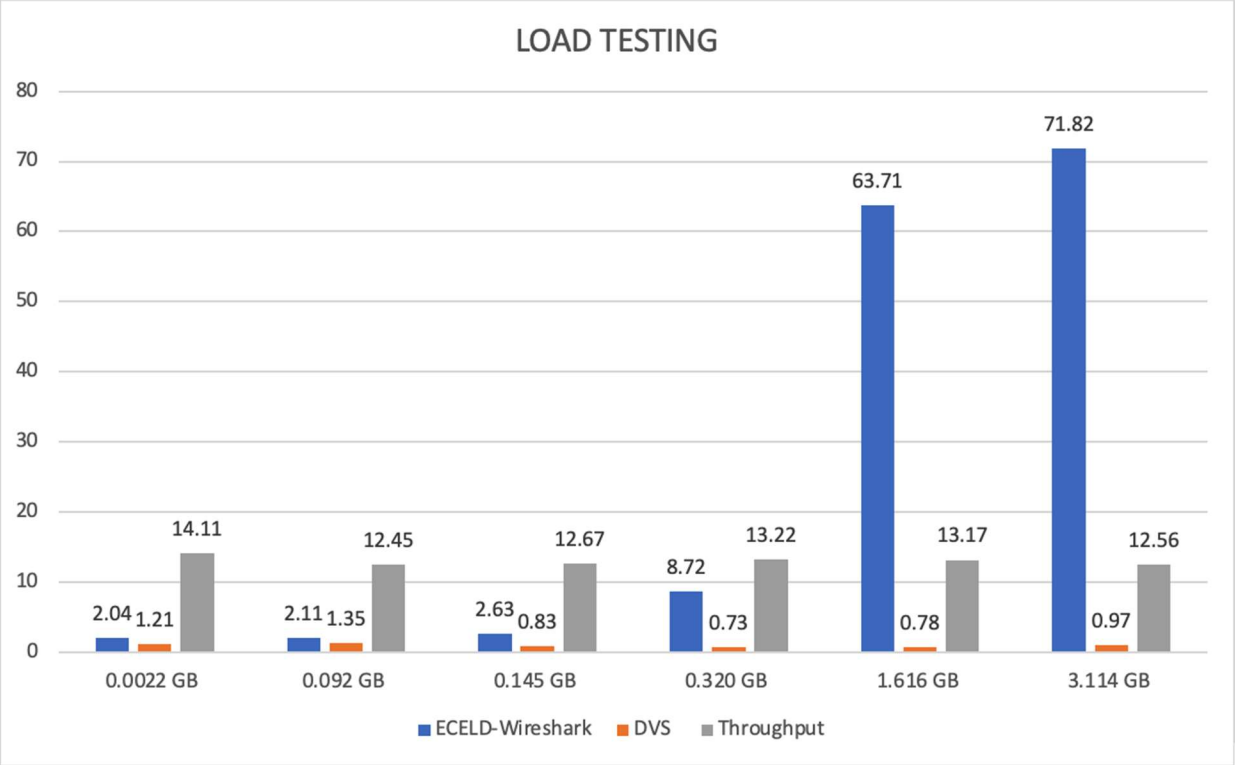
Iteration # 5

Size of File	ECELD-Wireshark response	DVS Response	Throughput response	Comments
0.0022 GB	1.46 sec	0.63 sec	13.47 sec	No issues
0.092 GB	1.49 sec	0.53 sec	14.15 sec	No issues
0.145 GB	1.53 sec	0.48 sec	12.56 sec	No issues
0.320 GB	7.57 sec	0.35 sec	13.26 sec	No issues
1.616 GB	64.34 sec	0.67 sec	12.95 sec	No issues
3.114 GB	69.83 sec	0.81 sec	13.38 sec	No issues



Iteration # 6

Size of File	ECELD-Wireshark response	DVS Response	Throughput response	Comments
0.0022 GB	2.04 sec	1.21 sec	14.11 sec	No issues
0.092 GB	2.11 sec	1.35 sec	12.45 sec	No issues
0.145 GB	2.63 sec	0.83 sec	12.67 sec	No issues
0.320 GB	8.72 sec	0.73 sec	13.22 sec	No issues
1.616 GB	63.71 sec	0.78 sec	13.17 sec	No issues
3.114 GB	71.82 sec	0.97 sec	12.56 sec	No issues



Test Cases

The following section gives a detailed description of all test cases.

