Web History Extraction Artefact Tool

Unit Testing Report

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1.0 Purpose of Document

This document explains the various activities performed as part of the Web History Extraction Artefact Tool unit testing. Both the acquisition and viewing applications are included in this document.

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2.0 Application Overview

The Web History Extraction Artefact Tool is a GNU-Linux bootable USB that functions as a tool for initial digital forensic investigations by extracting web history from a target computer. The data is parsed and displayed in the form of PHP files. The acquisition modules consist of hashing the drive, creating a new case, adding evidence to an existing case and deleting collected evidence. The outputted data consists of drive information, system information, web history, Google Analytics cookies, and rebuilt cache data.

3.0 Testing Scope

3.1 In Scope

Functional unit testing for the following acquisition modules are in the scope of testing:

- New Case
 - New Case
 - Existing Case
 - Manually Select Suspect Partitions
 - Automatically Select Suspect Partitions
- Hash Drives
- Delete collected evidence
- View Licenses
- Shutdown the machine

Functional unit testing for the following viewing modules are in the scope of testing:

- No evidence drive mounted
- View cases
- View drives
- View partitions
- View users
- View system information
- View web history
- View rebuilt cache
- View downloads
- View Google Analytics cookies
- View bookmarks
- View user credentials

3.2 Out of Scope

Apple Mac Operating System testing was not done for this tool. The tool is not designed for Apple Mac OS machines, however unexpected results may be encountered if the tool is used on them.

3.3 Items Not Tested

Microsoft Windows XP machines were not tested due to the unavailability of a legitimate license.

4.0 Test Environment

The test environment consisted of Dell laptop with an i7 Haswell processor and 8GB of RAM. No hardware write blockers were used.

5.0 Metrics

5.1 Total

Planned Test Cases	Executed Test Cases	Passed Test Cases	Failed Test Cases
52	52	41	11

Status	Critical	Major	Minor	Cosmetic	Total
Closed	1	1	2	1	5
Open	0	1	2	3	6

5.2 Acquisition

Planned Test Cases	Executed Test Cases	Passed Test Cases	Failed Test Cases	
25	25	19	6	

Status	Critical	Major	Minor	Cosmetic	Total
Closed	1	0	0	0	1
Open	0	1	2	2	5

5.3 Viewing

Planned Test Cases	Executed Test Cases	Passed Test Cases	Failed Test Cases
27	27	22	5

Status	Critical	Major	Minor	Cosmetic	Total
Closed	0	1	2	1	4
Open	0	0	0	1	1

6.0 Acquisition Unit Tests

Unit Test A001: Booting the Tool (UEFI)

Date:		08/10/2015			
Suspect Drive(s):		N/A			
Suspect Operating Syste	m(s):	N/A			
Suspect Browser(s):		N/A			
Test Description:		Ensure the tool boots successfully on a UEFI machine			
Menu Item:		N/A			
Variables Used:		N/A			
Expecte	Expected Result Actual Resu				
The tool boots successfu	lly with	vith no visual errors. The tool boots successfully with no visual errors.			
Initial Unit Test Result:		PASS			
Change		Expected Resu	ult	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:		N/A			
1					

Unit Test A002: Booting the Tool (BIOS)

Date:		08/10/2015		
Suspect Drive(s):		N/A		
Suspect Operating System	N/A			
Suspect Browser(s):		N/A		
Test Description:		Ensure the tool boots successfully on a BIOS machine		
Menu Item:		N/A		
Variables Used:		N/A		
Expected	d Resu	lt		Actual Result
The tool boots successful Initial Unit Test Result:	ar rc ar be		an error reg root partition and require	ots the kernel, and then encounters garding the fact that it cannot find the on. The tool then drops into a shell es the user to 'exit' from the shell root partition will successfully mount.
Change		Expected Resu	ılt	Actual Result
Changed the initrd file so the instead of dropping to a shell the tool loops (a total of 5 times) until the root is found.	root p	ool informs the use partition could not l is retrying. The sec ssfully mounts.	be found	The tool informs the user that the root partition could not be found and it is retrying. The second pass successfully mounts.
Final Unit Test Result:		PASS		

Unit Test A003: Tool Windows are Locked Down

Date:	08/10/2015				
Suspect Drive(s):	N/A				
Suspect Operating Syste	m(s): N/A				
Suspect Browser(s):	N/A	N/A			
Test Description:	opened by the u	The tool windows should not be able to be moved, resized, closed or opened by the user. This test involves right clicking the window, clicking and dragging the window and using shortcuts such as 'ALT-F4' to attempt to close the windows.			
Menu Item:	N/A	N/A			
Variables Used:	N/A	N/A			
Expecte	d Result		Actual Result		
No windows are changed	l in any way.	No windows are changed in any way.			
Initial Unit Test Result:	PASS				
Change	Expected Re	sult	Actual Result		
N/A	N/A		N/A		
Final Unit Test Result:	N/A				

Unit Test A004 : Shutdown the Machine

Date:		08/10/2015			
Suspect Drive(s):		N/A			
Suspect Operating Syster	m(s):	N/A			
Suspect Browser(s):		N/A			
Test Description:		Shut down the machine using the main menu item. Allow the			
		counter to reach a	zero.		
Menu Item:		Shutdown			
Variables Used:		N/A			
Expected	d Result Actual Result				
The tool gives a 5 second	counte	er and then shuts	r and then shuts The tool gives a 5 second counter and then shuts		
down successfully.			down successfully.		
Initial Unit Test Result:		PASS			
	-				
Change		Expected Resu	ılt	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:	N/A				

Unit Test A005: Cancel a Shutdown of the Machine

Date:		08/10/2015				
Suspect Drive(s):		N/A	N/A			
Suspect Operating Syste	m(s):	N/A				
Suspect Browser(s):		N/A				
Test Description:		Shut down the ma	achine using t	the main menu item. Cancel this		
		shutdown before	the counter r	reaches zero.		
Menu Item:		Shutdown				
Variables Used:		N/A				
Expecte	Expected Result			Actual Result		
The shutdown is cancelle	ed and	the user is	The shutdown is cancelled and the user is			
returned to the main me	nu.		returned to the main menu.			
		_				
Initial Unit Test Result:		PASS				
Change		Expected Resi	ult	Actual Result		
N/A	N/A			N/A		
Final Unit Test Result:		N/A				
		<u> </u>				

Unit Test A006: View Licenses

Date:		08/10/2015			
Suspect Drive(s):		N/A			
	()				
Suspect Operating Syste	em(s):	N/A			
Suspect Browser(s):		N/A			
Test Description:		View licenses for t	he machine.	All licenses should be scrollable, the	
		full license should	be visible ar	nd correct.	
Menu Item:		Licenses			
Variables Used:		N/A			
Expecte	ed Resul	esult Actual Result			
workspace menu should	Il licenses that exceed the size of the acquisition vorkspace menu should be scrollable. The censes should be correct and readable.		All licenses that exceed the size of the acquisition workspace menu are scrollable. The licenses are correct and readable.		
Initial Unit Test Result:		PASS			
Change		Expected Resu	ılt	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:		N/A			

