



vivit

Discover the independent Micro Focus
software user community where you can
share, collaborate, exchange, and grow



Quality & Testing SIG Talk #1

Discover the New

December 12, 2017



Hosted By



Richard Bishop
Head of Service
Development/Delivery
Trust IV Ltd

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Webinar Housekeeping



The screenshot displays a webinar interface with a sidebar on the left and a main presentation area. The sidebar includes a logo/picture section with the Vivit logo, a Q&A section with a text input and 'Ask' button, and a 'DOWNLOAD FILES' section with a table showing no files found. The main area shows 'Slide 2 of 27' with a grid of images. The central image is a slide titled 'Building the DevOps Tool Chain' dated 'January 17, 2017'. Other images in the grid include the Vivit logo, a group of people, a lightbulb, and various business-related graphics. A red arrow points to a small rectangle in the upper right corner of the presentation pane.

Slide 2 of 27

LOGO/PICTURE

Q&A

Ask a question

Ask

DOWNLOAD FILES

File Name	Size
No file Found	

Folder: All Files

Building the DevOps Tool Chain
January 17, 2017

COMMUNITY

EDUCATION

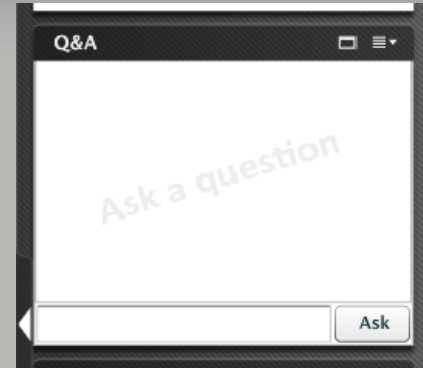
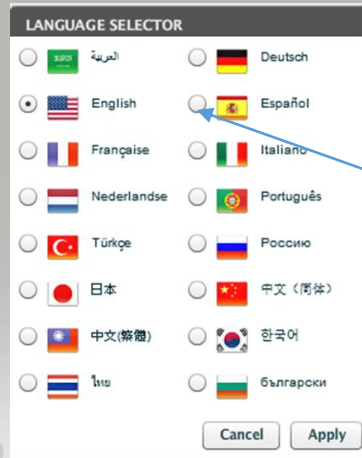
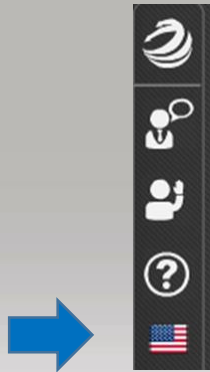
Dial-In #: VoIP or 415-926-7795 or [International Numbers](#) Conference ID: 0866-2702 User ID: 280895

- This “LIVE” session is being recorded
- Recordings are available to all Vivit members
- To enlarge the presentation screen, click on the rectangle in the upper right hand corner of the Presentation pane



Webinar Control Panel

- Session Q&A:
Please type questions in the Q&A pane and click on “Ask”
- Choose the language in which you would like to ask your questions



Welcome to



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SIG Talks

- Monthly “show and tell”
- Sharing best practice
- Collaborative with Q&A
- Member to member
- Technical focus (not “salesy”)

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Future topics

If you are interested in **participating as a SIG Talk speaker** for one of our 2018 Quality and Testing topics or want to **suggest a speaker or topic**, please take a moment to [answer our survey](#).



Date	SIG Talk	Moderator
December 12, 2017	<u>Discover the New Tour</u>	<u>Richard Bishop</u>
January 9, 2018	Proven Practices	<u>Todd DeCapua</u>
February 13, 2018	Testing Tools	<u>Chris Trimper</u>
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Tweet Your Questions



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Today's topics



- The move to Micro Focus

“Discover the New”

- Big Data, AI and Machine learning
- VTS demonstration
- SRF demonstration

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Today's Speakers

Today's Speakers:



Richard Bishop
Head of Service
Development/Delivery
Trust IV Ltd



Todd DeCapua
Senior Director of
Technology and
Product Innovation
Corporation Service
Company



Chris Trimper
Enterprise QA Senior
Automation Analyst
Independent Health

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Discover the New

- Micro Focus post merger “Discover the New” tour
- 14 cities in 4 weeks
- Discussed key tech disruptions. Agile / DevOps, Cloud, Open Source, Data Centric Enterprises, Analytics & Machine Learning
- Chance for customers & partners to meet the Micro Focus leadership



September 1, 2017 - NYSE

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Discover the New



Discover the New Company

Our Mission

We provide our customers with a best-in-class portfolio of enterprise-grade scalable software with analytics built in.

We put customers at the center of our innovation and build high quality products that our customers can rely on and our teams can be proud of.

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Discover the New

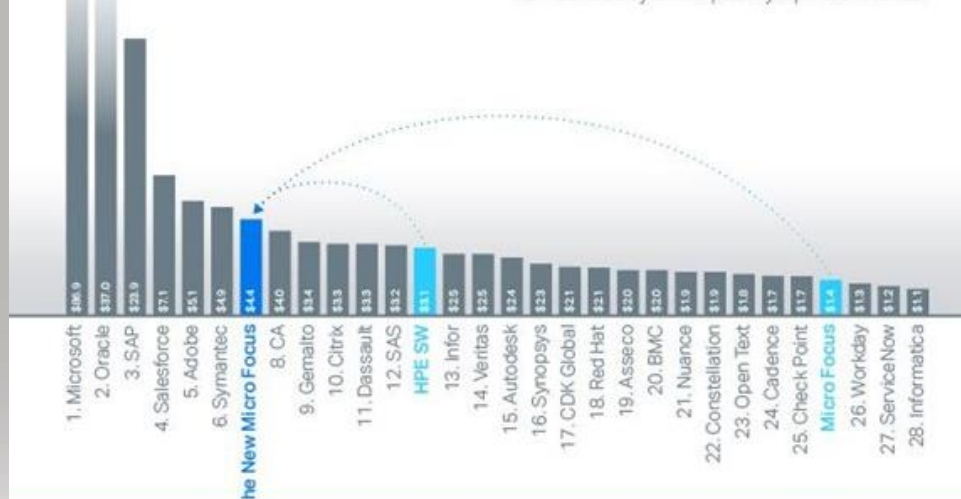


**Hewlett Packard
Enterprise**



The 7th largest software company...