TEST SUITE <DVS>		
Description of Test Suite	This test suite contains 27 test cases to test the DVS system as well as their criticality.	
Test Case Identifier	**Objective**	**Criticality**
TC1	Create New Project	High
TC2	Open Previous Project	High
TC3	Open Settings	Medium
TC4	Save Project	High
TC5	New Project/Import	Low
TC6	Open Previous	Low
TC7	Export	Low
TC8	Quit	Medium
TC9	Add Throughput Dataline	High

TC10	Add Keypresses Dataline	High
TC11	Add System Calls Dataline	High
TC12	Add Mouse Clicks Dataline	High
TC13	Add Timed Screenshots Dataline	High
TC14	Choose JSON Dataline	High
TC15	Tile Layout	Low
TC16	Timestamp Sync Button	High
TC17	Wireshark Sync Button	High
TC18	Throughput Sync	High
TC19	Color Assignment	Medium
TC20	Add Row	Medium
TC21	Delete Row	Medium
TC22	Edit Tag	Medium
TC23	Edit Text	Medium
TC24	Edit Timestamp	Medium
TC25	Save Button	Low
TC26	Sync Color	High
TC27	Add Packet Comments	High

Create New Project

Objective: Create a new project

Test No.: TC1			Current Status: Passed
Test title: Create new project			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	DVS Tool is executed.	Initial Condition	The user is given the option between creating a new project, opening a new project, or editing the settings.
2	Click the create new project option.	Start a new project	The user is asked to import a zip file or to select a folder and a name for the project.

3	User imports a zip file or selects a project name with the folder of the project they want to work with and clicks import or create.	Set up completed	The packet view and the timeline view are opened with the project data populated in the Wireshark and the datalines.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Open Previous Project

Objective: Open a previous project

Test No.: TC2			Current Status: Passed
Test title: Open a previous project			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	DVS Tool is executed.	Initial Condition	The user is given the option between creating a new project, opening a new project, or editing the settings.
2	Click the open a previous project option.	Start a previous project	The user is given a file directory to pick a project from.
3	User selects a project they want to work with and clicks choose.	Set up completed	The packet view and the timeline view are opened with the project data populated in the Wireshark and the datalines.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Open Settings

Objective: Open settings view

Test No.: TC3			Current Status: Passed
Test title: Open the settings view			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS

1	DVS Tool is executed.	Initial Condition	The user is given the option between creating a new project, opening a new project, or editing the settings.
2	Click on Settings.	Open the settings window	The user is given a new pop up with the settings view to change pick whether to sync or not to sync and an option to change the margin for 0 or 1.
3	The user turns on the sync and picks a margin of 1 and clicks ok.	Change settings	The settings window is closed.
4	The user opens or creates a project.	Start a project	The sync is turned on as soon as the project is started up and the margin is now set to 1.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Save Project

Objective: Save Project

Test No.: TC4			Current Status: Passed
Test title: Save Project			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under file > Save, click on Save.	Save is triggered.	Project is Saved and all the changed will be shown under the JSON files.
Testing Team: Team 1			Date Completed: Dec 1, 2020

New Project/Import

Objective: Open a new project or import a zip file

Test No.: TC5			Current Status: Passed
Test title: Open a new project or import a zip file			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			

STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under file > New Project/Import, click on New Project/Import	New Project/Import is triggered	The user is given the option to import a zip file or open a new project.
3	User selects a project	Open project	New timeline and packet view are shown of the new project selected
Testing Team: Team 1			Date Completed: Dec 1, 2020

Open Previous

Objective: Open a Previous Project

Test No.: TC6			Current Status: Failed
Test title: Open a Previous Project			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under file, click on Open Previous	Open Previous is triggered	The user is given a file directory to pick a previous project from.
3	User selects a project	Open project	New timeline and packet view are shown of the project selected
Testing Team: Team 1			Date Completed: Dec 1, 2020

Export

Objective: Export Project

Test No.: TC7	Current Status: Passed
Test title: Export Project	
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.	

STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under file, click on export	Export is triggered	The user is asked to pick an output path.
3	The user picks an output path and clicks export.	Export Project	The project is exported as a zip file and can be found in the path the user picked.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Quit

Objective: Quit Project

Test No.: TC8			Current Status: Passed
Test title: Quit Project			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under file, click on Quit	Quit is triggered	The user is asked If they are sure they want to exit.
3	The user clicks “Yes”	Quit Project	The user is asked if they want to Save the Project.
4	The user clicks “Yes”	Save Project	The project is saved and the views are closed.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Add Throughput Dataline

Objective: Add Throughput Dataline

Test No.: TC9			Current Status: Passed
Test title: Add Throughput Dataline			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS

1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under Add Dataline > Preset Dataline, click on Throughput	Open Throughput Dataline	The user is asked to pick a color for the dataline.
3	The user picks a color	Assign a color.	The throughput dataline is opened as a sub window with the color selected. The Checkbox in the add dataline menu is checked indicating that the dataline is opened.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Add Keypresses Dataline

Objective: Add Keypresses Dataline

Test No.: TC10			Current Status: Passed
Test title: Add Keypresses Dataline			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under Add Dataline > Preset Dataline, click on Keypresses	Open Keypresses Dataline	The user is asked to pick a color for the dataline.
3	The user picks a color	Assign a color.	The Keypresses dataline is opened as a sub window with the color selected. The Checkbox in the add dataline menu is checked indicating that the dataline is opened.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Add System Calls Dataline

Objective: Add System Calls Dataline

Test No.: TC11	Current Status: Passed
Test title: Add System Calls Dataline	

Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under Add Dataline > Preset Dataline, click on System Calls	Open System Calls Dataline	The user is asked to pick a color for the dataline.
3	The user picks a color	Assign a color.	The System Calls dataline is opened as a sub window with the color selected. The Checkbox in the add dataline menu is checked indicating that the dataline is opened.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Add Mouse Clicks Dataline

Objective: Add Mouse Clicks Dataline

Test No.: TC12			Current Status: Passed
Test title: Add Mouse Clicks Dataline			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under Add Dataline > Preset Dataline, click on Mouse Clicks	Open Mouse Clicks Dataline	The user is asked to pick a color for the dataline.
3	The user picks a color	Assign a color.	The Mouse Clicks dataline is opened as a sub window with the color selected. The Checkbox in the add dataline menu is checked indicating that the dataline is opened.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Add Timed Screenshots Dataline

Objective: Add Timed Screenshots Dataline

Test No.: TC13			Current Status: Passed
Test title: Add Timed Screenshots Dataline			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under Add Dataline > Preset Dataline, click on Timed Screenshots	Open Timed Screenshots Dataline	The user is asked to pick a color for the dataline.
3	The user picks a color	Assign a color.	The Timed Screenshots dataline is opened as a sub window with the color selected. The Checkbox in the add dataline menu is checked indicating that the dataline is opened.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Choose JSON Dataline

Objective: Choose JSON Dataline

Test No.: TC14			Current Status: Passed
Test title: Choose JSON Dataline			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Under Add Dataline, click on Choose JSON	Pick a JSON file.	The user is asked to pick a JSON file.
3	The user picks a JSON file	Assign a color.	The user is asked to pick a color for the dataline.
4	The user picks a color	Open JSON file	The JSON selected is opened as a sub window with the color selected.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Tile Layout

Objective: Tile sub windows (Datalines)

Test No.: TC15			Current Status: Passed
Test title: Tile sub windows (Datalines)			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and datalines are opened.	Initial Condition	Timeline and packet view are shown. Datalines are opened to tile
2	Under Adjust subwindows, click on Tile Layout	Tile Subwindows	Datalines/sub windows are tiled.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Timestamp Sync Button

Objective: Sync the Datalines together

Test No.: TC16			Current Status: Passed
Test title: Sync the Datalines together			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Click on the Timestamp Sync button to turn it on.	Turn Timestamp sync on	The datalines are synced.
3	Click on a row on any of the datalines with the same timestamp or within the margin of another one.	Test Sync.	All rows with the selected timestamp get highlighted.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Wireshark Sync Button

Objective: Sync the Datalines with Wireshark.

Test No.: TC17			Current Status: Passed
Test title: Sync the Datalines together			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and the Timestamp Sync is on.	Initial Condition	Timeline and packet view are shown. The Timestamp Sync is On.
2	Click on the Wireshark Sync button to turn it on.	Turn Wireshark sync on	The datalines are synced with Wireshark.
3	Click on a packet on Wireshark with the same timestamp or within the margin of another one.	Test Sync.	All rows with the selected timestamp get highlighted.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Throughput Sync

Objective: Sync the Throughput with the datalines.

