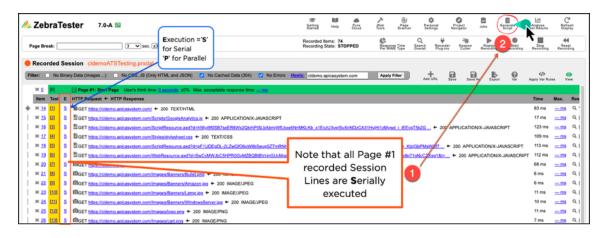
ZebraTester 7.0A (Released 17 January 2021)

7.0A features:

- Java 11 Support Adopt Open JDK 11 is now bundled with ZebraTester, which means the compiler and runtime environment for the script's execution is in java 11. That also means it is backward compatible; the scripts compiled in earlier versions will execute in 7.0-A.
- New GUI theme 7.0-A ZT has a new GUI theme, which means a new set of styles and icons. This a phase 1 GUI refresh; in phase 2, there will be new types of navigation.

Z	ebra	aTe	ester	7.0-A 🔚			and the contract of the contr
Page	Break:			3 ¥ 80C. 1	35% ¥ Insert		Recorded Jama: 179 🚯 Q 🤯 🦓 🐌 💭 🗮 44 Recording State: STOPPED Record Factors Record, Reco
Re	corde	d S	iession (L_Demo_FF_Demo.prxd	lat		
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item	Test	Ε	Offset	Position	Content Size	Time	HTTP Request + HTTP Response
×1	[1]	ŝ	0.00 sec		1,996 bytes	7 ms	GET http://cidemo.apicasystem.com/0/Styles/stylesheet.css + 200 (0K) TEXT/CSS
×2	[2]	e	0.00 sec		5,770 bytes	17 ms	BGET http://cidemo.apicasystem.com/WebResource.axd?d=SwCcMW.IRC5H/PR00yM2BOB/BVgrGUcMoeW87tv8Uit8R50HU80PEVSNB0QE3yO482yrcMUIGep_cl.ete071gNcCZXqg
×3	131	P	0.00 sec		423 bytes	18 ms	BGET http://cidemo.apicasystem.com/Scripts/GoogleAnahrice.ja ← 200 (OK) APPLICATION/X.JAVASCRIPT
×4	[4]	P	0.01 sec		25,604 bytes	45 ms	BGET http://cidemo.apicasystem.com/ScriptResource.axd?d=556y@f0587seER6Wx2QsrhPtSLbAbm/WILbxe6NrMKKKb_x1EczU3yzr5vXrNDzCA31HyBH1zMywd_i_EEczT5k2GGUis
×5	(3)	P	0.01 sec		9,984 bytes	30 ms	GET http://cidemo.apicasystem.com/ScrotResource.awd?droE1UDEpDL-2LZwOR060W8h5wup5ZTmRNHIIKGMEp7eKDcL2x4ExDoDipDE8x3OvGe2w9EPoQYsum-y_KtyGbPMaW3
×	(8)	e	0.03 sec		1,238 bytes	17 ms	GET http://cidemo.apicasystem.com/images/Banners/WindowsAzure.pg + 200 (OK) IMAGE/JPEG
×Z	[2]	P	0.03 sec		918 bytes	21 ms	GGET http://cidemo.apicasystem.com/images/Banners/Amazon.jpg + 200 (OK) IMAGEUPEG
×	[8]	e	0.04 sec		6,391 bytes	21 ms	GET http://cidemo.acicasystem.com/images/logo.png + 200 (OK) IMAGE/PNG
					405 bytes	20 ms	GGET http://cidemo.acicasystem.com/images/Bariners/Bullet.png + 200 (OK) IMAGE/PNG
×2	[9]	P.	0.04 sec		400 bytes		

- A new way of executing checks in ASM The ZT check execution in ASM is optimized and will create the JSON result file. Now, run checks by passing a new runtime parameter, *-jsonres.*
- Automatic Parallel/Serial execution config From 7.0-A ZT, the configuration of parallel/serial execution of URLs will be automatic during the script generation. Users could also change the configurations as before.





\& ZebraTester	Generate Script	Pro Navi	oject igator	C ^I Refresh	X Close
URL Execution I Serial Executed 12 Parallel Executed 33 Threads p. User 6 Switch to Serial Exec. Switch to Parallel Exec.	Script - 50 Items selected: 5 Pages - 45 URLs Java ™ Classname: * ⇒ cldemoATSTesting Content Test Algorithm: [t] apply (heuristic) methods from recorded session to check received content ▼ Character Encoding: UTF-8 ▼ Generate External Files for XML and SOAP Request Data: > 4096 Bytes ▼ Apica Table Server: ⇒ ☑ Apply Apica Table Server API configuration from Personal Settings * required: Enter a "simple" classname for the script, with no path and no file extension. HTTP Protocol Options i HTTP Protocol Options i HTTP Protocol Version: 1.1 ▼ Allow Keep-Alive: ☑ Strip Referer Header Field: Strip Referer Header Field: Apply PAC file Personal Settings PAC file Support: Apply PAC file Personal Settings				
2	HTTP / SSL Authentication Options i Basic Authentication: Apply individual Basic Authentication per user from input file (basicauth.bxt) Digest Authentication: Apply individual Digest Authentication per user from input file (digestauth.bxt) Will be a common Username: Password: NTLM Authentication: Use common NTLM account from Personal Settings menu Kerberos Authentication: Use common Kerberos account from Personal Settings menu PKCS#12 Client Certificates: apply individual DRCS#12 certificate per user from input file (dpclientCerts.tx) DER/PEM Client Certificates: apply individual DER/PEM certificate per user from input file (dpClientCerts.tx) Program Description: focDemo Parallel-Serial Execution Config * recommended: Will be displayed as hint in Project Navigator				

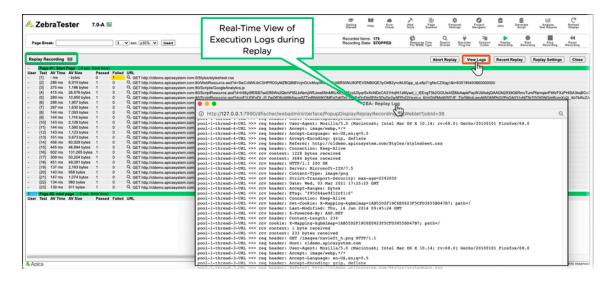
从 ZebraTester	Generate Script	Help	Project Navigator	C ^I Refresh	X Close
URL Execution i Serial Executed 12 Parallel Executed 33 Threads p. User 6 Switch to Serial Exec. Switch to Parallel Exec.	Script - 50 Items selected: 5 Pages - 45 URLs Java "* Classname: * + cldemoATSTesting Content Test Algorithm: [+] apply (heuristic) methods from recorded session to check received content v Character Encoding: UTF-8 UTF-8 v Generate External Files for XML and SOAP Request Data: > 4096 Bytes v Apica Table Server: + C Apply Apica Table Server API configuration from Personal Settings * required: Enter a "simple" classname for the script, with no path and no file extension. HTTP Protocol Options i Item Strip Accept Header Field to */* : Load Test over HTTP(s) Proxy: Apply next proxy configuration from Personal Settings				
	PAC file Support: Apply PAC file Personal Settings				
	HTTP / SSL Authentication Options i Basic Authentication: Apply individual Basic Authentication per user from input file (basicauth.tx) Digest Authentication: Apply individual Digest Authentication per user from input file (basicauth.tx) WILL Authentication: use common Username: Password: NTLM Authentication: use common NTLM account from Personal Settings menu V Kerberos Authentication: use common Kerberos account from Personal Settings menu V PKC\$#12 Client Certificates: apply individual PKC\$#12 certificate per user from input file (pkcs12auth DER/PEM Client Certificates: apply individual DER/PEM certificate per user from input file (pClientCertificate)	uth.txt)			
2	Program Description: 1 [DocDemo Parallel-Serial Execution Config Continue 1 recommended: Will be displayed as hint in Project Navigator	ן			



🙏 ZebraTester	Generate Script 🔶	Heip Project Navigator Baci	C ^I X Refresh Close
URL Execution i Serial Executed 12	Script cidemoATSTesting java ready to save.		
Parallel Executed 33 Threads p. User 6	MyTests/	Display Script Java Program <u>cldemoATSTesting.java</u>	
Switch to Serial Exec.	MyTests InlineScriptLibrary	Response Verification Summary [+]	
Switch to Parallel Exec.	LRscripts	Page #1: Start Page 14 [1] Q. "functiondoPostBack(eventTarget, eventArgument) {" [no failure act	on]
	Monitoring Templates NewSubDirXML Plugins ReportTemplates ScriptExamples Test Trash	Page #2: Booking 49 [23] C, "option value="FC internazionale Milano"" (no failure action) 51 C, "ip3)updatePanel[MainContent_UpdatePanel2" 57 [26] C, [http status code not verified] [content verification disabled] [no failure action] 58 Sign di="MainContent_SecondaryAvailabilityLabel"" (no failure action] 60 Sign di="MainContent_SecondaryAvailabilityLabel"" (no failure action] 60 C, "span id="MainContent_ShoppingCartLabel"" (no failure action] 66 Sign di="MainContent_ShoppingCartLabel"" (no failure action] 66 Sign di="MainContent_RoppingCartLabel"" (no failure action] 68 C, "span id="MainContent_RemainingSecondaryLabel" (no failure action] 68 Sign di="MainContent_RemainingSecondaryLabel" (no failure action] 70 C, "span id="MainContent_RemainingSecondaryLabel" (no failure action] 71 O, "functiondoPostBack(eventTarget, eventArgument) ("	on]
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🙏 ZebraTester	7.0-A 🖻	Now see that all Page	
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e Recorded Session cld	lemoATSTesting.prxdat (P' for Parallel	reassigned as either	
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	: Start Page User's think time: Q seconds +051	executed	
	est + HTTP Response		
× 15 PD 0 B		/Parallel Runtime Execution	Help Refresh Close
× 16 [3] P	14 on Page #1: Start Page 😽 🔿 GET https://cidemo.apicasystem.com		nelp Ketresh Close
1 × 18 [5] P 5	200 (OK) "TEXT/HTML" (3,638 bytes) 4 Runtime Execution Behavior:		
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	sallow Auto-Configuration for this URL (protect from automatic modificatio		
× 22 😰 P 🖻 🎞 🏘	oply for all URLs with HTTP status code 200 OK V AND response of		
X 23 [10] P 18 Apply	S		
	on-Wide Settings:		
	Configure Serial Runtime Execution for all URLs, and allow Auto-Configuration for Parallel URL Runtime Execution	Reset: All Serial Session-Wide Statistic Total Serial Executed URLs: 12 Total Serial Executed URLs: 13 Total Varial Executed URLs: 33 Total Number of Pages: 5	
	al Load Test Configuration: arallel Threads per User: 6 (recommended) 💙 Apply		

• Real-Time view of execution logs during replay - From the 7.0-A ZT version user could see the execution logs during replay. The old way of displaying logs after the replay also exists.