*As measured by annual publicly reported revenue



#DiscovertheNew



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Big Data, AI & Machine Learning

Big Data, Artificial Intelligence and Machine learning are rapidly impacting businesses and customers, another massive opportunity for you to pivot through technology enablement.

In this session, Todd DeCapua will share how these capabilities are being leveraged in Performance Engineering now, and into the future.



Todd DeCapua

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A dark gray world map is centered in the background of the slide. A horizontal dotted line is positioned above the main title.

VIVIT SIG TALK:

Big Data, Machine Learning and Artificial Intelligence

Todd DeCapua

December 2017



EffectivePerformanceEngineering.com



#VivitSIGTalk

2018 SIG Talk - Quality and Testing Schedule

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All 12 Months of 2018
2nd Tuesday at 12noon ET
Every Session: 3-5 Talks, 12-15 Minutes Each
Do You Have A Talk Yet?

<http://bit.ly/2iH38Et>

Agenda

Big Data / Machine Learning / Artificial Intelligence

1. I am sick of the hype
2. Big Data / Machine Learning / Artificial Intelligence
3. Let's take a closer look
 1. Introduction
 2. Deep Dive
 3. Future and How-To's
4. Summary and Next Steps



big data

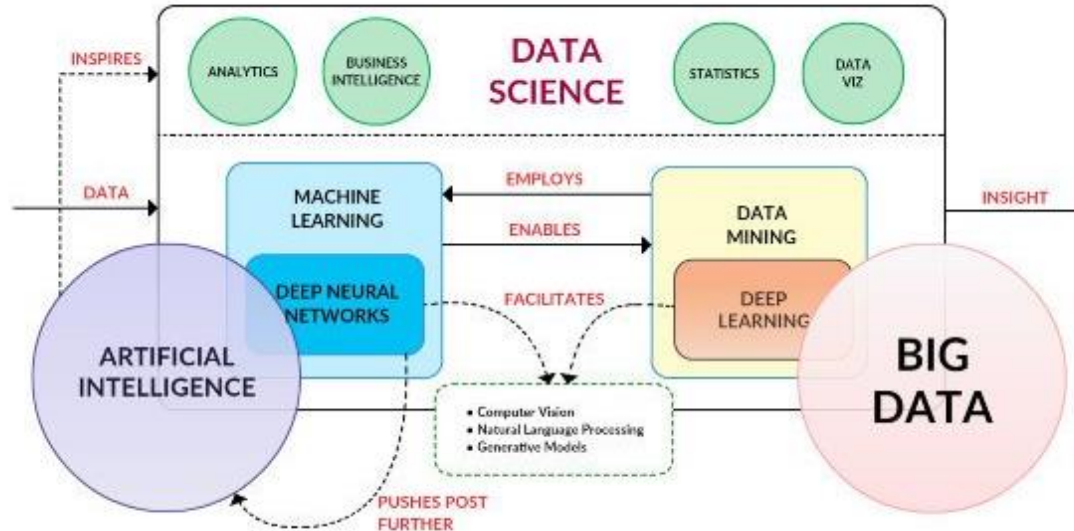
plural noun

1. (**computing**) data held in such large amounts that it can be difficult to process

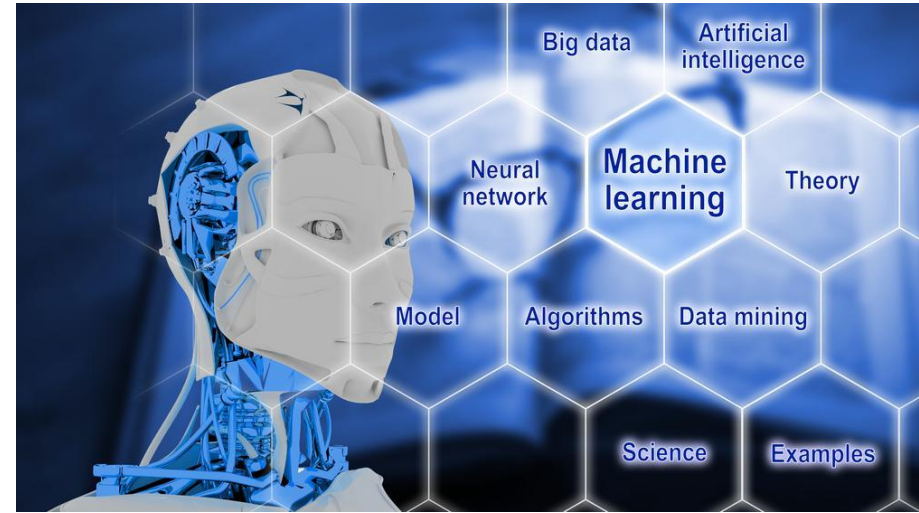
Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. **Machine learning** focuses on the development of computer programs that can access data and use it learn for themselves.

