PRL Mobile Jenkins KT

Written by David L. Whitehurst for MS3-Inc (Mountain State Software Solutions)

**Introduction**

This is a document to assist with the knowledge transfer of my work with Ralph Lauren and the Mobile application's Jenkins suite of jobs.At the following URL http://104.239.226.248/jenkins exists a running Jenkins instance to support the Polo Ralph Lauren mobile websites. The jobs described below are all collected under the New-Prod tab on the main Jenkins page. I created the Non-Prod tab (view) to only show new, modified, or existing jobs for the exercise of deploying sprints 49, 50 and new Amazon VPCs. We will cut over the new VPC (AWS only) to the production environment on May 10, 2017 at 8:00 PM EDT.I followed a strict naming convention and collected like-minded jobs under parent jobs that will be scheduled. All of the scheduled jobs (cache clears) are emailed to James Kim, Karishma Bhatia, and Jason Sauser only at this time. This can be modified by whoever takes responsibility for

Jenkins. Also, only cache clear jobs are scheduled for automation. The build related jobs (tasks) must be run manually.

**Build Process (Manual)**

The build process consists of 3 steps, 1) build and package the application, 2) transfer (net synch) the content to net storage locations in the cloud, and 3) clear all network caches so users get latest content. The jobs listed here must be run manually and also before they are run, the configuration should be inspected and reviewed. It's important that the build pulls the correct branch from the git repository.

**Entire Mobile Application (EU,US)**

1. prod\_mobile\_build
2. prod\_mobile\_netstorage\_synch

Please note that prod\_mobile\_cache\_clear (child job) is called from prod\_mobile\_netstorage\_synch and it clears all mobile application caches for

EU and US.

**Cache Clears (Automated)**

The cache clear jobs are a little confusing but I'll try to explain what's been happening in a time-oriented fashion beginning the day in New York at12:00 AM EDT. At 12:30 AM, the inventory caches are being cleared for US. Then at 12:45, Akamai's catalog caches for the EU occur. At 1:00 AM the EU Elasticache Lambda, CloudFront inventory, and Akamai Site caches are cleared. All caches for EU occur between 12:45 and 1:00 AM EDT. The EU inventory caches are also cleared again at 7:00 AM, 1:00 PM, and 7:00 PM (every 6 hours). At 6:15 AM the catalog caches for US are cleared. Then at 6:30 AM the US Elasticache Lamba, CloudFront inventory, and Akamai site caches are cleared. The US inventory caches are also cleared again at 12:30 PM, 6:30 PM, and 12:30 AM the next day (again every 6 hours).

**European Union (EU)**

**prod\_mobile\_cache\_clear\_EU (Once Daily 1:00 AM EDT )**

prod\_lambda\_elasticache\_clear\_EU

prod\_lambda\_elasticache\_clear\_deDE

prod\_lambda\_elasticache\_clear\_enDE

prod\_lambda\_elasticache\_clear\_enFR

prod\_lambda\_elasticache\_clear\_enGB

prod\_lambda\_elasticache\_clear\_frFR

prod\_lambda\_elasticache\_clear\_itFR

prod\_akamai\_site\_cache\_clear\_EU

prod\_akamai\_site\_cache\_clear\_DE

prod\_akamai\_site\_cache\_clear\_FR

prod\_akamai\_site\_cache\_clear\_enGB

prod\_cloudfront\_inventory\_cache\_clear\_EU

prod\_cloudfront\_inventory\_cache\_clear\_deDE

prod\_cloudfront\_inventory\_cache\_clear\_enDE

prod\_cloudfront\_inventory\_cache\_clear\_enFR

prod\_cloudfront\_inventory\_cache\_clear\_enGB

prod\_cloudfront\_inventory\_cache\_clear\_frFR

prod\_cloudfront\_inventory\_cache\_clear\_itFR

00 5 \* \* \*( need to add 4 like 1 + 4 = 5)