Unit Test A007: New Case (No Evidence Drive Mounted - Cancel)

Date:	08/10/2015
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Suspect Drive(s):	N/A	N/A			
Suspect Operating Syste	m(s): N/A	N/A			
Suspect Browser(s):	N/A				
Test Description:		Start a new case with no evidence drives mounted. Cancel this request when the tool informs the user of this.			
Menu Item:	New Case				
Variables Used:	N/A	N/A			
Expecte	d Result		Actual Result		
The tool should inform the drives are currently mou cancel the user should be main menu.	nted. After selecting	evidence d	ccessfully informed the user that no rives are currently mounted. After ancel the user was presented with the u.		
Initial Unit Test Result:	PASS				
Change	Expected Res	sult	Actual Result		
N/A	N/A		N/A		
Final Unit Test Result:	N/A				

Unit Test A008 : Change Evidence Drive (No Disks)

Date:	08/10/2015	08/10/2015			
Suspect Drive(s):	N/A	N/A			
Suspect Operating Syste	m(s): N/A				
Suspect Browser(s):	N/A				
Test Description:	Change the evide	nce drive witl	h no potential evidence drives		
	inserted. After be rescan.	eing informed	, insert an evidence drive and click		
Menu Item:	Change evidence	Change evidence drive			
Variables Used:	N/A				
Expecte	d Result	esult Actual Result			
The tool informs the user that there are no current evidence drives present and gives a 'Rescan' option. After inserting the evidence drive and selecting rescan, the user should be presented with the 'select drives' menu.		The tool loops looking for a drive. Visually unpleasing, however when a drive is inserted the looping stops and the user is presented with the 'select drives' menu.			
Initial Unit Test Result:	FAIL - COSMETIC				
Change	Expected Res	Expected Result Actual Result			
N/A	N/A		N/A		
Final Unit Test Result:	FAIL - COSMETIC				
	•				

Unit Test A009: Change Evidence Drive (Rescan Disks)

Date:		08/10/2015	08/10/2015			
Suspect Drive(s):		N/A	N/A			
Suspect Operating Sy	/stem(s):	N/A				
Suspect Browser(s):		N/A				
Test Description:		Insert one potential evidence drive. After the menu is displayed insert another and rescan.				
Menu Item:		Change evidence drive				
Variables Used:		N/A				
Ехре	Expected Result		Actual Result			
The new evidence drive is now displayed alongside the initial one.			The new evidence drive is now displayed alongside the initial one.			
Initial Unit Test Resu	lt:	PASS				
Change		Expected R	esult		Actual Result	
N/A	N/A			N/A		
Final Unit Test Result	<u> </u>	N/A				

Unit Test A010 : Change Evidence Drive (Mount Disk)

Date:		08/10/2015	08/10/2015			
Suspect Drive(s):		N/A	N/A			
Suspect Operating Syste	em(s):	N/A				
Suspect Browser(s):		N/A				
Test Description:		Mount an evider	nce drive.			
Menu Item:		Change evidence	e drive			
Variables Used:		N/A				
Expecte	ed Resu	ult Actual Result				
development TTY, the m	The drive is successfully mounted. Using the development TTY, the mount command shows that it is mounted to '/mnt/evidenceDrive'.		The drive is successfully mounted. Using the development TTY, the mount command shows that it is mounted to '/mnt/evidenceDrive'.			
Initial Unit Test Result:		PASS				
Change		Expected Res	sult	Actual Result		
N/A	N/A			N/A		
Final Unit Test Result:		N/A				

Unit Test A011: New Case (Evidence Drive Mounted)

Date:	08/10/2015
Suspect Drive(s):	N/A

Suspect Operating Syste	m(s):	N/A				
Suspect Browser(s):		N/A	N/A			
Test Description:		Start a new case v	with an evide	nce drive mounted.		
Menu Item:		New Case				
Variables Used:		N/A				
Expecte	d Resu	lt		Actual Result		
The user is presented wit	th the o	e case details form. The user is presented with the case details form				
Initial Unit Test Result:		PASS				
Change		Expected Resu	ult	Actual Result		
N/A	N/A			N/A		
Final Unit Test Result:		N/A				
		-				

Unit Test A012 : New Case (Missing variables)

Corona at Duirea (a).		08/10/2015			
Suspect Drive(s):	N/A	N/A			
Suspect Operating System	n(s): N/A				
Suspect Browser(s):	N/A				
Test Description:	Start a new case.	Only fill in 2 c	out of three variables.		
Menu Item:	New Case				
Variables Used:	Examiner ID: test	examiner			
	Suspect ID:	Suspect ID:			
	Case ID: test-case	Case ID: test-case-A012			
Expected	Result	esult Actual Result			
The user is informed that	all fields must be filled	ds must be filled An error (system not tool based) is displayed and			
in and is then redirected t	o the form again.	the user is r	redirected to the main menu.		
Initial Unit Test Result:	FAIL - MAJOR	FAIL - MAJOR			
Change	Expected Resu	ult	Actual Result		
N/A	N/A		N/A		
•					
Final Unit Test Result:	N/A				

Unit Test A013 : New Case (Incorrect Variables)

Date:	08/10/2015
Suspect Drive(s):	N/A
Suspect Operating System(s):	N/A
Suspect Browser(s):	N/A
Test Description:	Start a new case. Enter all three variables. When asked to confirm
	they are correct, select no.

Menu Item:		New Case				
Variables Used:		Examiner ID:				
		Suspect ID: to	est suspect			
		Case ID: test-case-A013				
Exp	ected Resu	ılt		Actual Result		
The user is redirecte	ed to the fo	rm.	The user	is redirected to the form.		
Initial Unit Test Res	ult·	PASS				
initial Ollit rest Nes	<u>ин.</u>	1 700				
Change		Expected	Result	Actual Result		
N/A	N/A			N/A		
Final Unit Test Resu	ılt:	N/A				
		<u> </u>				

Unit Test A014: New Case (Correct Variables)

Data	09/10/2015					
Date:	08/10/2015					
Suspect Drive(s):	N/A	N/A				
Suspect Operating Syste	em(s): N/A	N/A				
Suspect Browser(s):	N/A	N/A				
Test Description:	Start a new case.	Start a new case. Enter all three variables. When asked to confirm				
	they are correct,	they are correct, select yes.				
Menu Item:	New Case	New Case				
Variables Used:	Examiner ID: tes	Examiner ID: test examiner				
	Suspect ID: test s	suspect				
	Case ID: test-case	•				
Expecte	ed Result		Actual Result			
The log displays a messa	ge that the examiner	The log displays a message that the examiner				
started the case.	-	started the case.				
		•				
Initial Unit Test Result:	PASS					
	•					
Change	Expected Res	ult	Actual Result			
N/A	N/A		N/A			
	•		•			
Final Unit Test Result:	N/A					
	, ,					