Test No.: TC18			Current Status: Passed
Test title: Sync the throughput.			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and the Timestamp Sync is on. Throughput dataline is open.	Initial Condition	Timeline and packet view are shown. The Timestamp Sync is On.
2	Click on the through Sync found in the throughput dataline to turn it on.	Turn throughput sync on	The datalines are synced with Throughput

3	Click on a row on a dataline.	Test Sync.	The throughput will move to the same timestamp
Testing Team: Team 1			Date Completed: Dec 1, 2020

Color Assignment

Objective: Assign color to datalines

Test No.: TC19			Current Status: Passed
Test title: Assign color to the datalines			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Open any dataline	Open a dataline	The user will be prompted to pick a color for the dataline.
3	Pick a color	Assign color	The dataline will appear with the color selected.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Add Row

Objective: Add row to a dataline

Test No.: TC20			Current Status: Passed
Test title: Add Row			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and a dataline is opened.	Initial Condition	Timeline and packet view are shown. A dataline is shown.
2	Right click anywhere you would like a row added in a dataline.	Show right click menu	The user will see a right click menu.
3	Click on Add row	Add row	The user will be asked to pick a timestamp for the row

4	User picks a timestamp	Timestamp selected	The row is added with the timestamp picked.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Delete Row

Objective: Delete Row

Test No.: TC21			Current Status: Passed
Test title: Delete Row			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and a dataline is opened.	Initial Condition	Timeline and packet view are shown. A dataline is shown.
2	Right click on any row you would like deleted	Show right click menu	The user will see a right click menu.
3	Click on Delete Row	Delete Row	The row is deleted.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Edit Tag

Objective: Edit Tag

Test No.: TC22			Current Status: Passed
Test title: Edit Tag			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and a dataline is opened.	Initial Condition	Timeline and packet view are shown. A dataline is shown.
2	Right click on any row you would like to edit	Show right click menu	The user will see a right click menu.
3	Click on Edit Tag	Edit Tag	The user will be asked to Type in something they would like to put as a tag.

4	The user adds text in the tag box and clicks ok	Tag added	The tag is added to the dataline.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Edit Text

Objective: Edit Text

Test No.: TC23			Current Status: Passed
Test title: Edit Text			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and a dataline is opened.	Initial Condition	Timeline and packet view are shown. A dataline is shown.
2	Double click on any cell you would like to edit.	Show edit text dialog	The user will see an edit text dialog
3	User will edit the text and click ok	Edit text	The text in the cell is edited to what the user changed it to.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Edit Timestamp

Objective: Edit Timestamp

Test No.: TC24			Current Status: Passed
Test title: Edit Timestamp			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and a dataline is opened.	Initial Condition	Timeline and packet view are shown. A dataline is shown.
2	Double click on any timestamp cell you would like to edit.	Show timestamp dialog	The user will see a calendar to change the timestamp.

3	User will edit the timestamp and click ok	Edit timestamp	The timstamp is changed to what the user changed it to.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Save Button

Objective: Save Button

Test No.: TC25			Current Status: Passed
Test title: Save Project			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened.	Initial Condition	Timeline and packet view are shown.
2	Using the Save, click on Save.	Save is triggered.	Project is Saved and all the changed will be shown under the JSON files.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Sync color

Objective: Sync color

Test No.: TC26			Current Status: Passed
Test title: Sync color			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and datalines are opened with colors selected. Both timestamp and wireshark are synced.	Initial Condition	Timeline and packet view are shown. Datalines are opened with colors selected. Both views are synced.
2	On the packet view, click on “Draw packet using DVS coloring rules” button.	Remove old color rules	The old color rules are removed

3	On the packet view, click on “Draw packet using DVS coloring rules” button and refresh	Sync new color rules.	The packets are now colored with the new color rules.
Testing Team: Team 1			Date Completed: Dec 1, 2020

Add Packet comments

Objective: Add Packet comments

Test No.: TC27			Current Status: Passed
Test title: Add Packet comments			
Testing approach: To run this test, you need access to the DVS repository. You also need python 3 installed to be able to run it as well as the installer previously ran. All instructions on the DVS document should be followed first to run this test.			
STEP	OPERATOR ACTION	PURPOSE	EXPECTED RESULTS
1	Project is opened and and both timestamp and wireshark are synced.	Initial Condition	Timeline and packet view are shown. Both views are synced.
2	On the timeline view, go to Add Dataline, and click on Choose JSON. Add the pcommands JSON file found under your current project.	Open JSON file	The JSON file is opened as a dataline.
3	On the packet view, go to Edit and click on Packet Comment. Add a Comment and press OK. Refresh comments dataline in the Timeline view.	Add comment	The packet comment appears in the dataline.
Testing Team: Team 1			Date Completed: Dec 1, 2020