• **S3 Upload of load test result** - This feature is mostly useful for the Mega Test using ZebraTester. Upload of the load test results to S3 by passing a parameter *-uploadResultToS3* during the script execution.

ZebraTester 5.5Z (Released 30 September 2020)

5.5Z features:

- Init State A new state called "Init State" for the cluster jobs between transmit and start of the jobs will prepopulate the agents with the script and supporting files.
- Support multiple client certificates multiple client certificates supported securing communication with web servers.

HTTPS Client Certificate Authentication - PKCS#12 Files i (Proxy Recorder)	
File Choose file No file chosen Password	Load File
No. Active File	
1 Q × - client.p12	
2 Q 🗙 🗸 certificate.p12	
HTTPS Client Certificate Authentication - DER or PEM encoded Files i (Proxy Record	ler)
File Choose file No file chosen	ler) Load File
File Choose file No file chosen	
File Choose file No file chosen	

• Abort for Replay - ZebraTester now supports aborting the replay of the recorded sessions.





Ps.	Zeb	raTes	ster 7	'.0-A 🔚			Getting Started	Help	Pure Cloud	Web Topis	Page Scafrer	Personal Settings	Project Navigator	Dobs .	Generale Script	Ltd Analyse Test Résults	C [#] Refresh Display
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	[7]	292 ms	1,630 bytes	1		Q. GET http://cldemo.apicasystem.com:80/lm											
AA	ica															© 2021 Apica A	VII rights reserv

- **MS package support** Apica now provides an MSI package plus the EXE format package for Windows platforms.
- New Option in response content Now, users can add content verification for response content by clicking on the desired string.

AzebraTester Item 39: HTTP Response Content	O Q D Project Search Search Search Search Search Search Search Search Search Save Save	
HTTP Response Content + 15'805 Bytes HTML * Enotion search 95 <div class="carting"> < div/ search 96 < div/ 97 <div <="" td=""> 98 <div class="carting"> 99 <div class="carting"> 99 <div class="carting"> 90 <div class="carting"> 91 <div class="carting"> 92 <div class="carting"> 93 <div class="carting"> 94 <div class="carting"> 95 <div class="carting"> 96 <div< td=""> 97 <div< td=""> 98 <div class="carting"> 99 <div class="carting"> 90 <div class="carting"> 91 <div class="carting"> 92 <div< td=""> 93 <div< td=""> 94 <div <="" class="carting" td=""> 95 <div< td=""> 96 <div< td=""> 97 <div< td=""> 98 <div< td=""> 99 <div <="" class="carting" td=""> 99 <div <="" class="carting" td=""> 90 <div <="" class="carting" td=""> 911 <div< td=""> 912 <div <="" class="carting" td=""></div></div<></div></div></div></div<></div<></div<></div<></div></div<></div<></div></div></div></div></div<></div<></div></div></div></div></div></div></div></div></div></div></div>	Navigation Overail Script." Seration Save Ad Handler Image: Script." Seration Save Ad Some Addition Image: Script." Seration Save Ad Some Addition Image: Script." Seration Save Ad Some Addition Image: Script." Seration Seration Seration Some Addition Image: Script." Seration Seration Seration Seration Some Addition Image: Seration Seration Seration Seration Seration Seration Seration Seration	
HTTP Response Content + Unique Hyperlinks Extract U1 WebResource.axd?d=SwCcMWJbC5HPR0GyMZBQBtBVcjnGUcMopW87tvl8Utt8R50NU80PEVSNB0QE3yO4B2yncMJIGpp_U2 U2 http://ec2-204-236-223-80.compute-1.amazonaws.com/apica/?page=home HTTP Response Content + Verification Algorithm: [Institution] = "option value="FC Internazionale Milano"	Viewstate_7 Goop var) Viewstate_7 Goop var) Q40 Q if Boundary Based Pattern: <u>WEPDwULLTE10TMxMDgyM</u> Q10 Q HTTP Request Content Pattern (binary) VVIEWSTATE [I Goop var] 39 Q HTTM. Form Parameter: <u>7h719LL5XQV7A4/HdX1BvJp3A</u> 45 Q HTTP Request Content Parameter VVIEWSTATE_1 [loop var]	

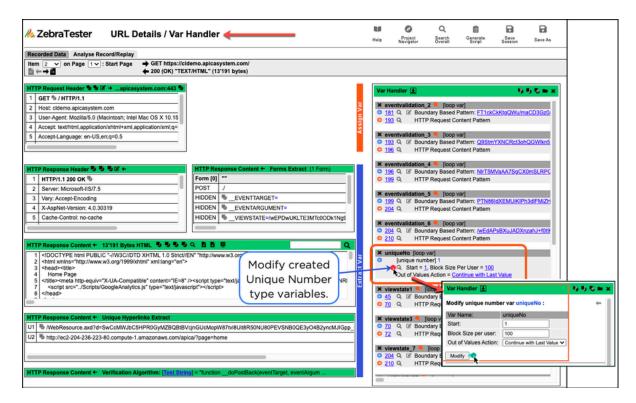




• **Debug settings and pacing for replay** – Replay settings now contain different debug options and support pacing for loops.

Replay Recording			Start Replay View Logs Recent Rep	lay Replay Settings Close
) V Seconds Stri	ip Referer Header Field ip Accept Header Field to */* aracter Encoding UTF-8 Y	Replay Settings have loop pacing support and new debug options.	Replay Settings Dialog
Additional Options User Agent Options Use Browser	ckBerry	None - recommended debug failed loops debug loops V debug headers & loops debug content & loops debug cookies & loops debug cookies & loops debug keep-alive & loops debug SSL handshake & loops		
Check for newer versions of Cache URLs with HTML C Simulate a new user each Apply ² Enter empty/blank value into the in	Content h loop			

• Support for the modify option for Unique Number variable type – ZebraTester now supports modifying already-created Unique Number type variables.



• Export option for Page and Transaction samples – There is now an Export button available in the Pages and Transactions summary to export the pages and transaction samples.



🍐 ZebraTester	1.03	d Test Result I	Detail - St	atistic	s and Diagrams					-51	ж,	B-	×
	LUa	a rest nesult t	Jetan - Ol	ausut	s and Diagrams				Help	Import Data	PDF Report	Export	Clo
Load Test: cidemoapica S	tart Date: 12	2 Jan 2021 22:47:01 Us	er: 5 Test Du	ation: 2:1	12 min Annotation:								
Advanced Test Parameter		Measured Results: per	Single User - p	er Loop	Overall Test Results								
Startup Delay per User: Request Timeout per URL: Statistic Sampling Interval:		AV Session Time per Loo AV Response Time per P Network Throughput per	age: 7.07 sec	/page	Web Transaction Rate: Session Failure Rate: Total Network Throughput:	3.5 URL calls/sec 30.00 % 0.38 MBit/sec	Total Transmitted: 6	мв					
> Test Scenario Warning		> Diagram: Response			ts per Page URL (Overview)			> Diagram: Page					
Diagram: Top Time-Const					am: Session Time	▶ Diagram: Web T		Diagram: Outst			ests		
Diagram: Completed Loo		Diagram: TCP Socke			am: Network Throughput		Keep-Alive Efficiency	Diagram: SSL (
Diagram: SSL Handshake		Diagram: Session Fa	lures		am: Error Types		er of Errors per Page	Diagram: Numb					
DNS Statistic and Resolution	tion Time	Transactions		▶ Diagra	am: User Defined Data Points	Diagram: Load Q	Senerator Performance	HTTP Response	e Code	Statistic			
Browser Cache Statistic													
age Summary Page Name		ailed Average Time S				_							
Page #1: Start Page	10	0 2279	Q.		Export option								
Page #2: Booking	7	3 31'797	Q		Export option								
Page #3: Page -test	34	0 90	Q		for Page and								
Page #4: shopping cart	7	0 470	Q		-								
Page #5: Checkout	7	0 712	Q		Transaction								
Samples of Page #1: Start P		Export			samples	J							
No. Sample Measured on		ns] Offset [min:sec.ms]											
1 12 Jan 2021 22:47:03.2				467 ms									
2 12 Jan 2021 22:47:03.3				279 ms 152 ms									
3 12 Jan 2021 22:47:03.3 4 12 Jan 2021 22:47:03.3				152 ms 783 ms									
4 12 Jan 2021 22:47:03.3 5 12 Jan 2021 22:47:03.4				927 ms									
6 12 Jan 2021 22:47:03:4				905 ms									
7 12 Jan 2021 22:48:17.3				837 ms									
8 12 Jan 2021 22:48:20.9				564 ms									
	100												
9 12 Jan 2021 22:48:25.0	31 83'6	68 1:23.668	2	649 ms									

- Validity change in the webserver certificates created by ZT Web server certificates created by ZebraTester during the recording of a website is limited to 1-year validity (previously, ten years).
- Support for new var assign pattern for "Assign Var by Text pattern" Extended the support for new var assign pattern {\$varName} to "Assign Var by Text pattern," as well.
- New Inline function getTableSize (tableName, columnName) Added a new line function to get the size of an ATS table. Also, you can check the size of a specific column in a table by passing the column name as an optional argument.