Unit Test A015: Automatically Select Drives (No Potential Drives)

Date:	08/10/2015
Suspect Drive(s):	Partition Table: GPT
	Partitions: 1
	Partition Type: Encrypted
Suspect Operating System(s):	N/A
Suspect Browser(s):	N/A
Test Description:	Attempt to have the tool automatically select the suspect drives

		when there are no viable drives connected.			
Menu Item:		New Case			
Variables Used:		N/A			
Expect	ed Resu	sult Actual Result			
The tool informs the us mounted and returns to			The tool informs the user that no drives could be mounted and returns to the main menu.		
Initial Unit Test Result:		PASS			
Change		Expected Resu	ult	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:		N/A			

Unit Test A016: Automatically Select (Potential Drives)

Date:		08/10/2015				
Suspect Drive(s):		Partition Table: MSDOS				
		Partitions: 6 (including extended)				
		Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4				
Suspect Operating Syste	m(s):	N/A				
Suspect Browser(s):		N/A				
Test Description:		Attempt to have the tool automatically select the suspect drives when there are potential drives present.				
Menu Item:		New Case				
Variables Used:		N/A				
Expecte	d Resu	lt		Actual Result		
The tool should successful partition. The extended partition	•			ccessfully mounts each partition. The artition is skipped (NOT ignored).		
Initial Unit Test Result:		FAIL - COSMETIC				
Change		Expected Resu	lt	Actual Result		
N/A	N/A			N/A		
Final Unit Test Result:		FAIL - COSMETIC				

Unit Test A017: Manually Select Partitions (No Potential Drives)

	,
Date:	08/10/2015
Suspect Drive(s):	Partition Table: GPT
	Partitions: 1
	Partition Type: Encrypted
Suspect Operating System(s):	N/A
Suspect Browser(s):	N/A

Test Description:		Have the tool display potential drives to mount while there are no viable potential suspect drives present.			
Menu Item:	New Case	New Case			
Variables Used:	N/A				
Expecte	d Result		Actual Result		
The tool informs the use current suspect drives pr 'Rescan' option. After ins drive and selecting resca presented with the 'selection'	resent and gives a serting the evidence n, the user should be	current sus 'Rescan' op drive and s	forms the user that there are no spect drives present and gives a pation. After inserting the evidence electing rescan, the user should be with the 'select drives' menu.		
Initial Unit Test Result:	PASS				
Change	Expected Re	sult	Actual Result		
N/A	N/A		N/A		
Final Unit Test Result:	N/A				

Unit Test A018 : Manually Select Partitions (Two Potential Drives - Select One)

Date:		08/10/2015			
Suspect Drive(s):		Partition Table: GPT			
		Partitions: 1			
		Partition Type: Encrypted			
		Partition Table: N	/ISDOS		
		Partitions: 6 (incl	uding extend	ed)	
		Partition Types: F	AT32; NTFS; I	NTFS; Extended; EXT3; EXT4	
Suspect Operating Syste	m(s):	N/A			
Suspect Browser(s):		N/A			
Test Description:		Only select one d	lrive.		
Menu Item:		New Case			
Variables Used:		N/A			
Expecte	d Resu	lt		Actual Result	
The tool should display the	he part	itions for this	The tool on	ly displays the partitions for this drive	
drive only and not the ot	her dri	ve. only and not the other drive.		ot the other drive.	
Initial Unit Test Result:		PASS			
Change		Expected Res	ult	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:		N/A			

Unit Test A019 : Manually Select Partitions (Two Potential Drives - Select Both)

Date:	09	9/10/2015			
Suspect Drive(s):	Pa	Partition Table: MSDOS			
		Partitions: 6 (including extended)			
	Pa	artition Types: F	AT32; NTFS; N	NTFS; Extended; EXT3; EXT4	
	Pa	artition Table: G	PT		
	Pa	artitions: 2			
	Pa	artition Types: E	XT4; NTFS		
Suspect Operating Syste	m(s): N/	/A			
Suspect Browser(s):	N/	N/A			
Test Description:	Se	elect both drives			
Menu Item:	Ne	ew Case			
Variables Used:	N/	/A			
Expecte	d Result			Actual Result	
The tool should display p	artitions fo	or each	Partitions fo	or each selected drive are displayed.	
selected drive.					
Initial Unit Test Result:	P.A	ASS			
Change		Expected Resu	ılt	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:	N,	/A			
	-				

Unit Test A020: Parse Microsoft Windows 7

Date:	09/10/2015			
Suspect Drive(s):	Partition Table: MSDOS			
	Partitions: 6 (including extended)			
	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4			
	Selected Partition: 2 - NTFS			
Suspect Operating System(s):	Windows 7			
Suspect Browser(s):	Internet Explorer	and Firefox		
Test Description:	Full parse of Wind	lows 7 partition.		
	Two Users: One	has IE history; Both have FF History.		
	Cache for both u	sers.		
Menu Item:	New Case			
Variables Used:	N/A			
Expected Resu	lt	Actual Result		
Operating system parsed with r	io errors.	Operating system parsed with no errors.		
All relevant users found and irre	elevant (i.e.	All relevant users found and irrelevant (i.e.		
system) users ignored.		system) users ignored.		
Operating system(s) and brows	er(s) correctly	Operating system(s) and browser(s) correctly		
identified.		identified.		
Cache records successfully iden	tified.	Cache records successfully identified.		

Cache rebuilt.		C	Cache rebuilt – however some records are NOT rebuilt correctly.		
		re			
Cache2 records successfully identified.		ntified.	Cache2 records successfully identified.		
Cache2 rebuilt.	Cache2 rebuilt.		Cache2 rebuilt.		
		·			
Initial Unit Test	Result:	FAIL - MINOR			
		Expected Result		Actual Result	
Change		Expected Result		Actual Result	
Change N/A	N/A	Expected Result	N/A	Actual Result	
	N/A	Expected Result	N/A	Actual Result	
		N/A	N/A	Actual Result	