**prod\_mobile\_catalog\_cache\_clear\_EU (Once Daily 12:45 AM EDT)**

prod\_akamai\_catalog\_cache\_clear\_DE

prod\_akamai\_catalog\_cache\_clear\_FR

prod\_akamai\_catalog\_cache\_clear\_enGB

45 4 \* \* \*

**prod\_mobile\_inventory\_cache\_clear\_EU (Three Times Daily 7:00AM, 1:00PM, 7:00PM EDT)**

prod\_cloudfront\_inventory\_cache\_clear\_EU

prod\_cloudfront\_inventory\_cache\_clear\_deDE

prod\_cloudfront\_inventory\_cache\_clear\_enDE

prod\_cloudfront\_inventory\_cache\_clear\_enFR

prod\_cloudfront\_inventory\_cache\_clear\_enGB

prod\_cloudfront\_inventory\_cache\_clear\_frFR

prod\_cloudfront\_inventory\_cache\_clear\_itFR

prod\_mobile\_catalog\_cache\_clear\_EU

prod\_akamai\_catalog\_cache\_clear\_DE

prod\_akamai\_catalog\_cache\_clear\_FR

prod\_akamai\_catalog\_cache\_clear\_enGB

prod\_akamai\_site\_cache\_clear\_EU

prod\_akamai\_site\_cache\_clear\_DE

prod\_akamai\_site\_cache\_clear\_FR

prod\_akamai\_site\_cache\_clear\_enGB

**United States (US)**

**prod\_mobile\_cache\_clear\_US (Once Daily 6:30 AM EDT)**

prod\_lambda\_elasticache\_clear\_US

prod\_lambda\_**elasticache**\_clear\_enUS

prod\_akamai\_site\_cache\_clear\_US

prod\_akamai\_site\_cache\_clear\_enUS

prod\_cloudfront\_inventory\_cache\_clear\_US

prod\_cloudfront\_inventory\_cache\_clear\_enUS

30 10 \* \* \*

**prod\_mobile\_catalog\_cache\_clear\_US (Once Daily 6:15 AM EDT)**

prod\_akamai\_catalog\_cache\_clear\_enUS

15 10 \* \* \*

**prod\_mobile\_inventory\_cache\_clear\_US (Three Times Daily 12:30AM, 12:30PM, 6:30PM EDT)**

prod\_cloudfront\_inventory\_cache\_clear\_US

prod\_cloudfront\_inventory\_cache\_clear\_enUS

prod\_mobile\_catalog\_cache\_clear\_US

prod\_akamai\_catalog\_cache\_clear\_enUS

prod\_akamai\_site\_cache\_clear\_US

prod\_akamai\_site\_cache\_clear\_enUS

30 4 \* \* \*

30 16 \* \* \*

30 22 \* \* \*

**SOP mobile L2 :**

1. US full site cache clear

* **prod\_mobile\_catalog\_cache\_clear\_US**(wait 15 minutes before triggering next job)
* **prod\_mobile\_cache\_clear\_US**

1. EU full site cache clear

* **prod\_mobile\_catalog\_cache\_clear\_EU**(wait 15 minutes before triggering next job)
* **prod\_mobile\_cache\_clear\_EU**

1. US individual category/product id cache clear

- prod\_mobile\_parametrized\_cache\_clear\_US

1. EU individual category/product id cache clear

- prod\_mobile\_parametrized\_cache\_clear\_EU

Locales: en\_GB ,fr\_FR,it\_FR,en\_FR,de\_DE,en\_DE

1. Build

* **prod\_mobile\_build** (build and package the application)

Branch name:

\*/sprint\_qa1\_frontend

1. Deployment

Front deployment job Name

* **prod\_mobile\_netstorage\_synch** (transfer the content to net storage locations in the cloud, and clear all network caches so users get latest content.)

Back end deployment job name:

# Mobile-prod-AWS-Lambda-Deploy

Types of cache:

1. Akamai site
2. Mobile Catalog cache
3. Akamai catalog
4. Cloud front Inventory cache
5. Lamda elastic cache

1. Build(takes around 20 mnts)- prod\_mobile\_build -

2. Sync(takes very less time) - prod\_mobile\_netstorage\_synch

          or 4 individual sync job:

1. production\_netstorage\_sync\_de\_de\_only

2.production\_netstorage\_sync\_en\_gb\_only

3.production\_netstorage\_sync\_fr\_fr\_only

4.productioncrf\_netstorage\_sync\_en\_us\_only

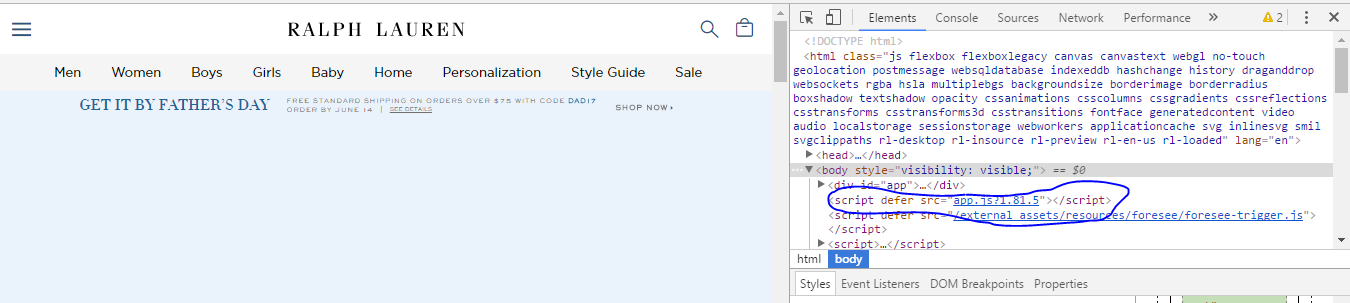
cache clear job:

Prod\_mobile\_cache\_clear\_US

Prod\_mobile\_cache\_clear\_EU

L3 team will provide branch name and version number

To verify deployment code version please see below screen shots(need to check for each locale UK US DE FR)



# To check the version in chrome press F12 and then rightclick on page header and click inspect element.

# Old version: 1.81.5

# Branch: \*/sprint\_qa1\_frontend

# 07/05/2017

Version: 1.82.0

Branch name for FE deploy – sprint52\_prod\_release

Branch name for Backend Deploy – sprint52\_backend\_prod

\*/sprint52\_prod\_release