ZebraTester 5.5Y (Released 20 July 2020)

5.5Y features:

- <u>Apica Table Server</u> This version introduces the Apica Table Server (ATS), a web application, which can hold data from multiple tables. This feature avoids supplying the script's data input needs via attaching input files.
 - ZebraTester includes new inline functions to communicate with ATS for data retrieval and feeding.





Apica Tak	or port	orpmas(.) Im	Import File	Column Action		etrieved Data	Tables Hide/Sho Retrieve ata in Ta	(Table Na DW	ame(s)]	eload	API Access		
Apica Tabl	e Server V1.1	- Integrated	d with Zeb	raTester 5.		ATS Table After File	-			Apica (D 2020. All Rights R	leserved	
Choose File No file ch	osen Delimitter Com	imas(.) Import	Export C	Column Actions	🖌 Hide Re	Import	Tabl	es 100_Sak	es_Records	e 🖶	API Access	Enable	
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tegion Australia and O	Country	Hem Type	Sales Channel	Order Priority	Order Date	Order ID	Ship Date	Units Sold		Unit Cost	Total Revenue	Acti	
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- Support for TLS 1.3 ZT now supports TLS 1.3
 - Quicker handshake
 - Removes weak ECC ciphers
 - Encrypts all messages after server hello
 - And More
- Made the Replay Settings specific to scripts Now Replay Settings are specific to scripts so that users can save the replay settings along with the prxdat files.
- Made Replay stateful Now ZT keeps the state of replay, which means a user can come back to the replay screen and can see the latest replay in progress, or the latest replay summary, any time.
- GUI to filter traffic before recording Now, use the ZT GUI to configure the traffic filter rules (both by Domain and URL) *before* starting the recording to filter traffic during the recording (whitelist and blacklist domains, URLs, and URL Regex temporarily). This configuration is available under the Personal Settings.





			_				
🙏 ZebraTester 🛛 Pers	onal Settings - Proxy Rec	order GUI Settings	Alert Notificat	ions		Help	C ^I X Refresh Clos
Connect to Next / Cascaded Proxy	i (Proxy Recorder)	Export	HTTPS Client Certifi	cate Authentication - PKCS	#11 Device i (Proxy Recorder)		
Next Proxy HTTP Host		Web Browser	OS-Specific Library '	pkcs11wrapper.dll			
Next Proxy HTTP Port		Zebaraster	Device-Specific Library	slecap11.dil			
Next Proxy HTTP Cache disabled		Recorder	PIN ···	Slot No. 0 🖸			Apply
Next Proxy HTTPS Host	127.0.0.1			without path and copy both de	vice driver files manually to		
Next Proxy HTTPS Port	8888	Next Outbound	/Users/work/dev/Workspac	e/NEW/ZebraTester/PrxCore			
Next Proxy Auth Username		Prost	NTLM Authenticatio	n 🧯 (Proxy Recorder)			
Next Proxy Auth Password 1		Web Server	Protocol	NTLM v2 😋	Domain apica.local		
No Next Proxy for Host/Domain		Apply	Username	Administrator	Password		
Basic Authentication for Next / Cascaded Pr	ожу		CyberArk Command/AF	I URL'			Apply
			¹ Only needed in case Cybe	r-Ark's Enterprise Password V	ault (EPV) is used to securely manage t	he password	
WebSocket Settings i (Proxy Record	er)		GUI Settings i				
Max. Recoding Time per Connection	30 sec ᅌ	Apply	Time Zone 1	ECT (UTC +01:00) ** Dep	recated ᅌ		
			Number Format 1	123'456.00 😳			
HTTPS Settings i (Proxy Recorder)			Project Navigator Path	/Users/work/dev/Workspac	e/NEW/ZebraTester/PrxCore		Apply
SSL Version All	HTTP <u>S</u> Response Timeout	5 min 😳		ntil program termination - see to the input field to apply defar	help to change these values permanent	iy .	
SSL Session Cache enabled	SSL Session Cache Timeou	ut 10 min 😋			deprecated because the same abbrevia	tion is often used for multip	le time zones
Allow Legacy Renegotiation	Support Elliptic Curves SNI critical	× ·	Alert Notifications i	Configure Alerts			
Enhanced Compatibility Mode	Debug Handshakes						
Retry SSL Handshake	TLS Session Tickets	Apply	Proxy Auto Config (PAC) Settings i (Proxy R	ecorder)		
			URL of PAC file	file:Users/work/dev/Wor	kspace/NEW/Zebi		Apply
HTTPS Client Certificate Authentication	- PKCS#12 Files i (Proxy Recorder)	Enable/Disable	Variables Rule Configu	ration i Configure Var	Rules		
File Browse No file selected.	Password	Load File					
No. Active File			Filter Traffic Rule C	onfiguration i Configu	ure Filter Rules		
1 Q 🛪 🗸 1571753451.p12			Apica Table Server	API Configuration	Configur	e	
HTTPS Client Certificate Authentication	- DER or PEM encoded Files i (Proxy R	ecorder)		7.0.0.1		992	
File Browse No file selected.		Load File		90			Apply
I no certificates 1		Load File	HTTP <u>S</u> Host 89	90	HTTP <u>S</u> Port		-44919

Filter Traffic R	ule Configuration		Damain
Domain Filter UR	L Filter URL Regex Filter		Domain Filter
Domain Whitelist			
Domain: *			Add
Whitelisted Domains:	Domain (DNS Name / IP Add	ress)	
	No Domains configured		
Domain Blacklist			
Domain: *			
Action: *	No action	S Add	
Blacklisted Domains:	Action	Domain (DNS Nam	e / IP Address)



Domain Blacklist				
Domain: *				
Action: *	No action		Add	← Add
Blacklisted Domains:	"cldemo" added.			
Blacklisted Domains:	×	Action abort	Domain (DNS Nan "google"	ne / IP Address)
	×	400	"cldemo"	
		Mo	dify	
	Delete			
Filter Traffic	Rule Config	uration		
				URL
Domain Filter	URL Filter URL	Regex Filter		Filter
	2			
URL Whitelist				
ORE WINTERST				
URL: *				Add
				Add
		URL		Add
URL: *	No URLs configured	URL		Add
URL: *	No URLs configured	URL		Add
URL: * Whitelisted URLs:	No URLs configured	URL		Add
URL: *	No URLs configured	URL		Add
URL: * Whitelisted URLs:	No URLs configured	URL		Add
URL: * Whitelisted URLs: URL Blacklist URL: *	No URLs configured	URL	Add	Add
URL: * Whitelisted URLs: URL Blacklist		URL	Add	Add
URL: * Whitelisted URLs: URL Blacklist URL: *			Add	
URL: * Whitelisted URLs: URL Blacklist URL: * Action: *		URL	Add	Add



URL Blacklist		
URL: *		
Action: * No ac	ion 🗘 Add	
Blacklisted URLs:	Action URL	
×	abort https://cldemo.apicasystem.c	om/AllTickets.aspx
\sim		Add
6	elete	
Ľ	elete	
Filter Traffic Ru	le Configuration	
		URL Regex
Domain Filter URL	Filter URL Regex Filter	Filter
URL Regex Whitelist	$\overline{\mathbf{U}}$	
URL Regex: *		Add
Whitelisted URL Regex:	URL Regex	
	No URL Regex configured	
URL Regex Blacklist		
URL Regex: *		
Action: *	No action O Add	
Blacklisted URL Regex:		
Didokiisted ONE Negex.	Action No URL Regex configured	URL Regex



URL Regex Whitelist			
URL Regex: *			Add
	.*://(www.)?zebrate	ester.com.* added.	Ť
Whitelisted URL Regex:	l	JRL Regex	
	× . Delete	*://(www.)?zebratester.com.*	Add

• Unique Number Variable Type Support –ZT now supports the unique number variable type. Users can create a unique number by giving the start number and block size per virtual user.

Var Handler	Ŧ	355	l x	Supported	combinations of	var s	cope	and i	hitial	_	s ar
				Initial Val		G	U	L	L	UL	
Define New	Stand-Alone Var:	*	- 11	constant v	alue	V	V	1	4	4	
Var Name: *	uniqueNo			null		✓	V	4	4	쉬	
	[global var]			loop count	er counter	- 1		¥	4	4	
	[user var]			inner loop		-	-	-	-	-	
Var Scope:	[loop var]			URL loop		-	-	-	-	7	
	[inner loop var] loop 2				ne milliseconds	1	1	1	7	7	
	[inner loop var] loop 1			<u> </u>	e IP host name	7	13	13		÷	
Initial Value:	0				e IP address	7	13	13	-	-	
	🔾 null			current da	te and time	1		1	7	~	
	Current user counter (0,1,2)			random nu	umber	1	1	1	~	~	
	loop counter (0,1,2)			java syste	m property	1	\checkmark	1	~		
	inner loop counter (0,1,2)			unique nu	mber	-	-		-	-	
	System time milliseconds (e.g. 16153023852	267)		G = [globa	al var]	_		24			
	O load source IP host name			U = [user	var]	-					
	O load source IP address			L = [loop IL = [inner							
	C current date and time:			UL = URL							
	format: yyyy-MM-dd i			1 = loop cor	unter over all use	ers					
	day offset: 0 [none]				unter per user						
	time zone: EST (UTC -05:00) ** Deprecated	✓ t		^a = multihor	med support incl	uded					
	🔿 random number:										
	start range: 1000000										
	end range: 9999999										
	fill leading zeros										
) java system property:										
	key:										
	default value:										
	unique number:										
	start : 1										
	block size per user: 100										
	out of values action: Continue with Last Val	ue 🗙									
		City									
Define Var	* required	value									
	Abort Load Test										