Unit Test A021: Parse Microsoft Windows 8

Date:	09/10/2015					
Suspect Drive(s):	Partition Table:	Partition Table: MSDOS				
	Partitions: 6 (inc	Partitions: 6 (including extended)				
	Partition Types:	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4				
	Selected Partition	Selected Partition: 2 - NTFS				
Suspect Operating Syste	m(s): Windows 8					
Suspect Browser(s):	Internet Explore	Internet Explorer and Firefox				
Test Description:	Full parse of Wi	ndows 7 partit	ion.			
	One Users: Has	s IE history hav	e FF History.			
	Cache2.					
Menu Item:	New Case					
Variables Used:	N/A					
Expecte	d Result		Actual Result			
Operating system parsed	with no errors.	Operating system parsed with no errors.				
All relevant users found a	and irrelevant (i.e.	All relevant	All relevant users found and irrelevant (i.e.			
system) users ignored.		system) use	ers ignored.			
Operating system(s) and	browser(s) correctly		system(s) and browser(s) correctly			
identified.	1 . 1	identified.	C II + 1 + 100			
Cache records successful	ly identified.		rds successfully identified.			
Cache rebuilt.	11 1 100	Cache rebu				
Cache2 records successfu	illy identified.	Cache2 records successfully identified.				
Cache2 rebuilt.		Cache2 reb	ouilt.			
Initial Unit Test Result:	PASS					
Change	Expected Re	sult	Actual Result			
N/A	N/A		N/A			
Final Unit Test Result:	N/A					
1						

Unit Test A022: Parse Debian Linux

Suspect Operating System(s): Karsest Browser(s): Ico Test Description: Fu Menu Item: No Variables Used: Ny Expected Result Operating system parsed with no expected result	elected Partitionali Linux 1.1.0 [Deweasel (Fireforull parse of Debi Two Users: Both Cache2. ew Case /A	uding extende AT32; NTFS; N :: 2 - NTFS rebian based] (based) an based linu: have FF (Icew	x. veasel) history Actual Result	
Suspect Operating System(s): Kan Suspect Browser(s): Icon Suspect Brows	artition Types: Felected Partition ali Linux 1.1.0 [Deweasel (Firefoxull parse of Debi Two Users: Both Cache2. ew Case /A	AT32; NTFS; N :: 2 - NTFS rebian based] (based) an based linu: have FF (Icew	x. veasel) history Actual Result	
Suspect Operating System(s): Karana Suspect Browser(s): Iconomics of the Suspect Brow	elected Partitionali Linux 1.1.0 [Deweasel (Fireforull parse of Debi Two Users: Both Cache2. ew Case /A	ebian based] based) based linus	x. veasel) history Actual Result	
Suspect Operating System(s): Karses Suspect Browser(s): Ico Test Description: Function	ali Linux 1.1.0 [Deweasel (Fireforull parse of Debi Two Users: Both Cache2. ew Case /A	ebian based] k based) an based linux have FF (Icew Operating s	veasel) history Actual Result	
Suspect Browser(s): Test Description: Menu Item: Variables Used: Operating system parsed with no expected Result Operating system parsed with no expected Result Operating system(s) and browser(stidentified). Cache records successfully identified	eweasel (Fireformal) I parse of Debi I wo Users: Both Cache2. ew Case /A errors.	c based) an based linu: have FF (Icew	veasel) history Actual Result	
Test Description: Menu Item: Variables Used: Expected Result Operating system parsed with no e All relevant users found and irrelev system) users ignored. Operating system(s) and browser(sidentified. Cache records successfully identified	ull parse of Debi Two Users: Both Cache2. ew Case /A	an based linu: have FF (Icew	veasel) history Actual Result	
Menu Item: Variables Used: Expected Result Operating system parsed with no expected Result All relevant users found and irrelevant users ignored. Operating system(s) and browser(stidentified. Cache records successfully identified.	Two Users: Both Cache2. ew Case /A errors.	have FF (Icew	veasel) history Actual Result	
Menu Item: Variables Used: Expected Result Operating system parsed with no e All relevant users found and irrelev system) users ignored. Operating system(s) and browser(s identified. Cache records successfully identified	Cache2. ew Case /A errors.	Operating s	Actual Result	
Menu Item: Variables Used: Expected Result Operating system parsed with no e All relevant users found and irrelev system) users ignored. Operating system(s) and browser(sidentified. Cache records successfully identified	ew Case /A errors.			
Variables Used: Expected Result Operating system parsed with no expected Result All relevant users found and irrelevely system) users ignored. Operating system(s) and browser(stidentified. Cache records successfully identified.	/A errors.			
Expected Result Operating system parsed with no e All relevant users found and irrelev system) users ignored. Operating system(s) and browser(s identified. Cache records successfully identified	errors.			
Operating system parsed with no end and irrelevely system) users ignored. Operating system(s) and browser(sidentified. Cache records successfully identified.				
All relevant users found and irrelev system) users ignored. Operating system(s) and browser(sidentified. Cache records successfully identified			vstem parsed with no errors.	
system) users ignored. Operating system(s) and browser(s identified. Cache records successfully identified	/ant (i.e.	• 11	Operating system parsed with no errors.	
Operating system(s) and browser(s identified. Cache records successfully identified	All relevant users found and irrelevant (i.e.		users found and irrelevant (i.e.	
identified. Cache records successfully identified		system) use	rs ignored.	
Cache records successfully identifie	s) correctly	Operating s	ystem(s) and browser(s) correctly	
•		identified.		
Cache rebuilt.	ed.	Cache recor	ds successfully identified.	
		Cache rebui	llt.	
Cache2 records successfully identif	fied.	Cache2 records successfully identified.		
Cache2 rebuilt.		Cache2 rebuilt.		
Initial Unit Test Result: PA	ASS			
Change	Eveneted Res	.le	Actual Result	
Change N/A	Expected Resi	ait.		
N/A N/A			N/A	
Final Unit Test Result: N				
riliai Ollit Test Nesult.	/Λ			

Unit Test A023: Parse Ubuntu Linux

Date:	09/10/2015		
Suspect Drive(s):	Partition Table: MSDOS		
	Partitions: 6 (inclu	ding extended)	
	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4		
	Selected Partition: 2 - NTFS		
Suspect Operating System(s):	Ubuntu 12.04		
Suspect Browser(s):	Firefox		
Test Description:	Full parse of Debian based linux.		
	Two Users: Both	have FF history	
	Cache.		
Menu Item:	New Case		
Variables Used:	N/A		
Expected Resu	lt	Actual Result	
Operating system parsed with r	o errors.	Operating system parsed with no errors.	