Definition of ARTIFICIAL INTELLIGENCE

- 1 : a branch of computer science dealing with the simulation of intelligent behavior in computers
- 2 : the capability of a machine to imitate intelligent human behavior



1. Do we know all the data points?
2. Have all the algorithms been defined?
3. Where are all the 'processing engines'?
4. Are there unique protocols?
5. What are the volumes / size of data?
6. How do we create, reset and refresh?



The AI reset

75% of early AI projects will underwhelm due to operational oversights.

[FORRESTER.COM/PREDICTIONS](https://forrester.com/predictions)



How-To's

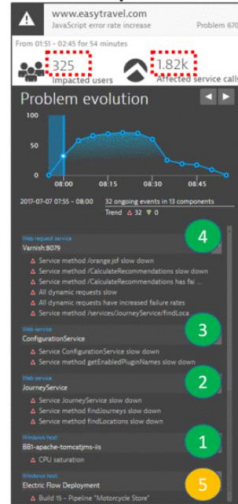
1. Define the objective(s)
2. Break down into sub-cycles
3. Map the flow and scenarios
4. Create the environment
5. Create the data
6. Validate algorithm(s)
7. Validate data / feeds
8. Review results

Forrester Quote: [Predictions 2018 – A Year of Reckoning](https://forrester.com/predictions)
“In 2018, 75% of AI projects will underwhelm because they fail to model operational considerations, causing business leaders to reset the scope of AI investments — and place their firms on a path to realizing the expected benefits.”

<https://go.forrester.com/2018-predictions/>

<https://www.dynatrace.com/blog/auto-mitigation-with-dynatrace-ai-or-shall-we-call-it-self-healing>

Improve MTTR: Automate Mitigate with AI Data



Rescale at 2AM?

Auto Mitigate!



- 1 CPU Exhausted? Add a new service instance!
- 2 High Garbage Collection? Adjust/Revert Memory Settings!
- 3 Issue with BLUE only? Switch back to GREEN!
- 4 Hung threads? Restart Service!
- ? Impact Mitigated? Update Dev Tickets
- 5 Still ongoing? Initiate Rollback! Mark Bad Commits
- ? Still ongoing? Escalate

AI Detected Problem details allow us to build smarter automated mitigation actions. No need to wake up engineers at 2AM every time a problem happens.

Our point of the webinar was that with the Dynatrace AI (Artificial Intelligence) analyzed data, we can trigger and build much smarter Auto Mitigation actions. Here are our thoughts



@AppPerfEng

Thank You



EffectivePerformanceEngineering.com

Virtual Table Server

Virtual Table Server (VTS), in days of Mercury Interactive, was the often overlooked repository for dynamically updated real-time test data.

Even after a revamp and relaunch in 2014, many people still don't use it (they should).

Richard's VTS demo will help you to get started with this great add-on for LoadRunner and Performance Center.