- Support for Custom date format in the current date and time-variable Any string literal can now be part of the date and time-variable value.
 - ષ્ઠ ⊎**(**कु)= × Var Handler 王 0 127.0.0.1:7990/dfischer/webadmininterface/PopopVarHandlerTestStandAle Define New × AddressLine1 [loop var] 🙏 ZebraTester Stand-Alone Var - Current Date and Time Q. Input File: <u>AddressLine1.dat</u> O 19 O, HTTP Request Content Pattern Date And Time Format: yyyy-MM-dd 'DocDemo' Calculated during load test execu × AddressLine2 [loop var] Day Offset <0 = past, 0 = execution day, >0 = future Time Zone: EST (UTC-05:00) ** Deprecated 8 Q. Input File: AddressLine2.dat O 19 Q, HTTP Request Content Pattern Apply Deprecated - Use of these three-letter Timezone IDs is deprecated because the same abbreviation is often used Var Handler 王 8 5 5 **6** × × view of the stand-agne variable value, calculated on the load generator(s): Define New Stand-Alone Var: ders are supported for the date and time format Var Name: CustDateFormatDemo (± Date or Time Component Era designato Year AD 1996; 96 July; Jul; 07 [global var] Var Scope: [user var] Month in year Month [loop var] Week in year Week in mont Day in year Numbe 27 2 189 10 2 Initial Value: Day in month Day of week in r null Day in week Tuesday; Tue current user counter (0.1.2..) Am/pm marke loop counter (0,1,2..) four in day (0-23) 24 system time milliseconds (e.g. 1615994204242) four in day (1-24) load source IP host name our in am/pm (1-12 ad source IP address current date and time format: yyyy-MM-dd 'DocDemo' o be the part of the t day offset: 0 [none]
- The string literal should be inside single quotes.

- Display the loop variable's latest values in the job output file. This feature helps the users see the latest value of all loop variables extracted during the script execution as a table format in the job output file.
- Search option available for Request content A search option is now available for requested content for all POST requests.

AzebraTester URL Details / Var Handler	Null Help	Project Navigator	Q. Search Overall	Generate Script	Save Session	Save As	C ^I Refresh	Ciose
Recorded Data Analyse Record/Replay Item (55 ∨) on Page (4 ∨): PayAndCheckout.aspx POST http://cidemo.apicasystem.com/Checkout/l + + 0	PayAndCheckout.aspx		availab					
HTTP Request Header * 107 +	herkoutLinkButton		II POST	Content	s.		8.5	% ≈ x
2 DNT: 1 3 Origin: http 3 Origin: http 4			× var_ • 47 • 51 • 6		rm Paramet	oop var] er: <u>JeK/WPcdt</u> int Pattern (bin		nIMIRPL®
4 Upgrade-Insecure-Requests: 1 **	1000002111918638312114223	Assi		PREVIOUSPAC	GE 🔍 [loop			
		_	0 <u>51</u> 0 0 <u>52</u> 0		quest Conte			

 REST API endpoint for the result file – There's a new REST endpoint for getting the prxres file in JSON format: GET

<http://127.0.0.1:7996/?cmd=getZebraTestResult&jobId=<jobid>&execAgent=<execagentname>>

 Pagination for Load test jobs page – Pagination is now available for both exec agent jobs and cluster jobs so that it's easier to monitor the jobs.



Disp	lav Exec	Agent Jobs o	f Local Exec Agent	O Display Cluster Jobs of Local Controller		 	
		d Completed		te All Non-Running Jobs Display Log of "Local Exec Agent"		 	
Job 🔻	A .	State VA	Date 🕶	Script Program & Arguments VA i	Released from GUI (IP)		
21'337	QBX	completed	09 Mar 2021 09:37:35	KerberosTestMS -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 1!	127.0.0.1		
21'336	QBX	completed	09 Mar 2021 09:35:20	kerberostest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -pe	127.0.0.1		
21'335	QBX	completed	08 Mar 2021 20:06:48	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -p	127.0.0.1		
21'334	QBX	completed	08 Mar 2021 09:27:30	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -p	127.0.0.1		
21'333	QBX	completed	08 Mar 2021 09:26:34	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -p	127.0.0.1		
21'325	QBX	configured	03 Mar 2021 16:12:21	cldemoapica -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -pe	127.0.0.1		
21'321	QBX	completed	01 Mar 2021 15:54:02	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -p	127.0.0.1		
21'320	QBX	completed	01 Mar 2021 15:45:58	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -p	127.0.0.1		
21'294	QBX	completed	15 Feb 2021 21:37:17	cldemoapica -u 1 -d 60 -t 60 -sdelay 200 -maxloops 0 -sampling 15 -pé	127.0.0.1		
21'258	QBX	completed	08 Feb 2021 14:15:58	cldemoapica -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -pe	127.0.0.1		
21'257	QBX	completed	08 Feb 2021 14:15:54	cldemoapica -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -pe	127.0.0.1		
21'256	QBX	completed	08 Feb 2021 14:15:42	cldemoapica -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -p€	127.0.0.1		
21'242	QBX	completed	03 Feb 2021 16:42:04	websoketpluginregex -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -samplii	127.0.0.1		
21'229	Q III X	completed	02 Feb 2021 15:46:09	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -p	127.0.0.1		
21'225	QBX	completed	02 Feb 2021 12:54:57	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 0 -sampling 15 -p	127.0.0.1		
21'224	QBX	configured	02 Feb 2021 12:53:09	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 0 -sampling 15 -pt	127.0.0.1		
21'223	QBX	completed	02 Feb 2021 11:28:12	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 0 -sampling 15 -pt	127.0.0.1		
21'221	QBX	completed	02 Feb 2021 10:43:44	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 0 -sampling 15 -p	127.0.0.1		
21'211	QB		09:01:16	KerberosTest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -p	127.0.0.1		
21'177	Q 🎼	Pagina	ation 14:15:56	cldemonithya -u 2 -d 60 -t 60 -sdelay 200 -maxloops 0 -sampling 15 -p	127.0.0.1		
21'168	QB		12:46:37	KerberosTesting -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15	127.0.0.1		
21'167	QBX	completed	28 Jan 2021 12:46:07	KerberosTesting -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15	127.0.0.1		
21'166	QBX	completed	28 Jan 2021 12:41:55	kerberostest -u 1 -d 60 -t 60 -sdelay 200 -maxloops 1 -sampling 15 -pe	127.0.0.1		
21'161	O IF X	completed	27 Jan 2021 16:24:42	websockettest -u 2 -d 60 -t 45 -sdelay 200 -maxloops 1 -sampling 15 -	127.0.0.1		

- Housekeeping for clearing completed cluster jobs A housekeeping job is available that will remove all the completed cluster jobs older than three days.
- New Inline function to match string A new inline function strFindRegEx is now supported and returns whether the string contains a substring that matches the given regular expression.

ZebraTester 5.5X (Released 18 May 2020)

5.5X features:

- New Var Assign Pattern: ZT introduces a new variable assign pattern where variables can be assigned automatically (or manually) in the requests using the pattern {\$variable name}
- AMF3 / Flex Support: ZT supports the AMF3 Binary format, meaning ZT can encode and decode AMF 3 data. Decoding is mainly from the AMF 3 binary format to an XML format.
- Support of Entry conditions for Inner Loops: ZT now supports (optional) entry conditions in deciding whether to execute the inner loop during the load test/monitoring.
- Support for Modular Scripting: ZT supports modular scripting with inner loops and a built-in plugin called SupportModularScripts. For a fuller explanation and getting started, see Modular Scripting Support in ZebraTester (V5.5-X+).



- Full Browser Cache Support: ZT fully supports browser cache options like Cache HTML & Simulate New User per Loop. Browser cache metrics are now available in the ZT result file (.prxres), which states the cache hits and misses. <u>Variable Rules support</u>: - Users can create rules for variable extraction and assignment (global settings) and apply these rules to the recorded session (. prxdat) at any time.
- A new <u>Apply Var Rules icon</u> will allow you to replace all existing variables automatically. This icon will also support the new var assign pattern mentioned at the start of this list.
- Save option for the recorded session: ZT now can save the recorded session (.prxdat) faster by just clicking the new Save Icon instead of always going into the Save As mode. The old save icon has been renamed to Save As.





ZebraTester 5.5S (Released 3 Mar 2020)

5.5S features:

 Changes in <u>Kerberos with SPNEGO</u>: - Instead of getting the ticketgranting ticket (TGT) every time from the Key Distribution Centre by authenticating using the username and password, ZT will now have the option to look if there's a ticket available <u>in the local OS cache</u>. If it's available, then ZT will use that ticket to do the web server's challenge.

Kerberos Authentication i (Proxy Recorder)						
Username Password	Apply					
Authentication Mechanism OID SPNEGO (1.3.6.1.5.5.2)	Use Local TGT 🔀					
Web Server Host Names (Full DNS Names) Additional IP Addresses and Aliases [no entries]						
Add Web Server Host Name (Full DNS Name) Add						
Kerberos Configuration (krb5.conf) Edit Additional Settings (krb5LoginModule.conf) Edit						

• CyberArk Integration with <u>NTLM</u>: - ZT can configure the Password Vault API or Command to retrieve the password when doing the NTLM challenge with the web server, so the user doesn't need to configure the static password along with the script.



NTLM Authentication	i (Proxy Recorder)					
Protocol	NTLM v2 🗸	Domain				
Username		Password				
CyberArk Command/API	URL1	Apply				
Only needed in case Cyber-Ark's Enterprise Password Vault (EPV) is used to securely manage the password						

• User-Defined data points: - ZT enables the user to create data points that can make custom performance metrics and later become part of the performance test results. Find these measured user-defined data points in a results Diagram.