system) users ignored. Operating system(s) and browser(s) correctly identified. Cache records successfully identified. Cache rebuilt. Cache2 records successfully identified. Cache2 rebuilt. Cache2 rebuilt.	All relevant users found	rs found and irrelevant (i.e.			All relevant users found and irrelevant (i.e.		
identified. Cache records successfully identified. Cache rebuilt. Cache rebuilt. Cache2 records successfully identified. Cache2 records successfully identified. Cache2 rebuilt. Cache2 rebuilt. Cache2 rebuilt. Initial Unit Test Result: PASS Change Expected Result Actual Result	system) users ignored.			system) us	system) users ignored.		
Cache records successfully identified. Cache rebuilt. Cache rebuilt. Cache2 records successfully identified. Cache2 records successfully identified. Cache2 rebuilt. Cache2 rebuilt. Cache2 rebuilt. Initial Unit Test Result: PASS Change Expected Result Actual Result							
Cache rebuilt. Cache2 records successfully identified. Cache2 rebuilt. Actual Result		مرمان	±:£:l				
Cache2 records successfully identified. Cache2 rebuilt. Cache2 rebuilt. Initial Unit Test Result: Change Expected Result Cache2 records successfully identified. Cache2 rebuilt. Actual Result		illy laen	tified.		•		
Cache2 rebuilt. Initial Unit Test Result: Change Expected Result Actual Result	Cache rebuilt.			Cache reb	uilt.		
Initial Unit Test Result: PASS Change Expected Result Actual Result	Cache2 records successfully identified.		Cache2 red	Cache2 records successfully identified.			
Change Expected Result Actual Result	Cache2 rebuilt.		Cache2 rel	Cache2 rebuilt.			
Change Expected Result Actual Result							
	Initial Unit Test Result:		PASS				
N/A N/A	Change	T	Expected Res	sult	Actual Result		
N/A N/A	N/A	N/A			N/A		
Final Unit Test Result: N/A	Final Unit Test Result:		N/A				
•							

Unit Test A024: Parse All Operating Systems Simultaneously

Date:	09	9/10/2015				
Suspect Drive(s):	Pa	artition Table: N	/ISDOS			
	Pa	artitions: 6 (incl	uding extende	ed)		
	Pa	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4				
Suspect Operating System	m(s): N	one; Windows 8	8; Windows7;	None; Kali 1.1.0; Ubuntu 12.04		
Suspect Browser(s):	N	one; IE and FF;	IE and FF; Nor	ne; Iceweasel; FF		
Test Description:		ull parse of all o 023.	perating syste	ems as described in unit tests A020 to		
Menu Item:	N	ew Case				
Variables Used:	N	/A				
Expected	d Result			Actual Result		
Operating system parsed	with no e	errors.	Operating s	system parsed with no errors.		
All relevant users found a	ınd irrelev	vant (i.e.	All relevant users found and irrelevant (i.e.			
system) users ignored.			system) users ignored.			
Operating system(s) and browser(s) correctly identified.		Operating system(s) and browser(s) correctly identified.				
Cache records successfully identified.		Cache reco	rds successfully identified.			
Cache rebuilt.		Cache rebuilt – however some records are NOT rebuilt correctly.				
Cache2 records successfu	ılly identif	fied.	Cache2 records successfully identified.			
Cache2 rebuilt.		Cache2 rebuilt.				
Initial Hole Took Docule.	Le	ALL MAINIOD				
Initial Unit Test Result:	FA	AIL - MINOR				
Change		Expected Res	ult	Actual Result		
N/A	N/A			N/A		
Final Unit Tost Bosselts	l Ni	/^				
Final Unit Test Result:	I IV	/A				

7.0 Viewing Unit Tests

Unit Test V001: No Mounted Evidence Drive

Date:	08/10/2015	08/10/2015				
Suspect Drive(s):	N/A	N/A				
Suspect Operating Syste	m(s): N/A	N/A				
Suspect Browser(s):	N/A					
Test Description:	View the pag	e with no eviden	ce drive mounted.			
Page Item:	N/A					
Search Criteria Used:	N/A					
Expecte	d Result		Actual Result			
A message is displayed a evidence drive and reloa	_	_	A message is displayed advising to mount an evidence drive and reload the page.			
Initial Unit Test Result:	PASS					
Change	Expected	Result	Actual Result			
N/A	N/A		N/A			
Final Unit Test Result:	N/A					

Unit Test V002: PHP Server Overload

Date:	08/10/2015	08/10/2015				
Suspect Drive(s):	N/A	N/A				
Suspect Operating Syste	m(s): N/A	N/A				
Suspect Browser(s):	N/A					
Test Description:	page multiple	Overload the PHP server. This happens when refreshing the PHP page multiple times while the places sqlite file is being parsed on the other workspace.				
Page Item:	N/A	N/A				
Search Criteria Used:	N/A	N/A				
Expecte	d Result	ult Actual Result				
A custom error page is di button.	splayed with a refresh	A custom error page is displayed with a refres button.				
Initial Unit Test Result:	PASS					
Change	Expected	Resu	ult	Actual Result		
N/A	N/A			N/A		
Final Unit Test Result:	N/A					
rmai omit Test Result:	IN/A					

Unit Test V003 : View Cases

Date:	08	08/10/2015			
Suspect Drive(s):	Pa	Partition Table: MSDOS			
	Pa	Partitions: 6 (including extended)			
	Pa	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4			
Suspect Operating Syste	m(s): No	one; Windows 8	; Windows7;	None; Kali 1.1.0; Ubuntu 12.04	
Suspect Browser(s):	No	one; IE and FF; I	E and FF; Nor	ne; Iceweasel; FF	
Test Description:	Vie	ew the cases pa	ige.		
Page Item:	Ca	ises			
Search Criteria Used:	N/	′ A			
Expected Result			Actual Result		
Page is visually readable.	y readable.		Page is visually readable.		
Information is correct.			Information is correct.		
Images displayed are of the correct manner and			Images displayed are of the correct manner and		
are displayed correctly.			are displaye	ed correctly.	
Initial Unit Test Result:	PA	NSS			
Change		Expected Resu	ult	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:	N/	'A			

Unit Test V004: View Drives

Date:		08/10/2015				
Suspect Drive(s):		Partition Table: MSDOS				
Suspect Drive(s).				الم.		
		Partitions: 6 (inclu	_	•		
		• • • • • • • • • • • • • • • • • • • •		ITFS; Extended; EXT3; EXT4		
Suspect Operating Syste	m(s):	None; Windows 8	; Windows7;	None; Kali 1.1.0; Ubuntu 12.04		
Suspect Browser(s):		None; IE and FF; I	E and FF; Non	e; Iceweasel; FF		
Test Description:		View the drive pa	ge			
Page Item:		Drives				
Search Criteria Used:		N/A				
Expected Result		Actual Result				
Page is visually readable.	ge is visually readable.		Page is visually readable.			
Information is correct.	rrect.			Information is correct.		
Images displayed are of the correct manner and			Images disp	layed are of the correct manner and		
are displayed correctly.		are displayed correctly.				
Initial Unit Test Result:		PASS				
	•					
Change		Expected Resu	ılt	Actual Result		
N/A	N/A			N/A		
				,		
Final Unit Test Result:		N/A				

Unit Test V005 : View Partitions (Microsoft Windows)

