

Ix Autotest

Client: Ixia Technologies

Date: August 2016

Service: Web Platform

Purpose :

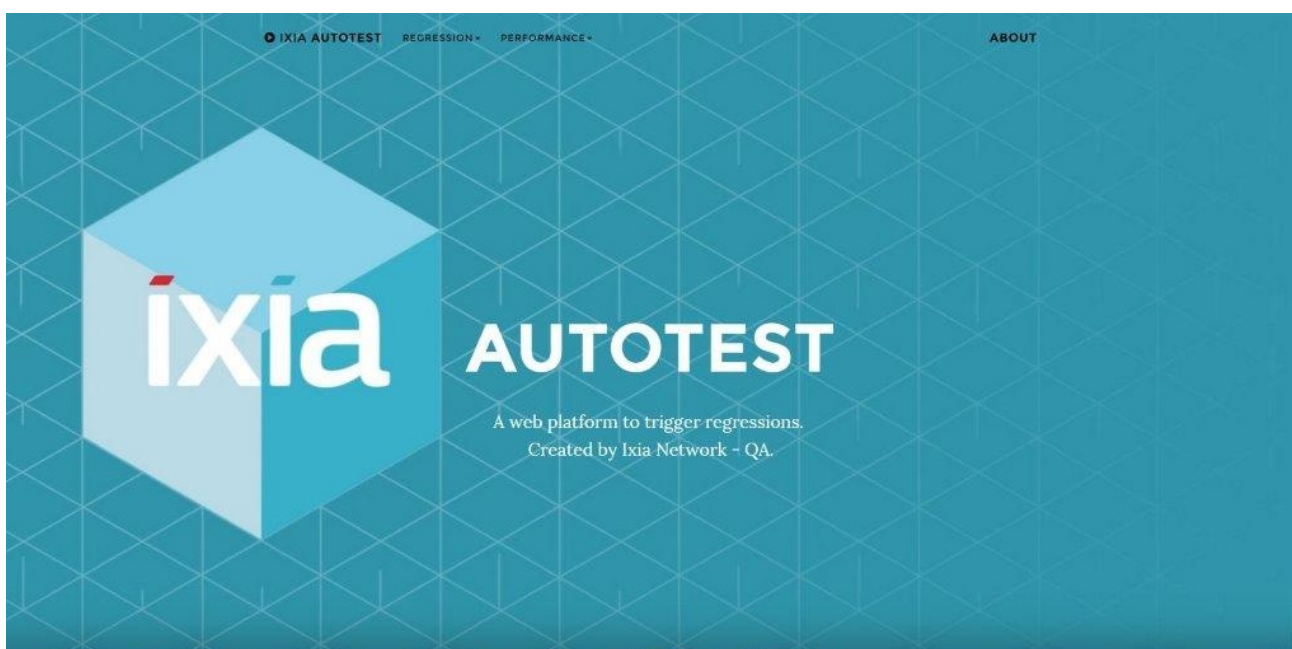
- Uninstall/Install candidate builds of their product Ix Network.
- Automate triggering of four types of regression/performance tests by python scripts.
- Develop a web-platform to trigger the run the automating scripts from a UI.

Softwares Used :

- Python 2.7
 - Django 1.9
 - Celery
 - Paramiko
 - Django-ajax
 - Flower
 - Rabbitmq-Server
 - Fabric
- JQuery
- Ajax
- CSS
- HTML
- Bootstrap
- Database Used : sqlite3 and django ORM for query tasks.

Screenshots : (live link is not given because it is an internal site, which is restricted for public view or use)

Home Page



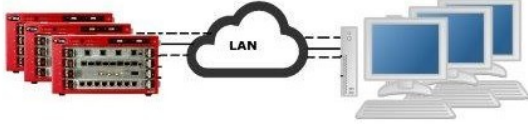
Installation Page

IXIA AUTOTEST

REGRESSION

PERFORMANCE

ABOUT



CHASSIS LIST

IP Address	Pythar Port	Status	Progress
10.216.108.130	8000	Machine is Idle	N/A
10.216.108.77	8000	Machine is Idle	N/A

CLIENT LIST

IP Address	Pythar Port	Status	Progress
10.216.108.14	8321	Machine is Idle	N/A
10.216.108.34	8000	Machine is Idle	N/A
10.216.108.86	8000	Machine is Idle	N/A

WELCOME BACK! PLEASE ENTER BUILD NUMBERS

IX OS:

IX Network:

INSTALL BUILDS

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Regression-Island List (bundle of testcases means Island)

IXIA AUTOTEST

REGRESSION

PERFORMANCE

ABOUT

ISLAND LIST

The build in which your test will run is IXOS : 8.12.3228.16 IXN : 8.12.1052.32

Island Name	Owner	Linux IP	Linux User	Chassis	Client	Status	Edit	Run	Kill
NGPF-HL-API	Abhijit Dhar	10.216.108.140	cpfPyLe	10.216.108.130	10.216.108.14	Idle	EDIT	RUN	KILL
					10.216.108.34				
CLASSIC-PYTHAR-B2B	Rupam Paul	10.216.104.243	b2b	10.216.108.130	10.216.108.86	Idle	EDIT	RUN	KILL
NGPF-PYTHAR-B2B	Deepak Singh	10.216.108.132	cpf-b2b	10.216.108.77	10.216.108.14	Idle	EDIT	RUN	KILL
CLASSIC-NEWTCL-CISCO1	Rudra Dutta	10.216.108.132	cisco1	10.216.108.130	10.216.108.14	Idle	EDIT	RUN	KILL

White rows for Non-Pythar and Blue rows for Pythar.

***Running tasks are green rows.

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Editing Tool

IXIA AUTOTEST

REGRESSION

PERFORMANCE

ABOUT

EXIT

NGPF-PYTHAR-B2B

Linux IP
Username
Owner

10.216.106.132
cyp-b2b
Deepak Singh

SETTINGS.PY

Do not need to change the build numbers. It will be updated in runtime

```
1 # All test logs will be created under this directory at runtime
2 LOGLEVEL      = 'DEBUG'
3 # All test logs will be created under this directory at runtime
4 LOG_PATH_PREFIX = 'regress_logs'
5
6 IxNetVersion    = '8.10.1040.0'
7 IxNetPath       = '8.10-EA'
8 #IxNetAbsolutePath = 'C:\Program Files (x86)\Ixia\IxNetwork\7.0-EA'
9 IxOSVersion     = '8.10.1250.4'
10
11 DEFAULT_TIMEOUT = 600
12 # Freeze on fail for client debug on any test fail
13 #DEFAULT_TIMEOUT = 0      # freeze on fail for client debug on any test fail
```

SAVE

RUN.SH

Do not need to change source line if exists. It will be updated in runtime

```
1 source /home/builds/env.sh 8.10.1040.6Linux64.bin
2
3
4 export REGR_IN_FTP_SERVER="10.216.105.170"
5 export REGR_IN_MOUNT_DIR="/ixtest/IxTest_New/IxNetwork"
6 export REGR_IN_FTP_USER=ixia
7 export REGR_IN_FTP_PASS=ixia
8 export REGR_IN_IPN=8.10.1040.6
9 export REGR_IN_IPNS=8.10.1250.4
10 export REGR_IN_ISLAND_NAME="NGPF-PYTHAR-B2B"
11
12 rm -f ./pythar.log
13 rm -f ~/autoregrb/regression-suits/regress-test/regression.log
14 rm -f ./*.csv
15 rm -f settings.pvc
```

SAVE

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Github Link : [Ixautotest](#)