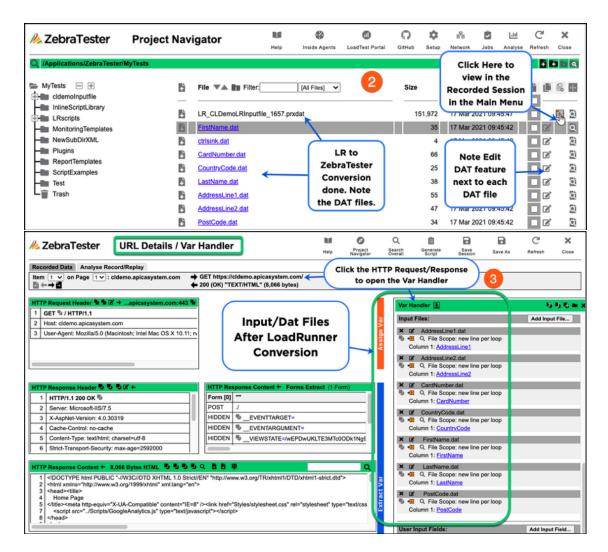
Transaction	Page Break	URL Loop	Data Point				
Item 1: GET https://cldemo.apicasystem.com/							

Add Data Point		
Data Point Name: *		
Variable Name: *	{\$ v1 v }	
Collect Data Point: *	Before V URL Execution	
Diagram Title:		
Diagram SubTitle:		
Y Axis Label:		Insert
Data Points		

• Input files support in LoadRunner to ZT conversion: - The LoadRunnerto-ZT conversion will now take the external parameter files (.dat files) from LoadRunner and convert these to the input files/variables relationship in ZT.

		+ 🛛 Q
Convert CLDemoLRInputfile.zip to LR_CLDemoLRInputfile_1657.prxdat	? <u>no/abort yęs</u>	
File VA 🖿 Filter: [All Files] V	Size Modified	ì 🔒 🕂
CLDemoLRInputfile.zip	2,047,361 17 Mar 2021 08:35:38	🖣 👸 🍳

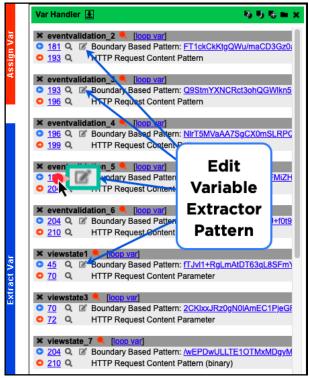








• Edit option for Var Extractor patterns: - ZT users can now modify the extractors so that they don't need to delete the variables and recreate them again when the extractor pattern changes.



See next Var Handler screenshot below, Modify Var Extract, for next view.



Support Occurrence all, Save Length and Save Offset for Var extractors:

- The Occurrence = ALL option in the extractors will extract all the occurrences out, from which the user can (1) create multiple variables (2) count the occurrence.
 - **SaveLen** Example: When used SaveLen = 5 and the captured value is Elephant, the final var value will become "Eleph" (only five characters).
 - SaveOffset Example: When used SaveOffset = 2, and the captured value is Elephant, the final value will become "Ephant" (Two characters, starting from the 2nd position, will be ignored).

Var Handler 👤	8 U U	■ ×				
O Modify Var Extract	t: 🔶	←				
Var Name:	<u>181</u> eventvalidation_2 Boundary Based Pattern					
Left Boundary	id="EVENTVALIDATION" value="					
Right Boundary	"					
Occurrence	 fixed to 1 variable {\$ viewstate3 v} 					
Occurrence All ← Random Extraction						
Save Length ← Save OffSet ←						
Test Extract Modify	y With Out Test Extract					
Recorded Value: "FT1ckCkKtgQWu/m	Recorded Value: "FT1ckCkKtgQWu/maCD3Gz0aPBADKyXxmZoAjqCJWOhIIXNf+ZZz					
Map to Var Name: ev pattern	ventvalidation_2 Assign with {\$Var Name}					
Assign Var automatically to all HTTP requests which contain the same text pattern (full binary replacement of recorded value overall requests)						
 Assign var automatically to all HTTP requests which contain form or CGI parameters with the same recorded value Try URL-encoding 						
Modify						





• Text Compare Utility for the Record and Replay Analyse Screen: - This feature highlights the differences between the recorded and replayed

ZebraTester URL Details / Var Handler	
	Help Project Search Generate Save Save As Refresh Close Navigator Overall Script Session Save As Refresh Close
Recorded Data Analyse Record/Replay Item 70 ♥ on Page 2♥: Booking ♥ POST https://cldemo.apicasystem.com/AllTickets.asp	x
← →	
Recorded Data	Replay Data Select Loop 2 -
Original Recorded Data	Replayed Data Compare
1 POST /AIITickets.aspx HTTP/1.1	1 POST /AIITickets.aspx HTTP/1.1
2 Host: cidemo.apicasystem.com	2 Host cidemo.apicasystem.com
3 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:78.0) Gecko/20100101 Firefox/78.0	3 User-Agent/Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:78.0) Gecko/20100101 Firefox/78.0
4 Accept: */* 5 Accept-Language: en-US,en;q=0.5	4 Accept: 5 AcceptLanguage: en-US,en;g=0.5
6 Accept-Encoding: gzip, deflate, br	5 AcceptLanguage: en-US,en;q=0.5 6 Accept-Encoding: gzip, deflate, br
7 X-NewRelic-ID: UwQGWFBaGwcDVFhUBwU=	UwQGWFBaGwcDVFhUBwU=
8 X-Requested-With: XMLHttpRequest Compare	
y X-MicrosoftAjax: Delta=true and Repla Cache-Control: no-cache	y Data of O-cache
11 Content-Type: application/x-www-form-urlencoded; charset=utf-8 any Loop	
12 Content-Length: 4335 selecte	d here. 4340
13 Origin: https://cldemo.apicasystem.com 14 Connection: Keep-Alive	14 Connection: Keep-Alive
14 Connection: Reep-Alive 15 Referer: https://cldemo.apicasystem.com/AllTickets.aspx	14 Connection: Reep-Alive 15 Referer: https://cldemo.apicasystem.com/AllTickets.aspx
16 Cookie: X-Mapping-kgbmlmap=1AB55D2F18C6E0823F5CFD3855BD47B7; ASP.NET_SessionId=	16 Cookie: ASP.NET_SessionId=hx225e0congadsrdmeqbt2n1; X-Mapping-kgbmlmap=B0837BA9307
	Compare
HTTP Request Content	HTTP Request Content
ctl00\$ScriptManager1=ctl00\$MainContent\$UpdatePanel1 ctl00\$MainContent\$GamesGridView	ctl00\$ScriptManager1=ctl00\$MainContent\$UpdatePanel1 ctl00\$MainContent\$GamesGridView
PREVIOUSPAGE=ZLR5YJNgG_28z3wT_GJVe5VluhNO4AuAkO5rVgyrhVAbfEkZAmZsfgGhmkjyFFg	PREVIOUSPAGE=ZLR5YJNgG_28z3wT_GJVe5VluhNO4AuAkO5rVgyrhVAbfEkZAmZsfgGhmkjyFfg
ctl00\$MainContent\$TeamNamesDropDownList=AC Milan	cti00\$MainContent\$TeamNamesDropDownList=AC Milan
	ctl00\$MainContent\$TeamNamesDropDownList=AC Milan EVENTTARGET=ctl00\$MainContent\$GamesGridView EVENTARGUMENT=Select\$0
ctl00\$MainContent\$TeamNamesDropDownList=AC Milan _EVENTTARGET=ctl00\$MainContent\$GamesGridView	EVENTTARGET=ctl00\$MainContent\$GamesGridView EVENTARGUMENT=Select\$0 VIEWSTATE=WZJdVY1TKG2WFBLOrb/1MZ+sOPITDWd7o8ouRTwGu4VZ+Kydfo+W/qmw0FZKesO
ct100\$MainContent\$TeamNamesDropDownList=AC Milan _EVENTTARGET=ct100\$MainContent\$GamesGridView _EVENTARGUMENT=Select\$0 VIEWSTATE=rTJvl1+RgLmAIDT63qL8SFmYyoOShjmEJTCzmgbsbjTEnZIY2fd0UHmnhaUYB69gow	EVENTTARGET=ctl00\$MainContent\$GamesGridView EVENTARGUMENT=Select\$0 VIEWSTATE=WZJdVYtTKG2WFBLOrb/1MZ+sOPITDWd7o8ouRTwGu4VZ+Kydfo+W/qmw0FZKesO ## Project Help Project Search Generate Save Save As Refresh Close
ctI00\$MainContent\$TeamNamesDropDownList=AC Milan _EVENTTARGET=ctI00\$MainContent\$GamesGridView _EVENTARGUMENT=Select\$0VIEWSTATE=ITJv11+RgLmAtDT63qL8SFmYyoOShjmEJTCzmgbsbjTEnZIY2fd0UHmnhaUYB69gow % ZebraTester URL Details / Var Handler Recorded Data Analyse Record/Replay	EVENTTARGET=ctl00\$MainContent\$GamesGridView EVENTARGUMENT=Select\$0 VIEWSTATE=WZJdVYtTKG2WFBLOrb/1MZ+sOPITDWd7o8ouRTwGu4VZ+Kydfo+W/qmw0FZKesO ## Project Help Project Search Generate Save Save As Refresh Close
cli00\$MainContent\$TeamNamesDropDownList=AC Milan EVENTTARGET=cti00\$MainContent\$GamesGridView EVENTARGUMENT=Select\$0 VIEWSTATE=rTJvt1+RgLmAtDT63qL8SFmYyoOShjmEJTCzmgbsbjTEnZIY2fd0UHmnhaUYB69gow ZebraTester URL Details / Var Handler Recorded Data Analyse Record/Replay Item 70 v on Page 2v: Booking POST https://clidemo.apicasystem.com/AllTickets.as 	_EVENTTARGET=ctl00\$MainContent\$GamesGridView _EVENTARGUMENT=Select\$0 _VIEWSTATE=WZJdVY1TKG2WFBLOrb/1MZ+sOP/TDWd7o8ouRTwGu4VZ+Kydfo+W/qmw0FZKesO W Project Search Generate Save As Refresh Close px
cdt00\$MainContent\$TeamNamesDropDownList=AC Milan EVENTTARGET=ctt00\$MainContent\$GamesGridView EVENTARGUMENT=Select\$0 VIEWSTATE=rTJvl1+RgLmAtDT63qL8SFmYyoOShjmEJTCzmgbsbjTEnZIY2fd0UHmnhaUYB69gow ✓ ZebraTester URL Details / Var Handler Recorded Data Analyse Record/Replay Item 70 ✓ on Page 2 : Booking POST https://cldemo.apicasystem.com/AllTickets.as 	_EVENTTARGET=ctl00\$MainContent\$GamesGridView _EVENTARGUMENT=Select\$0 _VIEWSTATE=WZJdVY1TKG2WFBLOrb/1MZ+sOP/TDWd7o8ouRTwGu4VZ+Kydfo+W/qmw0FZKesO W Project Search Generate Save As Refresh Close px
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- Support ZT Amazon Web Services (AWS) images for Job Controller and Exec Agents in Stockholm and Paris.
- Incorporated two new recorder plugins for auto correlate variables based on left and right boundary pattern; one general edition and the other is wildcard edition.