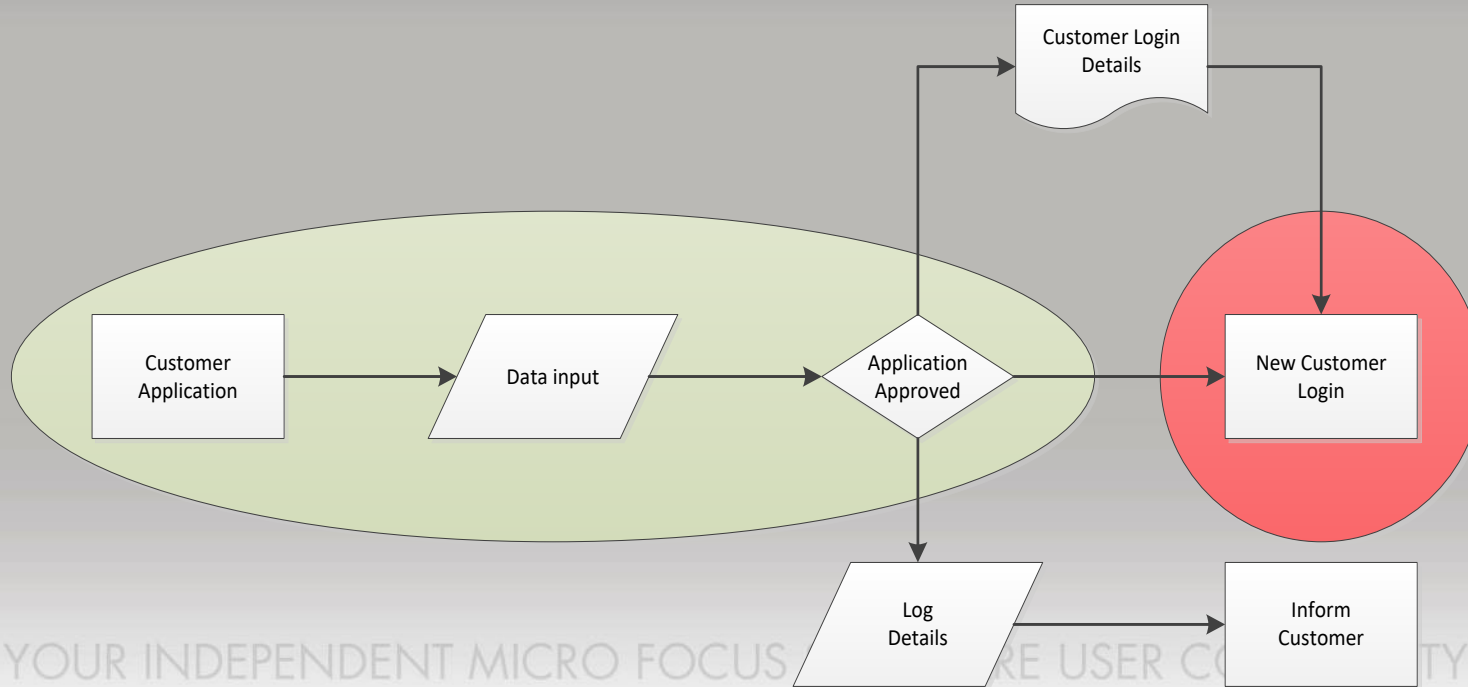


Richard Bishop



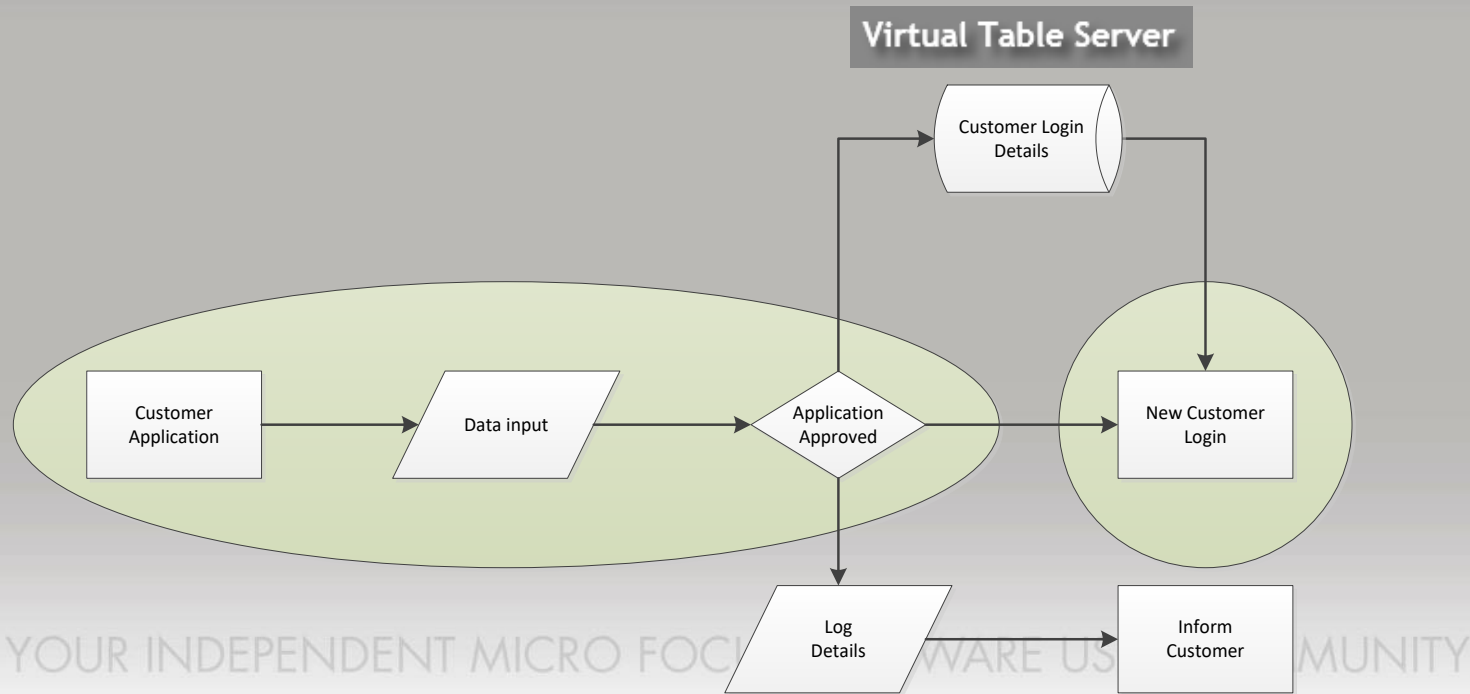
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Why VTS?



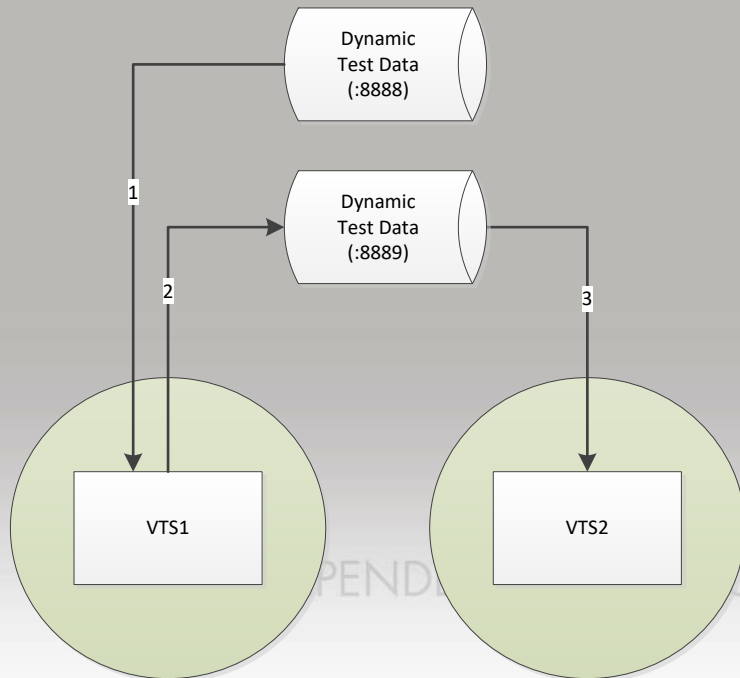
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Why VTS?



Virtual Table Server

Virtual Table Server



1. The first script (VTS1) takes in a row of customer information from a VTS table containing VTS sample data and appends a timestamp (to simulate a business process).
2. The VTS1 script then writes information out to the second VTS instance on port 8889
3. The VTS2 script then takes the "newly created data" from the second VTS instance demonstrating the "real-time" consumption of test data.