		ISDOS			
	Doubitions, Clinal	Partition Table: MSDOS			
	Partitions: 6 (incit	Partitions: 6 (including extended)			
	Partition Types: F	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4			
n(s):	None; Windows 8	; Windows7;	None; Kali 1.1.0; Ubuntu 12.04		
	None; IE and FF; I	E and FF; Nor	ne; Iceweasel; FF		
	View the partition	ns page with a	Microsoft Windows partition.		
	Partitions				
	N/A				
Expected Result			Actual Result		
Page is visually readable.		Page is visually readable.			
Information is correct.		Information is correct.			
Images displayed are of the correct manner and are displayed correctly.		Images displayed are of the correct manner and are displayed correctly.			
Result: PASS					
	•				
	Expected Resu	ult	Actual Result		
N/A	-		N/A		
	N/A				
	d Resu	None; IE and FF; I View the partition Partitions N/A d Result he correct manner and PASS Expected Result	None; IE and FF; IE and FF; Nor View the partitions page with a Partitions N/A d Result Page is visu Information he correct manner and Images disp are displaye PASS Expected Result N/A		

Unit Test V006: View Partitions (GNU/Linux)

Date:		08/10/2015		
Suspect Drive(s):		Partition Table: MSDOS		
		Partitions: 6 (inclu	ıding extende	ed)
		Partition Types: F	AT32; NTFS; N	ITFS; Extended; EXT3; EXT4
Suspect Operating System	ո(s)։	None; Windows 8	; Windows7;	None; Kali 1.1.0; Ubuntu 12.04
Suspect Browser(s):		None; IE and FF; I	E and FF; Non	e; Iceweasel; FF
Test Description:		View the partition	s page with a	GNU/Linux partition.
Page Item:		Partitions		
Search Criteria Used:		N/A		
Expected Result		Actual Result		
Page is visually readable.	;e is visually readable.		Page is visu	ally readable.
Information is correct.	nformation is correct.		Information	is correct.
Images displayed are of the correct manner and		Microsoft Windows image displayed.		
are displayed correctly.	are displayed correctly.			
Initial Unit Test Result:	Test Result: FAIL - MINOR			
Change		Expected Resu	ılt	Actual Result
Fixed error in PHP code	Image	es displayed are of t	the correct	Images displayed are of the correct

	mann	er and are displayed correctly.	manner and are displayed correctly.
Final Unit Test Result:		PASS	

Unit Test V007 : View Users (Microsoft Windows)

Date:		08/10/2015				
Suspect Drive(s):		Partition Table: MSDOS				
		Partitions: 6 (including extended)				
		Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4				
Suspect Operating Syste	m(s):	None; Windows 8	; Windows7;	None; Kali 1.1.0; Ubuntu 12.04		
Suspect Browser(s):		None; IE and FF; I	E and FF; Nor	ne; Iceweasel; FF		
Test Description:		View the users pa	ge for a Micr	osoft Windows user.		
Page Item:		Users				
Search Criteria Used:		N/A				
Expected Result			Actual Result			
Page is visually readable.		Page is visually readable.				
Information is correct.			Information is correct.			
Images displayed are of the correct manner and			Images disp	olayed are of the correct manner and		
are displayed correctly.			are display	ed correctly.		
Initial Unit Test Result:		PASS				
Change		Expected Resu	ult	Actual Result		
N/A	N/A			N/A		
			•	-		
Final Unit Test Result:		N/A				
		•				

Unit Test V008: View Users (GNU/Linux)

Date:	08/10/2015		
Suspect Drive(s):	Partition Table: MSDOS		
	Partitions: 6 (inclu	uding extended)	
	Partition Types: F	AT32; NTFS; NTFS; Extended; EXT3; EXT4	
Suspect Operating System(s):	None; Windows 8	3; Windows7; None; Kali 1.1.0; Ubuntu 12.04	
Suspect Browser(s):	None; IE and FF; I	E and FF; None; Iceweasel; FF	
Test Description:	View the users page for a GNU/Linux user.		
Page Item:	Users		
Search Criteria Used:	N/A		
Expected Result		Actual Result	
Page is visually readable.		Page is visually readable.	
Information is correct.		Information is correct.	
Images displayed are of the correct manner and		Images displayed are of the correct manner and	
are displayed correctly.		are displayed correctly.	
Initial Unit Test Result:	PASS		

Change		Expected Result		Actual Result
N/A	N/A		N/A	
Final Unit Test Result:		N/A		

Unit Test V009: View System Information (Microsoft Windows - IE)

Date:	08/10/2015	08/10/2015			
Suspect Drive(s):	Partition Table: N	/ISDOS			
	Partitions: 6 (incl	Partitions: 6 (including extended)			
	Partition Types: F	AT32; NTFS;	NTFS; Extended; EXT3; EXT4		
Suspect Operating Syste	m(s): Microsoft Windo	Microsoft Windows 7			
Suspect Browser(s):	Internet Explorer	•			
Test Description:	View system info	rmation abou	it a Microsoft Windows partition that		
	uses Internet Exp	lorer.			
Page Item:	System Informati	ion			
Search Criteria Used:	N/A				
Expecte	d Result		Actual Result		
Page is visually readable.		Page is visually readable.			
Information is correct.		Informatio	n is correct.		
Images displayed are of t	he correct manner and	Images displayed are of the correct manner and are displayed correctly.			
are displayed correctly.		are display	ed correctly.		
Initial Unit Test Result:	PASS				
mitiai Ome rest Result.	1700				
Change	Expected Res	ult	Actual Result		
N/A	N/A		N/A		
Final Unit Test Result:	N/A				
	<u> </u>				

Unit Test V010: View System Information (Microsoft Windows – Firefox)

Date:	08/10/2015			
Suspect Drive(s):	Partition Table: MSDOS			
	Partitions: 6 (including extended)			
	Partition Types: F	AT32; NTFS; NTFS; Extended; EXT3; EXT4		
Suspect Operating System(s):	Microsoft Windov	vs 7		
Suspect Browser(s):	Mozilla Firefox			
Test Description:	View system information about a Microsoft Windows partition that			
	uses Mozilla Firefox.			
Page Item:	System Information			
Search Criteria Used:	N/A			
Expected Resu	lt	Actual Result		
Page is visually readable.		Page is visually readable.		
Information is correct.	_	Information is correct.		