ZebraTester 5.5F with Java 8 (Released 2 Dec 2019)

5.5F features:

• <u>A replay of the recording session</u>: Eases the scripting effort as the user can replay the session by simply clicking a button. The replay will end with a summary similar to the load test summary.

A ZebraTester 7.0-A ₪	Getting Started	Malp.	Pure Cloud	Web Tools	B Paga Scanner	C Personal Settings	Project Navigator	int a	Generate Script	Lal Analyse Test Results	C ⁴ Refresh Display
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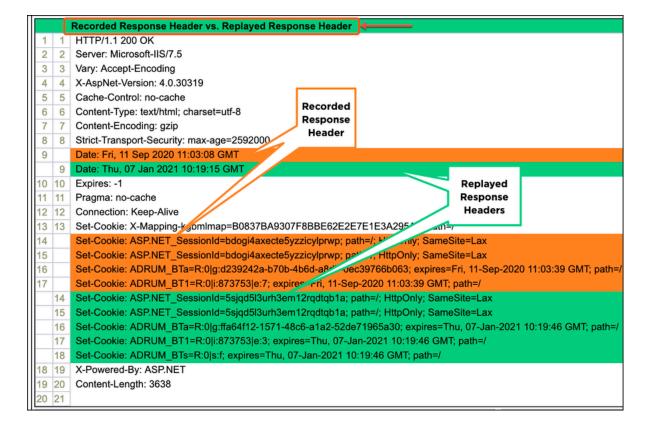
• Analyze the Recorded and Replayed data: Users can compare the recorded request/response data with the replayed request/response data, both during real-time and after the replay.

A ZebraTester 7.0-A ₪			denne Starte	10 A	 ₩	Salta-	Constant Sectores	O Project Neospect	8	Cenerate Operation	Analyse Test Results	C ^H Refresh Display
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Summary: ZebraReplayRecording Start Date: 07 Jan	2021 11:14:08 End Date: 07 Jan 2021 11:14:30 Test Durat	ition: 22 sec										
Measured Results - per Loop	Overall Test Results	URL Calls Summary	Display Lo	10								
AV Session Time per Loop: 19.47 sec/loop		Total Passed 26 URL c	ala									
AV Response Time per Page: 2,62 secipage	Session Failure Rate: 0,00 %	Total Failed: 0 URL o	alls					F	Replay	View		
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Replay Recording							Start Replay	Recent Replay	Replay Settings	Close
Summary: ZebraReplayRecording	Start Date: 07 Jan 2	21 11:19:59 End Date: 07 Jan	2021 11:20:04 Test D	uration: 5 sec						
Measured Results - per Loop		Overall Test Results		URL Calls Summary		Display Log				
AV Session Time per Loop:	3,35 sec/loop	Web Transaction Rate:	1,2 URL calls/sec	Total Passed:	6 URL calls	I ↑				
AV Response Time per Page:	0,35 sec/page	Session Failure Rate:	100,00 %	Total Failed:	1 URL calls					
Network Throughput per User:	16,0 kBytes/sec	Total Network Throughput:	0,08 MBit/sec							
Page Overview						Replay Log	Replay Summary			
Page #1: Start Page 1	Failed Average Time 0 349									
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Page URL Overview OP Page #1: Start Page Ut Test E # Passed # Failed [1] S 1 0 [2] S 1 0 [3] S 1 0 [4] S 1 0 [4] S 1 0 [6] S 1 0 [6] S 1 0 [7] Page #2: Dicket: User: 0	Bits Bits <th< th=""><th>s URL Q GET https://iddemo.apicasyster Q URL Response Time Efficient</th><th>n.com:443/ m.com:443/Styles/styles/styles/ m.com:443/WebResource. m.com:443/ScriptResource. m.com:443/ScriptResource. m.com:443/ScriptResource.</th><th>et.css xx3?d=SwCcMWJbC5HPR0Gyt Analytics.js xxd?d=569(90587seER6Wx2</th><th>MZEVojnGUeMopW ROKLEAbmjWfLbxe</th><th>6NnMKLKb_x1EczU3yqrSv</th><th>vXwd_i_iEEogT5k2GGUisX/ZMzAapkPayW.</th><th>9AxbjDAAGN2939G6F</th><th></th><th></th></th<>	s URL Q GET https://iddemo.apicasyster Q URL Response Time Efficient	n.com:443/ m.com:443/Styles/styles/styles/ m.com:443/WebResource. m.com:443/ScriptResource. m.com:443/ScriptResource. m.com:443/ScriptResource.	et.css xx3?d=SwCcMWJbC5HPR0Gyt Analytics.js xxd?d=569(90587seER6Wx2	MZEVojnGUeMopW ROKLEAbmjWfLbxe	6NnMKLKb_x1EczU3yqrSv	vXwd_i_iEEogT5k2GGUisX/ZMzAapkPayW.	9AxbjDAAGN2939G6F		
Page URL. Overview Image URL. Overview Test E # Page #1: Start Page U Test E # Page #1: Start Page U [1] 5 1 0 U [2] 6 1 0 U [3] 8 1 0 U [4] 8 1 0 U [6] 8 1 0 U [6] 8 1 0 U [6] 8 1 0 U	Replay seris think time. 0.0 second AV Time AV Size 160 ms 4384 Arias 29 ms 2795 bys 36 ms 9056 bys 38 ms 1223 bytes 31 ms 10096 bytes 34 ms 53472 bytes 34 ms 53472 bytes AV Time AV Size	te URL Q GET Https://cidemo.apicasystem Q GET https://cidemo.apicasystem Q GET https://cidemo.apicasystem Q GET https://cidemo.apicasystem Q GET https://cidemo.apicasystem Q GET https://cidemo.apicasystem S URLs Response Time Efficient URL	m.com:443/ m.com:443/Styles/ktyles/ke m.com:443/Styles/Resource m.com:443/ScriptResource m.com:443/ScriptResource m.com:443/ScriptResource m.com:443/ScriptResource	et.css xx3?d=SwCcMWJbC5HPR0Gyt Analytics.js xxd?d=569(90587seER6Wx2	MZEVojnGUeMopW ROKLEAbmjWfLbxe	6NnMKLKb_x1EczU3yqrSv	vXwd_i_iEEogT5k2GGUisX/ZMzAapkPayW.	9AxbjDAAGN2939G6F		



& ZebraTester URL Details / Var Handler		1	ji -	0	Q	Ê		C	х
Zebiarester One Details / Var Handler		He	Мр	Project Navigator	Search Overall	Generate Script	Save As	Refresh	Close
Recorded Data Analyse Record/Replay									
Item 1 📴 on Page 1 📴 : Start Page → GET https://cidemo.apicasystem.com/									
Recorded Data Original Recorded Data	Re	eplay Data Select Loop	1					Compare	
HTTP Request Header	н	ITTP Request Header				Compa	are		1
1 GET / HTTP/1.1	1	GET / HTTP/1.1		7	Reco	rded D	ata wi	th	$\langle $
2 Host: cldemo.apicasystem.com	2	Host: cldemo.apicasyster	m.com						
3 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:80.0) Gecko/20100101 Firefox/80.0	3	User-Agent: Mozilla/5.0 (Macinto	osh;		Data o		юор	/
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8	4	Accept: text/html,applicat	tion/xht	mi+xmi,app	(L	oop 1	nere)		
5 Accept-Language: en-US,en;q=0.5	5	Accept-Language: en-US	S,en;q=0	0.5					
6 Accept-Encoding: gzip, deflate, br	6	Accept-Encoding: gzip, d	leflate, l	br					
7 Connection: Keep-Alive	7	Connection: Keep-Alive							
8 Upgrade-Insecure-Requests: 1	8	Upgrade-Insecure-Reque	ests: 1						
								Compare	í I
HTTP Response Headers	н	ITTP Response Headers							
1 HTTP/1.1 200 OK	1	1 HTTP/1.1 200 OK							1
2 Server: Microsoft-IIS/7.5		2 Server: Microsoft-IIS/7.	5						1
3 Vary: Accept-Encoding	1 3	3 Vary: Accept-Encoding							





• <u>Pacing on outer loops</u>: Similar to the pacing feature for inner loops and URL loops, but this pacing applies to the max loops load test parameter (outer loops).