VTS Demo

hp Virtual Table Server Admin x Richard

127.0.0.1:4000

hp Virtual Table Server Options | Help

Server Name: 127.0.0.1 API Access Port: 8888 Access from Script: ☒ Enabled

Import Export Column Actions Delete Table Refresh search in table

	CustomerID (30)	CompanyName (30)	ContactName (30)	ContactTitle (30)	Address (30)	City (30)	Region (30)	PostalCode (30)	Country (30)	Phone (30)	Fax (30)
1	QUEEN	Queen Cozinha	Lúcia Carvalho	Marketing Assistant	Alameda dos Cana	Sao Paulo	SP	05487-020	Brazil	(11) 555-1189	
2	QUICK	QUICK-Stop	Horst Kloss	Accounting Manager	Taucherstraße 10	Cunewalde		01307	Germany	0372-035188	
3	RANCH	Rancho grande	Sergio Gutiérrez	Sales Representative	Av. del Libertador	Buenos Aires		1010	Argentina	(1) 123-5555	(1) 123-5556
4	RATTC	Rattlesnake Canyon	Paula Wilson	Assistant Sales Rep	2817 Milton Dr.	Albuquerque	NM	87110	USA	(505) 555-5939	(505) 555-3620
5	REGGC	Reggiani Caseifici	Maurizio Moroni	Sales Associate	Strada Provinciale	Reggio Emilia		42100	Italy	0522-556721	0522-556722
6	RICAR	Richter Supermarkt	Michael Holz	Sales Manager	Grenzacherweg 23	Geneve		1203	Switzerland	0897-034214	
7	RICSU	Romero y tomillo	Alejandro Camino	Accounting Manager	Gran Vía, 1	Madrid		28001	Spain	(91) 745 6200	(91) 745 6210
8	ROMEY	Save-a-lot Markets	Jose Pavarotti	Sales Representative	187 Suffolk Ln.	Boise	ID	83720	USA	(208) 555-8097	
9	SANTG	Seven Seas Imports	Harri Kumar	Sales Manager	90 Wadhurst Rd.	London		OX15 4NB	UK	(171) 555-1717	(171) 555-5646
10	SAVEA	Simons bistro	Jytte Petersen	Owner	Vinbæltet 34	Kobenhavn		1734	Denmark	31 12 34 56	31 13 35 57
11	SEVES	Spécialités du mon	Dominique Perrier	Marketing Manager	25, rue Lauriston	Paris		75016	France	(1) 47.55.60.10	(1) 47.55.60.20
12	SIMOB	Split Rail Beer & A	Art Braunschweiler	Sales Manager	P.O. Box 555	Lander	WY	82520	USA	(307) 555-4680	(307) 555-6525
13	SPECD	Suprêmes délices	Pascale Cartrain	Accounting Manager	Boulevard Tirou, 2	Charleroi		B-6000	Belgium	(071) 23 67 22 20	(071) 23 67 22 21
14	THEBI	The Big Cheese	Liz Nixon	Marketing Manager	89 Jefferson Way S	Portland	OR	97201	USA	(503) 555-3612	
15	THECR	The Cracker Box	Liu Wong	Marketing Assistant	55 Grizzly Peak Rd	Butte	MT	59801	USA	(406) 555-5834	(406) 555-8083
16	TOMSP	Toms Spezialitäten	Karin Josephs	Marketing Manager	Luisenstr. 48	Münster		44087	Germany	0251-031259	0251-035695
17	TORTU	Tortuga Restaurant	Miguel Angel Paolir	Owner	Avda. Azteca 123	México D.F.		05033	Mexico	(5) 555-2933	
18	TRADH	Tradição Hipermerc	Anabela Domingue	Sales Representative	Av. Inês de Castro,	Sao Paulo	SP	05634-030	Brazil	(11) 555-2167	(11) 555-2168

Page 1 Total Records: 30



StormRunner Functional

StormRunner Functional is the latest functional test offering from Micro Focus.

In this session, Chris Trimper, an early adopter and beta tester, will share his experiences with this new product



Chris Trimper

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Show and Tell

STORM RUNNER FUNCTIONAL

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Why

- Web is a pain
- Devices are a pain
- Functional Automators are Lazy

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How it can help

Explore

Execute

Report

Record

Web

Mobile

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Explore

- Any OS / Browser
- Devices
- On Demand

Web Windows #12 START

OWNER: Chris Timper EDITOR: 15

AUTHOR: Chris Timper TYPE: Web

CHANNEL: Select your channel

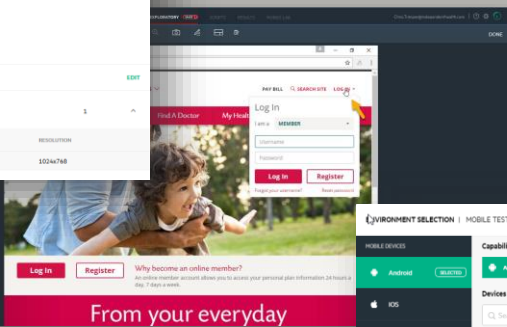
TAGS: ADD TAG

LATEST BUILDS APPLICATION MODULES ENVIRONMENTS

1 environments

Desktop Browsers

OS	BROWSER	VERSION	RESOLUTION
Windows 10	Chrome	56	1024x768



ENVIRONMENT SELECTION | WEB TEST

DESKTOP

Windows 10 SELECTED

Windows Chrome Firefox

Mac Firefox

Windows 8.1

Linux

DESKTOP BROWSERS (3)