Images displayed are of the correct manner and are displayed correctly.			Images displayed are of the correct manner and are displayed correctly.		
, ,				,	
Initial Unit Test Result:		PASS			
Change		Expected Resu	dt	Actual Result	
Change		Expected Rest	ait	Actual Nesult	
N/A	N/A	Expected Resi	uit	N/A	
	N/A	Expected Nest			
	N/A	N/A			

Unit Test V011: View System Information (GNU/Linux)

Date:		08/10/2015				
Suspect Drive(s):		Partition Table: M	SDOS			
		Partitions: 6 (including extended)				
		Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4				
Suspect Operating Syste	m(s):	Ubuntu 12.04				
Suspect Browser(s):		Mozilla Firefox				
Test Description:		View system information about a GNU/Linux partition that uses Mozilla Firefox.				
Page Item:		System Information	on			
Search Criteria Used:		N/A				
Expecte	d Resu	lt		Actual Result		
Page is visually readable.			Page is visually readable.			
Information is correct.			Information is correct – however the roaming and local directories are displayed, these are MS Windows only and should be changed to Mozilla and Cache folders.			
Images displayed are of tare displayed correctly.	he cor	rect manner and	MS Windows image is displayed instead of the Tux image.			
Initial Unit Test Result:		FAIL - COSMETIC				
Change		Expected Resu	ılt	Actual Result		
Fixed error in PHP code	Image	es displayed are of t	he correct	Images displayed are of the correct		
	mann	er and are displaye	d correctly.	manner and are displayed correctly.		
		I				
Final Unit Test Result: FAIL - COSMETIC						

Unit Test V012: View Web History (Microsoft Windows)

Date:	08/10/2015			
Suspect Drive(s):	Partition Table: MSDOS			
	Partitions: 6 (including extended)			
	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4			
Suspect Operating System(s):	Microsoft Windows 8			

Suspect Browser(s):		Internet Explorer and Mozilla Firefox			
Test Description:		View the web history for a Microsoft Windows partition that has both Internet Explorer and Mozilla Firefox browsers.			
Page Item:		History			
Search Criteria Used:		N/A			
Expecte	d Resu	lt		Actual Result	
Page is visually readable.	•		Page is visu	ually readable.	
Information is correct.			Information	Information is correct.	
Images displayed are of t	the cor	rect manner and	Images displayed are of the correct manner and		
are displayed correctly.			are displayed correctly.		
Initial Unit Test Result:		PASS			
Change		Expected Res	ult	Actual Result	
N/A	N/A	·		N/A	
Final Unit Test Result:		N/A			

Unit Test V013 : View Web History (Textual Search)

Date:		08/10/2015			
Suspect Drive(s):		Partition Table: M	SDOS		
		Partitions: 6 (including extended)			
		Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4			
Suspect Operating Syste	m(s):	Microsoft Windows 7			
Suspect Browser(s):		Internet Explorer	and Mozilla F	Firefox	
Test Description:		View the web history for a Microsoft Windows partition that has both Internet Explorer and Mozilla Firefox browsers. Search for multiple queries; including a query that should return zero (0) results.			
Page Item:		History			
Search Criteria Used:		.com .org Google searchwithnoresults			
Expecte	d Resu	lt		Actual Result	
Searches return correct r	esults.	Searches return correct results.		turn correct results.	
Initial Unit Test Result:		PASS			
Change		Expected Resu	lt	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:		N/A			
		. ·			

Unit Test V014: View Web History (Date Search)

Date:		08/10/2015			
Suspect Drive(s):		Partition Table: M	SDOS		
		Partitions: 6 (inclu	ding extende	ed)	
		Partition Types: F/	AT32; NTFS; N	ITFS; Extended; EXT3; EXT4	
Suspect Operating Syste	m(s):	Kali Linux 1.1.0			
Suspect Browser(s):		Iceweasel Firefox			
Test Description:		View the web hist	ory for a Mici	rosoft Windows partition that has	
		•		zilla Firefox browsers. Search for	
		multiple dates; in	cluding dates	that shold return zero (0) results.	
Page Item:		History			
Search Criteria Used:		01/01/2005 : 31/12/2015			
		09/02/2015 : 01/03/2015			
		01/01/2005 : 01/0	1/2006		
Expecte	d Resu	lt	Actual Result		
Searches return correct r	esults.	Searches return correct results.		turn correct results.	
Initial Unit Test Result:		PASS			
Change		Expected Resu	lt	Actual Result	
N/A	N/A			N/A	
Final Unit Test Result:		N/A			
			_		

Unit Test V015 : View Web History (Select Profile)

Date:	08/10/2015	08/10/2015			
Suspect Drive(s):	Partition Table: N	MSDOS			
	Partitions: 6 (incl	Partitions: 6 (including extended)			
	Partition Types: F	FAT32; NTFS; N	NTFS; Extended; EXT3; EXT4		
Suspect Operating Syste	m(s): Microsoft Windo	ws 7			
Suspect Browser(s):	Internet Explorer	r and Mozilla F	irefox		
Test Description:		View the web history for a Microsoft Windows partition that has both Internet Explorer and Mozilla Firefox browsers. Search for a			
Page Item:	History				
Search Criteria Used:	Internet Explore	r			
	First Firefox Prof	ile			
	Other Firefox Pro	ofile			
Expecte	d Result	Actual Result			
Searches return correct r	esults.	Searches return correct results.			
Initial Unit Test Result:	PASS				
	•				
Change	Expected Res	ult	Actual Result		
N/A	N/A		N/A		

Final Unit Test Result:	N/A

Unit Test V016: View Web History (GNU/Linux)

Date:		08/10/2015				
Suspect Drive(s):		Partition Table: M	Partition Table: MSDOS			
		Partitions: 6 (including extended)				
		Partition Types: F	AT32; NTFS; N	ITFS; Extended; EXT3; EXT4		
Suspect Operating Syste	m(s):	Ubuntu 12.04				
Suspect Browser(s):		Mozilla Firefox				
Test Description:		View the web hist	ory for a GNU	J/Linux partition a Mozilla Firefox		
		browser.				
Page Item:		History				
Search Criteria Used:		N/A				
Expecte	d Resu	lt	Actual Result			
Page is visually readable.			Page is visually readable.			
Information is correct.			Information is correct.			
Images displayed are of t	he cor			layed are of the correct manner and		
are displayed correctly.		are displayed correctly.		ed correctly.		
Initial Unit Test Result:		PASS				
Change		Expected Resu	ılt	Actual Result		
N/A	N/A			N/A		
Final Unit Tost Possilts		I NI/A				
Final Unit Test Result:		N/A				

Unit Test V017: View Rebuilt Cache (GNU/Linux)

Date:	08/10/2015		
Suspect Drive(s):	Partition Table: MSDOS		
	Partitions: 6 (inclu	uding extended)	
	Partition Types: F	AT32; NTFS; NTFS; Extended; EXT3; EXT4	
Suspect Operating System(s):	Ubuntu 12.04		
Suspect Browser(s):	Mozilla Firefox		
Test Description:	View the rebuilt o	ache page for a partition containing GNU/Linux.	
Page Item:	Cache		
Search Criteria Used:	N/A		
Expected Resu	ult Actual Result		
Page is visually readable.		Page is visually readable.	
Information is correct.	Information is correct.		
Images displayed are of the cor	rect manner and	Images displayed are of the correct manner and	
are displayed correctly.	are displayed correctly.		
Initial Unit Test Result:	PASS		