🙏 ZebraTester 🛛 Proj	ect Navigator - Execute Load Test	Help	Jobs Refresh Close
Execute Load Test Job: CLDer	moFF		
Load Test Input Parameter i 🗸 save	e as template CLDemoFF.xml		
Execute Test from	Cluster: Cluster 1		
Apply Execution Plan	default: [no execution plan] 🗸		
Number of Concurrent Users	1 •		
Load Test Duration	1 min 🗸		
Max. Loops per User	unlimited V Pacing 0 V Seconds		
Startup Delay per User	200 V Milliseconds		
Max. Network Bandwidth per User	unlimited V Downlink unlimited V Uplink		
Request Timeout per URL	60 V Seconds		
Max. Error-Snapshots	20MB memory		
Statistic Sampling Interval	15 V Seconds		
Additional Sampling Rate per Page Call	100% 🗸		
Additional Sampling Rate per URL Call	20% V Add i recommended V		
Debug Options	none - recommended		
Additional Options i	SSL All 🗸		
Monitoring Controller Template i	•		
	OWSER EMULATION OPTIONS		
User Agent Options			
O Use Browser			
Browser Type	BlackBerry		
Language	English V		
O Use Custom			
Browser Cache			
Enable Browser Cache			
Check for newer versions of stored	pages everytime		
Cache URLs with HTML Content			
Simulate a new user each loop]
Annotation 1			
>> Continue	nded: will be displayed as hint in Project Navigator		



 Browser Emulation Options (user agents and browser cache - <u>Initial</u> <u>version</u>): - Browser emulation options enable the user to select the user agents and the browser cache options like conditional GET during both replay and load test.

🙏 ZebraTester 🛛 Proj	ect Navigator - Execute Load Te	est 🔰 ይ C 🗙
Execute Load Test Job: CL_Do	emo_FF_Demo	
Load Test Input Parameter i 🗸 sav	e as template CL_Demo_FF_Demo.xml	
Execute Test from	Cluster: Cluster 1	
Apply Execution Plan	default: [no execution plan] 🗸	
Number of Concurrent Users	1 •	
Load Test Duration	1 min 🗸	
Max. Loops per User	unlimited V Pacing 0 V Seconds	
Startup Delay per User	200 V Milliseconds	
Max. Network Bandwidth per User	unlimited V Downlink unlimited V Uplink	
Request Timeout per URL	60 V Seconds	
	1	BlackBerry
Max. Error-Snapshots	20MB memory V	 Chrome 57 on Windows 10 Chrome 60 on Windows 8
Statistic Sampling Interval	15 V Seconds	Chrome 60 on Windows 8.1
Additional Sampling Rate per Page Call	100% ~	Chrome 60 on Windows XP Chrome 61 on Windows 10
		Chrome 63 on Windows 7
Additional Sampling Rate per URL Call	20% V Add i recommended	Chrome 64 on Windows 10
Debug Options	none - recommended	Chrome 65 on Windows 10 Chrome 67 on Windows 10
• •		Chrome 68 on Windows 10
Additional Options i	SSL All 🗸	Chrome 69 on Windows 7 Chrome 70 on Windows 10
Monitoring Controller Template i		Chrome 72 on Windows 10 Chrome 72 on Windows 10
• ·		Chrome 74 on Windows 10
	DWSER EMULATION OPTIONS	Chrome 78 on Windows 10 Chrome 79 on Windows 10
User Agent Options		Chrome 79 on Windows 10 Chrome 79 on Windows 7
Use Browser		Chrome 80 on Windows 10
		Chrome 81 on Windows 10 Chrome 83 on Windows 10
Browser Type	Chrome 57 on Windows 10	Chrome 83 on Windows 10 Chrome 84 on Windows 10
Language	English V	Edge 40 on Windows 10
0		Edge 41 on Windows 10 Firefox 1.0
O Use Custom		Firefox 1.5
Browser Cache 🚽		Frefox 2.0
Cashla Dawara Casha		Firefox 3.0 Firefox 3.6
Enable Browser Cache		Firefox 3.6
Check for newer versions of stored	pages everytime	Firefox 36 on Windows XP
		Firefox 46 Firefox 50 on Windows 10
Cache URLs with HTML Content		Firefox 52 on Windows 10
Simulate a new user each loop		Firefox 66 on Windows 10
		Firefox 67 on Windows 10 Gelaxy S5
Annotation 1		Galaxy 56
Annotation	Set Browser	Microsoft Internet Explorer 10 on Windows 7
>> Continue 1 recommend		Microsoft Internet Explorer 10 on Windows 8
	📲 🔨 Cache On/Off 🌙 🛛 🦊	Ŷ



• Results per Page | URL (Overview):

Displays, per measured URL, the number of passed and failed calls, the average response time, and the 90% percentile value of the response time.