Windows 10

BROWSER VERSION RESOLUTION

Chrome latest 800x600

beta 1024x768

60 1280x1024

59 1366x768

58 1600x900

ENVIRONMENT SELECTION | MOBILE TEST

MOBILE DEVICES

Capabilities

ADD MOBILE

Devices

Search

Sony Z3 - HPE Private E... 25.0.0.1 Sony E6653

MOBILE DEVICES (1)

Specific Device

VERSION	MODEL	NAME & ID	AVAILABILITY
4.0.1	Sony E6653	Sony Z3 - HPE Private Dev... ID BH0002465	Available

APPLICATIONS (1)

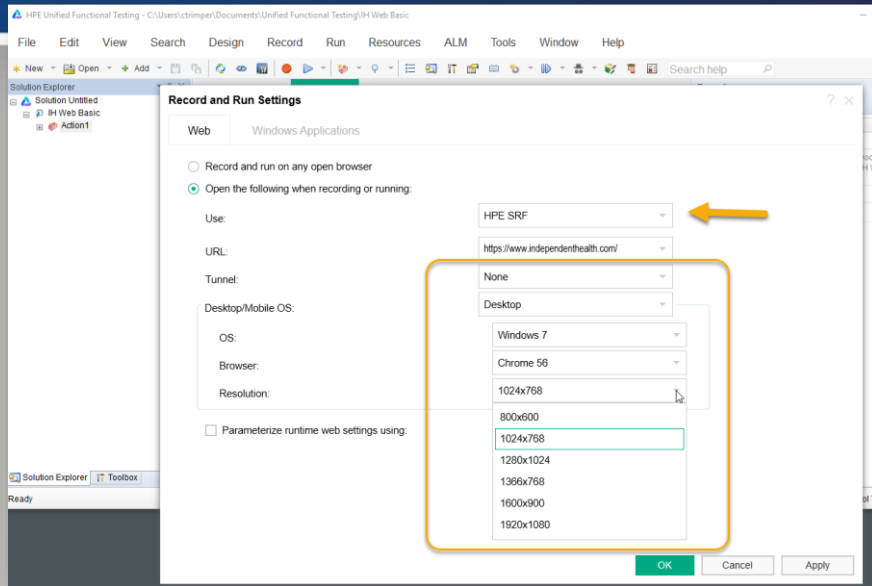
ADVANCED Uninstall Install Retain Start test from Visit Mobile App

VERSION	NAME	USE PACKAGED VERSION	UPLOAD
172380	Visit Mobile App	Use Packaged Version	Upload 1 8/21/17 04:14 PM