Change		Expected Result	Actual Result
N/A	N/A		N/A
Final Unit Test Result:		N/A	

Unit Test V018: View Rebuilt Cache2 (GNU/Linux)

Date:	08/1	08/10/2015				
Suspect Drive(s):	Parti	Partition Table: MSDOS				
	Parti	Partitions: 6 (including extended)				
	Parti	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4				
Suspect Operating Syste	m(s): Kali :	1.1.0				
Suspect Browser(s):	lcew	easel Forefox				
Test Description:	View	the rebuilt ca	ache2 page fo	or a partition containing GNU/Linux.		
Page Item:	Cach	e				
Search Criteria Used:	N/A					
Expecte	d Result			Actual Result		
Page is visually readable. Information is correct.			Page is visually readable.			
			Information is correct.			
Images displayed are of tare displayed correctly.	mages displayed are of the correct manner and are displayed correctly.			Images displayed are of the correct manner and are displayed correctly.		
Initial Unit Test Result:	PASS	5				
Change	E	xpected Resul	lt	Actual Result		
N/A	N/A	·		N/A		
Final Unit Test Result:	N/A					

Unit Test V019: View Downloads (GNU/Linux)

Date:	08/10/2015		
Suspect Drive(s):	Partition Table: MSDOS		
	Partitions: 6 (inclu	uding extended)	
	Partition Types: F	AT32; NTFS; NTFS; Extended; EXT3; EXT4	
Suspect Operating System(s):	Ubuntu 12.04		
Suspect Browser(s):	Mozilla Firefox		
Test Description:	View the downloa	ads page for a partition contining GNU/Linux	
Page Item:	Downloads		
Search Criteria Used:	N/A		
Expected Resu	Expected Result Actual Result		
Page is visually readable.		Page is visually readable.	
Information is correct.		Information is correct.	
Images displayed are of the cor	rect manner and	Images displayed are of the correct manner and	
are displayed correctly.		are displayed correctly.	

nitial Unit Test R	esult:	PASS	
Cl	<u> </u>	From a ske of Donorda	Astural Bassila
Change		Expected Result	Actual Result
N/A	N/A		N/A
	•		•
Final Unit Test Re	esult:	N/A	

Unit Test V020: View Google Analytical Cookies (Microsoft Windows)

Date:	08/10/2015	08/10/2015			
Suspect Drive(s):	Partition Table: N	Partition Table: MSDOS			
	Partitions: 6 (incl	uding extend	ed)		
	Partition Types: F	AT32; NTFS;	NTFS; Extended; EXT3; EXT4		
Suspect Operating Syste	m(s): Microsoft Windo	ws 8			
Suspect Browser(s):	Internet Explorer	and Mozilla	Firefox		
Test Description:	View the Google	analytics pag	e for a partition containing Microsoft		
	Windows.				
Page Item:	Google Analytics				
Search Criteria Used:	N/A				
Expecte	d Result	sult Actual Result			
Page is visually readable.		Page is visually readable.			
Information is correct.		Informatio	n is correct.		
Images displayed are of t	he correct manner and	Images dis	played are of the correct manner and		
are displayed correctly.		are display	ed correctly.		
Initial Unit Test Result:	PASS				
	•				
Change	Expected Res	ult	Actual Result		
N/A	N/A		N/A		
Final Unit Test Result:	N/A				
	•				

Unit Test V021: View Google Analytical Cookies (GNU/Linux)

Date:	08/10/2015		
Suspect Drive(s):	Partition Table: MSDOS		
	Partitions: 6 (inclu	uding extended)	
	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4		
Suspect Operating System(s):	Ubuntu 12.04		
Suspect Browser(s):	Mozilla Firefox		
Test Description:	View the Google analytics page for a partition containing GNU/Linux.		
Page Item:	Google Analytics		
Search Criteria Used:	N/A		
Expected Result		Actual Result	
Page is visually readable.		Page is visually readable.	
Information is correct.	Information is correct.		

Images displayed are of the correct manner and are displayed correctly.		Images displayed are of the correct manner and are displayed correctly.		
				<u>-</u> -
Initial Unit Test Result:		PASS		
-			1.	A D
Change		Expected Resu	uit	Actual Result
N/A	N/A	Expected Resi	uit	N/A
	N/A	Expected Resi	uit	
	N/A	N/A	uit	

Unit Test V022 : View Bookmarks (GNU/Linux)

Final Unit Test Result:		PASS			
		Lavos			
Changed delimiter to #'#	Infori	nation is correct.		Information is correct.	
Change		Expected Res	ult	Actual Result	
Initial Unit Test Result:		FAIL - MAJOR			
_			_		
Images displayed are of tare displayed correctly.	ne cor	rect manner and		olayed are of the correct manner and ed correctly.	
	1		their name are not displayed correctly.		
Information is correct.			Bookmarks with a single quotation mark (') in		
Page is visually readable.			Page is visually readable.		
Expecte	d Resu			Actual Result	
Search Criteria Used:		N/A			
Page Item:		Bookmarks	into page for t	a partition containing one of cinax.	
Test Description:			rks page for a	a partition containing GNU/Linux.	
Suspect Operating Syste Suspect Browser(s):	m(s):	Mozilla Firefox			
Cooperation Cooperation	/a\.	Partition Types: F Ubuntu 12.04	A132; N1FS; I	NTFS; Extended; EXT3; EXT4	
		Partitions: 6 (including extended)			
Suspect Drive(s):		Partition Table: MSDOS			
Date:		08/10/2015			

Unit Test V023: View User Credentials (GNU/Linux)

Date:	08/10/2015				
Suspect Drive(s):	Partition Table: MSDOS				
	Partitions: 6 (including extended)				
	Partition Types: FAT32; NTFS; NTFS; Extended; EXT3; EXT4				
Suspect Operating System(s):	Ubuntu 12.04				
Suspect Browser(s):	Mozilla Firefox				
Test Description:	View the user credentials page for a partition containing GNU/Linux.				
Page Item:	User Creds				

Search Criteria Used:		N/A		
Expecte	Expected Result		Actual Result	
Page is visually readable.			longer than	ng URL paths the table is made much the page width resulting in the nt to scroll horizontally.
Information is correct.			Information	n is correct.
Images displayed are of tare displayed correctly.	mages displayed are of the correct manner and are displayed correctly.		Images displayed are of the correct manner and are displayed correctly.	
Initial Unit Test Result:		FAIL - MINOR		
Change		Expected Resi	ult	Actual Result
Made table description have a word-break.	Page	ge is visually readable.		Page is visually readable.
Final Unit Test Result:		PASS	_	