🍌 Ze	braTes	ter	Load T	Test Re	sult D	etail - St	atistics and Diagrams	Help		PDF Report E	xport Close
Load Te	st: cidemotes	tingreplay	Start Date	: 25 Feb 20	21 16:00:3	6 User: 10	Test Duration: 5:09 min Annotation:	DocDem	o Real-Time Jo	ob Stats	
Advanc	ed Test Para	meter	Me	asured Res	ults: per \$	Single User - pe	er Loop Overall Test Results				
Startup [Delay per Use	r: 200	ms AV	Session Tim	ne per Loop	p: 10.04 sec	/loop Web Transaction Rate:	72.6 UR	_ calls/sec		
Request	Timeout per	JRL: 60 s	ec AV	Response T	ime per Pa	age: 1.35 sec/	page Session Failure Rate:	0.00 %			
Statistic	Sampling Inte	rval: 15 s	ec Net	work Through	ghput per l	Jser: 16.6 kByt	es/sec Total Network Throughput:	1.31 MB	t/sec	Total Transmitte	d: 48 MB
> Test \$	Scenario War	ning	≻	Diagram: R	esponse T	ime per Page	Results per Page URL (Overview)	▶ Resul	ts per Page L	JRL (Details)	Diagram
▶ Diagr	ram: Top Time	-Consumin	g URLs 🕨	Diagram: C	oncurrent l	Users 🥢	Diagram: Session Time	► Diagra	am: Web Trans	saction Rate	> Diagram
> Diagr	ram: Complete	ed Loops	>	Diagram: To	CP Socket	Connect Time	> Diagram: Network Through It	> Diagra	am: HTTP Kee	p-Alive Efficiency	> Diagram
> Diagr	ram: SSL Han	dshake Tim	ne 🕨	Diagram: S	ession Fall	lures	Diagram: Error Types	> Diagra	am: Number of	f Errors per Page	> Diagram
> DNS	Statistic and I	Resolution	Time >	Transaction	5		> Diagram: User Defined Data Points	> Diagra	am: Load Gene	erator Performan	HTTP Re
> Brow	ser Cache Sta	atistic									
	per Page UR		<i>'</i>	ime: 0.0 sec	onds						_
[0]	ber Page UR <u>Page #1: Sta</u> # Passed		w) Jser's think t AV Time	ime: 0.0 sec <= 90 %	onds Accept	AV Size	URL				
[0] Test E	Page #1: Sta E # Passed S 0	rt Page U	Jser's think t		Accept 0.0%	AV Size	URL GET http://cldemo.apicasystem.com:	0/Styles/st	ylesheet.css		
[0] Test E [1] S [2] P	Page #1: Sta # Passed 0 306	rt Page U # Failed <u>306</u> 0	Jser's think to AV Time ms <u>300 ms</u>	<= 90 % ms <u>327 ms</u>	Accept 0.0% 100.0%	bytes 1,068 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe	source.axd?d		IPR0GyMZBQ8
[0] Test E [1] S [2] P [3] P	Page #1: Sta # Passed 5 0 2 306 2 306	rt Page U # Failed <u>306</u> 0 0	Jser's think to AV Time ms <u>300 ms</u> 297 ms	<= 90 % ms <u>327 ms</u> <u>322 ms</u>	Accept 0.0% <u>100.0%</u> <u>100.0%</u>	bytes 1,068 bytes 613 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts	source.axd?d GoogleAnalyti	ics.js	
[0] Test E [1] S [2] P [3] P [4] P	Page #1: Sta # Passed 5 0 306 306 306 306	rt Page (# Failed <u>306</u> 0 0 0	Jser's think t AV Time ms <u>300 ms</u> 297 ms <u>427 ms</u>	<= 90 % ms <u>327 ms</u> <u>322 ms</u> <u>545 ms</u>	Accept 0.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR	source.axd?d GoogleAnalyti esource.axd?c	ics.js d=h56yi9f0SB7se	ER6Wx2QkrhP
[0] Test E [1] S [2] P [3] P [4] P [5] P	Page #1: Sta # Passed 5 0 2 306 2 306 2 306 2 306	rt Page U # Failed <u>306</u> 0 0 0	Jser's think t AV Time ms <u>300 ms</u> 297 ms <u>427 ms</u> <u>303 ms</u>	<= 90 % ms <u>327 ms</u> <u>322 ms</u> <u>545 ms</u> <u>329 ms</u>	Accept 0.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes	GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR 80/ScriptR	source.axd?d GoogleAnalyti esource.axd?c esource.axd?c	ics.js d=h56yi9f0SB7se d=pF1UDEgDL-2	ER6Wx2QkrhP
[0] Test E [1] S [2] P [3] P [4] P [5] P [6] P	Page #1: Sta # Passed 5 0 2 306 2 306 2 306 2 306 2 306 2 306 2 306	rt Page U # Failed 306 0 0 0 0 0 0 0	Jser's think t AV Time ms 300 ms 297 ms 427 ms 303 ms 299 ms	<= 90 % ms <u>327 ms</u> <u>322 ms</u> <u>545 ms</u> <u>329 ms</u> <u>324 ms</u>	Accept 0.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes 654 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR 80/ScriptR 80/ScriptR	source.axd?d GoogleAnalyti esource.axd?o esource.axd?o /Banners/Wino	ics.js d=h56yi9f0SB7se d=pF1UDEgDL-2 dowsAzure.jpg	ER6Wx2QkrhP
[0] Test E [1] S [2] P [3] P [4] P [5] P [6] P [7] P	Page #1: Sta # Passed ≤ 0 ≥ 306 ≥ 306 ≥ 306 ≥ 306 ≥ 306 ≥ 306 ≥ 306 ≥ 306 ≥ 306 ≥ 306	rt Page U # Failed 306 0 0 0 0 0 0 0 0 0 0	Jser's think t AV Time ms <u>300 ms</u> <u>297 ms</u> <u>427 ms</u> <u>303 ms</u> <u>299 ms</u> <u>299 ms</u>	<= 90 % ms <u>327 ms</u> <u>322 ms</u> <u>545 ms</u> <u>329 ms</u> <u>324 ms</u> <u>320 ms</u>	Accept 0.0% 100.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes 654 bytes 640 bytes	GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com: GET http://cidemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR 80/ScriptR 80/Images 80/Images	source.axd?d GoogleAnalyti esource.axd?o esource.axd?o /Banners/Wino /Banners/Ama	ics.js d=h56yi9f0SB7se d=pF1UDEgDL-2 dowsAzure.jpg	ER6Wx2QkrhP
[0] Test E [1] S [2] P [3] P [4] P [5] P [6] P [7] P [8] P	Page #1: Sta # Passed # Passed 0 306 0 306 0 306 0 306 0 306 0 306 306 306 306 306	rt Page U # Failed 306 0 0 0 0 0 0 0 0 0 0 0 0	Jser's think to AV Time ms 300 ms 297 ms 427 ms 303 ms 299 ms 299 ms 146 ms	<pre><= 90 % ms 327 ms 322 ms 545 ms 329 ms 324 ms 320 ms 158 ms</pre>	Accept 0.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes 654 bytes 640 bytes 823 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts/ 80/ScriptR 80/ScriptR 80/Images 80/Images 80/Images	source.axd?d: GoogleAnalyti esource.axd?c esource.axd?c /Banners/Winc /Banners/Ama /logo.png	ics.js d=h56yi9f0SB7se d=pF1UDEgDL-2 dowsAzure.jpg azon.jpg	ER6Wx2QkrhP
[0] Test E [1] S [2] P [3] P [4] P [5] P [6] P [7] P [8] P [9] P	Page #1: Sta # Passed # Passed 0 306	rt Page # Failed 306 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jser's think t AV Time ms 300 ms 297 ms 427 ms 427 ms 299 ms 299 ms 299 ms 146 ms 145 ms	<pre><= 90 % ms 327 ms 322 ms 545 ms 329 ms 324 ms 320 ms 158 ms 159 ms</pre>	Accept 0.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes 654 bytes 640 bytes 823 bytes 617 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR 80/ScriptR 80/Images 80/Images 80/Images 80/Images	source.axd?d: GoogleAnalyti esource.axd?c esource.axd?c /Banners/Winc /Banners/Ama /logo.png	ics.js d=h56yi9f0SB7se d=pF1UDEgDL-2 dowsAzure.jpg azon.jpg	ER6Wx2QkrhP
[0] Test E [1] S [2] P [3] P [4] P [5] P [6] P [7] P [8] P	Page #1: Sta # Passed # Passed 0 306 0 306 0 306 0 306 0 306 0 306 306 306 306 306	rt Page U # Failed 306 0 0 0 0 0 0 0 0 0 0 0 0	Jser's think to AV Time ms 300 ms 297 ms 427 ms 303 ms 299 ms 299 ms 146 ms	<pre><= 90 % ms 327 ms 322 ms 545 ms 329 ms 324 ms 320 ms 158 ms</pre>	Accept 0.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes 654 bytes 640 bytes 823 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR 80/ScriptR 80/Images 80/Images 80/Images 80/Images	source.axd?d: GoogleAnalyti esource.axd?c esource.axd?c /Banners/Winc /Banners/Ama /logo.png	ics.js d=h56yi9f0SB7se d=pF1UDEgDL-2 dowsAzure.jpg azon.jpg	ER6Wx2QkrhP
[0] Test [1] S [2] [3] [4] [5] [6] [7] [8] [9] [9] Total	Page #1: Sta # Passed 5 0 306 306 306 306 306 306 306 306 306 306 306 306 306	rt Page (# Failed 306 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jser's think t AV Time ms 300 ms 297 ms 427 ms 427 ms 299 ms 299 ms 299 ms 146 ms 145 ms	<pre><= 90 % ms 327 ms 322 ms 545 ms 329 ms 324 ms 320 ms 158 ms 159 ms 877 ms</pre>	Accept 0.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes 654 bytes 640 bytes 823 bytes 617 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR 80/ScriptR 80/Images 80/Images 80/Images 80/Images	source.axd?d: GoogleAnalyti esource.axd?c esource.axd?c /Banners/Winc /Banners/Ama /logo.png	ics.js d=h56yi9f0SB7se d=pF1UDEgDL-2 dowsAzure.jpg azon.jpg	ER6Wx2QkrhP
[0] Test [1] [2] [3] [4] [5] [6] [7] [8] [9] [9] [9] Total	Page #1: Sta # Passed # Passed 0 306	rt Page (# Failed 306 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jser's think t AV Time ms 300 ms 297 ms 427 ms 303 ms 299 ms 146 ms 145 ms 770 ms	<pre><= 90 % ms 327 ms 322 ms 545 ms 329 ms 324 ms 320 ms 158 ms 159 ms 877 ms</pre>	Accept 0.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes 654 bytes 640 bytes 823 bytes 617 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR 80/ScriptR 80/Images 80/Images 80/Images 80/Images	source.axd?d: GoogleAnalyti esource.axd?c esource.axd?c /Banners/Winc /Banners/Ama /logo.png	ics.js d=h56yi9f0SB7se d=pF1UDEgDL-2 dowsAzure.jpg azon.jpg	ER6Wx2QkrhP
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[0] Test E [1] S [2] P [3] P [4] P [5] P [6] P [7] P [8] P [9] P Total Test [24] Test [25] S	Page #1: Sta # Page #1: Sta # Passed 0 306 306 306 306 306 306 306 306 306 306 306 306 306 9 306 306 306 306 306 9 306 306 9 306 306 9 306 306	rt Page U #Failed 306 306 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jser's think II AV Time ms <u>300 ms</u> 297 ms 427 ms 299 ms 299 ms 299 ms 299 ms 146 ms 145 ms 770 ms ser's think II AV Time 143 ms	<= 90 % ms 327 ms 322 ms 545 ms 329 ms 324 ms 320 ms 158 ms 159 ms 877 ms e= 30 % 151 ms	Accept 0.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%	bytes 1,068 bytes 613 bytes 1,953 bytes 1,274 bytes 640 bytes 823 bytes 647 bytes 617 bytes 29,010 bytes AV Size 618 bytes	GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: GET http://cldemo.apicasystem.com: 23 URLs Response Time Efficience URL GET http://cldemo.apicasystem.com:	80/WebRe 80/Scripts 80/ScriptR 80/Images 80/Images 80/Images 80/Images 80/Images 80/Images 80/Images	source.axd?di GoogleAnalyti esource.axd?c esource.axd?c esource.axd?c /Banners/Wind /Banners/Mind /Banners/Bulle /Navright.png /navright.png	ics.js d=h56yi910SB7se d=pF1UDEgDL-2 dowsAzure.jpg uzon.jpg et.png	ER6Wx2QkrhP

• HTTP Response Code Statistic: Displays statistical data about the received HTTP response status codes (total count of status codes).

🍐 ZebraTester 🛛 Loa	d Test Result Detail - Si	tatistic	s and Diagrams			-5	۶.	E.	×
			-		Help	Import Data	PDF Report	Export	Close
Load Test: cldemotestingreplay Start I	Date: 25 Feb 2021 16:00:36 User: 10	Test Dura	tion: 5:09 min Annotation:	DocDemo Real-Time	Job Stats				
Advanced Test Parameter	Measured Results: per Single User - p	er Loop	Overall Test Results						
Startup Delay per User: 200 ms	AV Session Time per Loop: 10.04 se	ec/loop	Web Transaction Rate:	72.6 URL calls/sec					
Request Timeout per URL: 60 sec	AV Response Time per Page: 1.35 sec	/page	Session Failure Rate:	0.00 %					
Statistic Sampling Interval: 15 sec	Network Throughput per User: 16.6 kB	/tes/sec	Total Network Throughput:	1.31 MBit/sec	Total Transmitted:	48 MB			
Test Scenario Warning	Diagram: Response Time per Page		s per Page URL (Overview)	Results per Page	1	Diagram: Page 1	0 1		
Diagram: Top Time-Consuming URLs	Diagram: Concurrent Users	•	m: Session Time	Diagram: Web Tra		Diagram: O			quest
Diagram: Completed Loops	Diagram: TCP Socket Connect Time		m: Network Throughput	Diagram: HTTP K		> Diagram: S			
Diagram: SSL Handshake Time	Diagram: Session Failures	Diagra	m: Error Types	Diagram: Number		Diagram: N			₹I.
DNS Statistic and Resolution Time	Transactions	Diagra	m: User Defined Data Points	Diagram: Load Ge	enerator Performance	HTTP Resp	onse Code S	tatistic	
Browser Cache Statistic								- A	
ITTP Response Code Statistic									
HTTP Status Code Status Text Tot									
HTTP 200 OK 3,2									
	189								
HTTP 404 Not Found 203									



- Brotli Data format specification Support: ZebraTester supports Brotli data format.
- Updated GUI for better representations of Var extractors/assigners: -Highlights the variables indicating from where, in the response, they are extracted, and to which request they are assigned.