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Execute



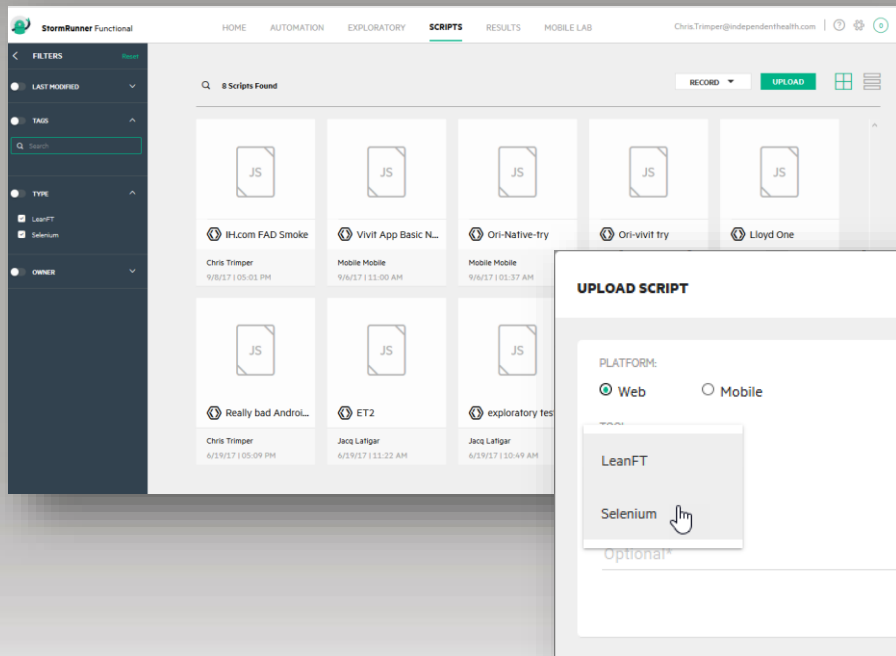
Web

- Cross Browser
- Various screen resolutions
- Various operating systems



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Execute



Remote

- UFT -> SRF
- LeanFT -> SRF
- Selenium -> SRF

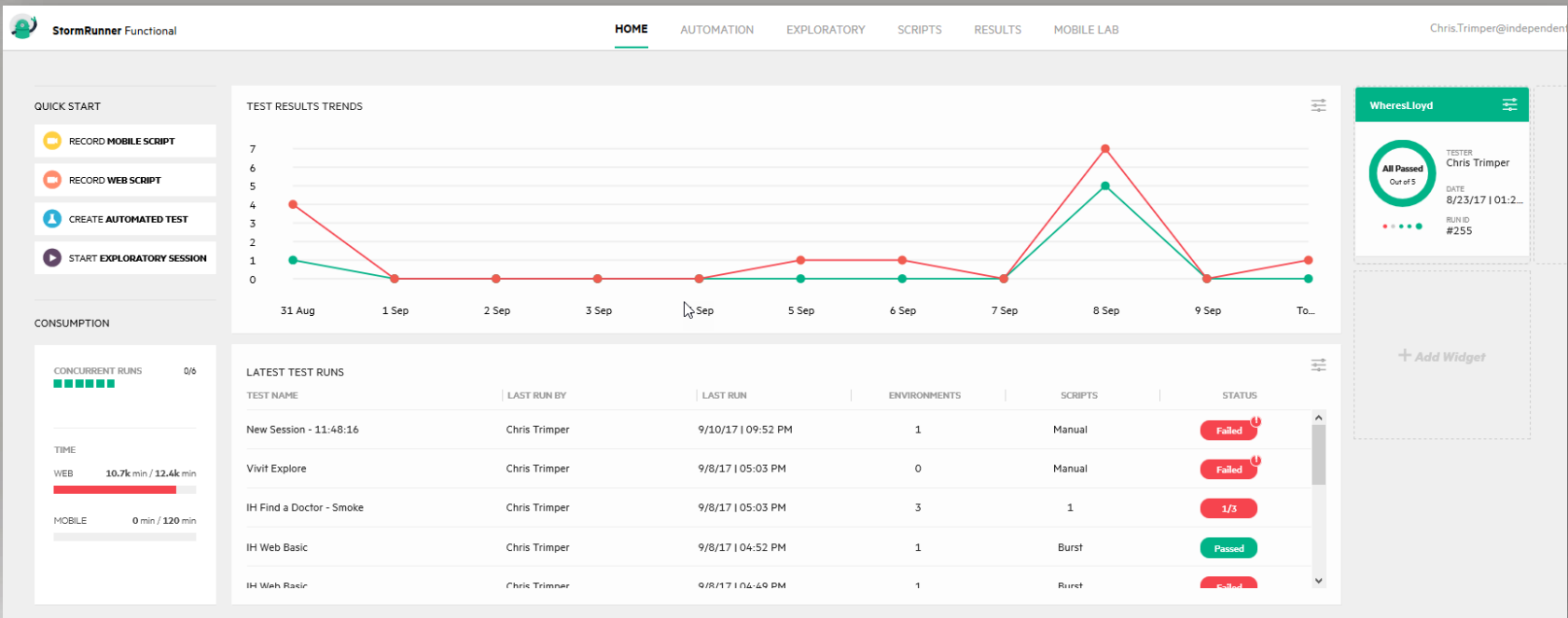
Upload

- UFT -> SRF
- LeanFT via SRF
- Selenium via SRF

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Report

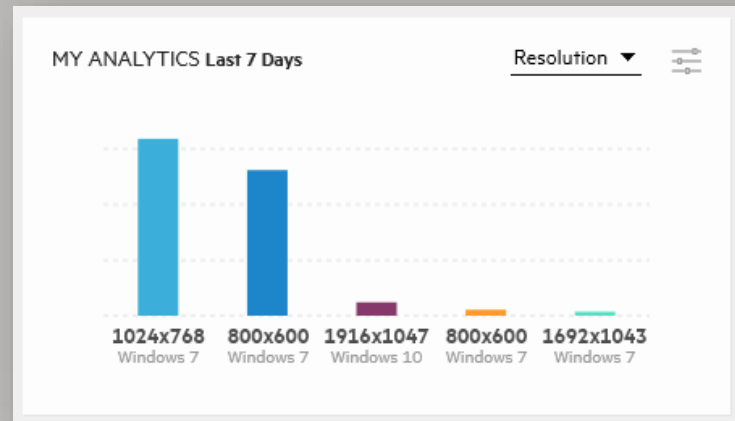
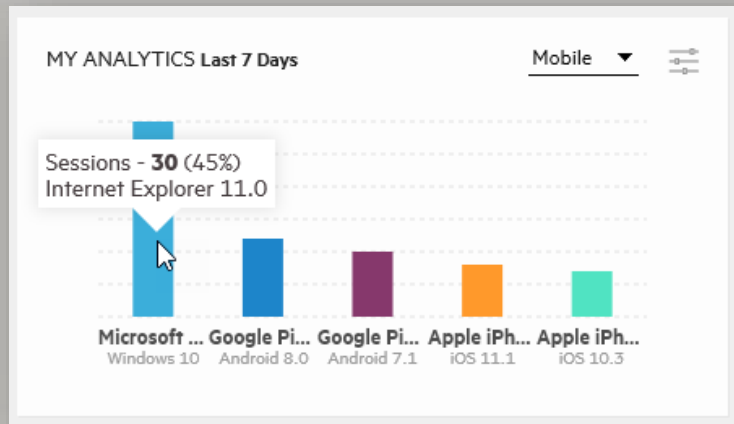


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Analyze



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Record

The screenshot displays the Vivit StormRunner Functional testing environment. The main window shows a recorded script titled "Simple Google Search" with the following code:

```
1 var LFT = require('lft');
2 var DOM = LFT.DOM;
3 var web = LFT.web;
4 var $ = LFT.$;
5 var whenDone = LFT.whenDone;
6 var verify = require('assert').strict;

8 describe('demo', function() {
9   var browser;
10   before(function() {
11     browser = LFT.launch('chrome');
12     whenDone(browser);
13   });
14   beforeEach(function() {
15     LFT.beforeTest();
16   });
17   web.browser.launch('chrome').then(function() {
18     browser = $;
19     whenDone(browser);
20   });
21   it('should work', function() {
22     browser.url('https://www.google.com/');
23     var search = browser.$(web.$('#q'));
24     search.setValue('robots');
25     var robots = browser.$(web.$('#rsr'));
26     verify(robots.tagName(), 'input');
27     verify(robots.type(), 'text');
28     verify(robots.value(), 'robots');
29   });
30 });
```

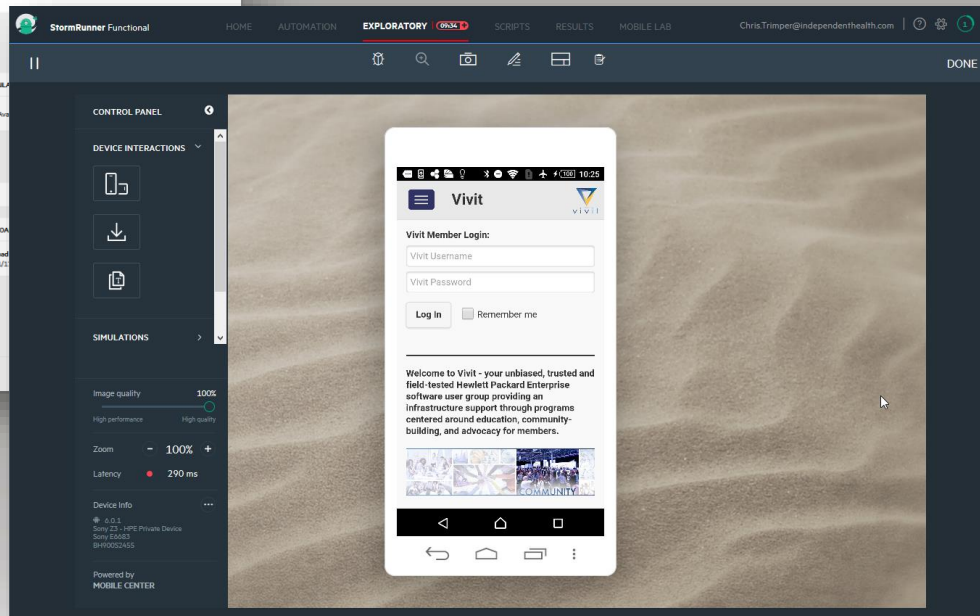
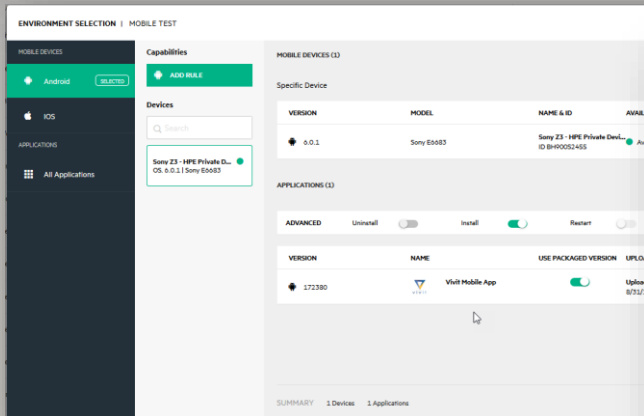
The left sidebar shows the script's execution steps:

- 1. Launch Chrome browser (8.627 sec)
- 2. Navigate to URL, 'https://www.google.com/' (801 ms)
- 3. Set the 'Search' text to 'robots' (1.840 sec)
- 4. VerifyElementTagName (20.964 sec)
- 5. Close the browser window (1.509 sec)

The right sidebar shows the script's execution results, including a "Spec should work" section with a red status icon.



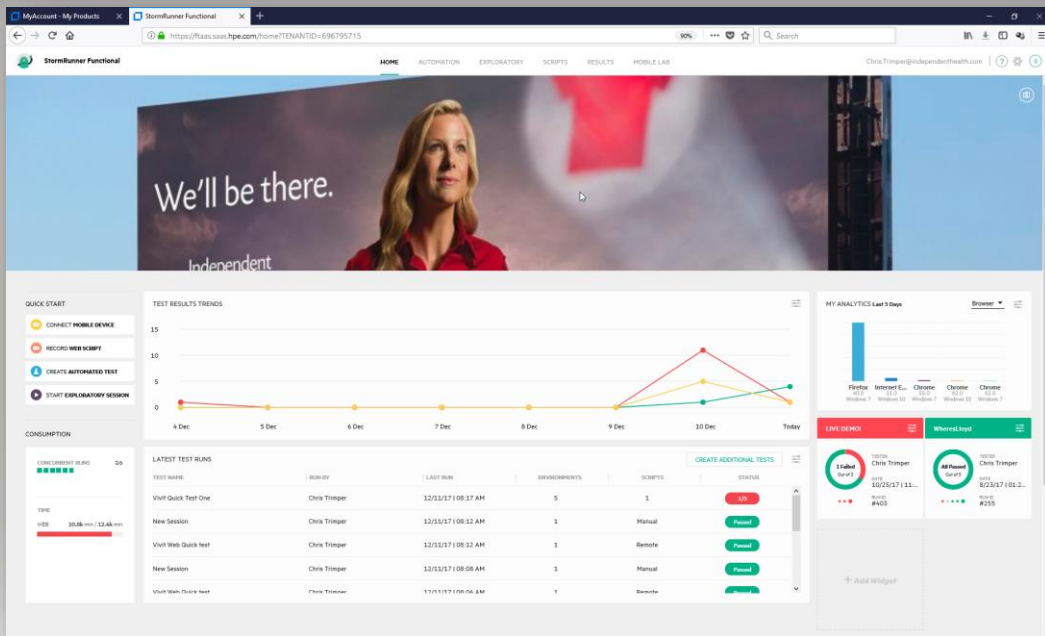
Mobile Too



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Demo Time



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#VivitSIGtalks



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Upcoming Vivit Webinars

December 13, 2017

Managing Compliance and Risk with Data Center Automation

8:00 - 9:00 AM PDT (Los Angeles), 11:00 - 12:00 PM EDT (New York), 17:00 - 18:00 CET (Frankfurt)

<https://vivitworldwide.site-ym.com/events/EventDetails.aspx?id=1037830&group=>

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Thank you
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Thank you

Please complete the short survey so we can better serve our community.

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Thank You
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