# Links

EweGitHub - <https://ewegithub.sb.karmalab.net/a-mivanhoff/ewe_relcal>

Repository for the source code.

Jenkins Build - <http://ewe.builds.sb.karmalab.net/view/All/job/relcal_master/>

Clicking Build packages the ewe\_relcal files into a deliverable, placed where the Chef cookbook is coded to look.

Chef Cookbook - <https://github.com/ExpediaInc/exp-devops/tree/master/chef-repo/cookbooks/relcal>

Cookbook

Deploy Instance - <https://ewe.deploy.sb.karmalab.net:8443/job/ewetest_create-instance/>

This creates a new AWS Instance with the Release Calendar installed as a service and running.

Click on ‘Build with Parameters’.

Enter ‘relcal’ for ROLE\_NAME.

Enter ‘us-west-2c’ for ZONE.

Enter ‘ReleaseManagement’ for TEAM\_NAME.

Leave the last two fields empty unless you want to add a remark, and click Build.

Delete Existing Instance - <https://ewe.deploy.sb.karmalab.net:8443/job/ewetest_destroy-instances/>

Use the AWS Portal (below) to find running instances starting with ‘relcal’.

Capture the Instance ID you want to delete.

Click on ‘Build with Parameters’.

Enter the captured Instance ID in INSTANCE\_IDs.

Pick ‘us-west-2’ from the dropdown.

Click ‘Build’.

Find Instance in AWS – <http://awsportal/>

Click “Combined AWS Policy Access” in the row with ‘EWE\_TEST’.

You may need to request access.

Click ‘EC2’ under the ‘Compute’ heading.

In the top bar next to your login name, select ‘Oregon’ (aka US West (Oregon)).

Under the ‘Resources’ heading, click ‘Running Instances’.

While it looks like a table showing counts, it is also a hyperlink.

In the ‘Filter by tags and attributes or search by keyword’ search field, enter ‘relcal’ and hit ‘Enter’.

All running instances with ‘relcal’ now show.

While they can be deleted directly here, it is better to use the “Delete Existing Instance” Jenkins job above.

# Installation

* Chef Notes
  + Chef Image Account
    - Username: vagrant
    - Password: vagrant
  + Reloading image with changed recipe in Sandbox Environment
    - chef-repo/cleanup-chef-node.cmd <recipe>-<hosttype> [reldash-amzlinux]
    - knife cookbook delete <recipe> -y [reldash]
    - knife cookbook upload <recipe> [reldash]
    - vagrant up <recipe>-<hosttype> [reldash-amzlinux]

# Release Calendar

## Query notes:

active=true^

u\_coordinator\_groupSTARTSWITHLodging^OR

u\_coordinator\_groupSTARTSWITHRevenue^OR

u\_coordinator\_groupSTARTSWITHGeography^

short\_descriptionLIKERelease^OR

short\_descriptionLIKESoak^

short\_descriptionNOT LIKEIPU^OR

short\_descriptionNOT LIKESitesup^

approval=requested^OR

approval=approved^

start\_dateBETWEENjavascript:gs.monthsAgoStart(3)@javascript:gs.monthsAgoEnd(-3)

u\_coordinator\_groupSTARTSWITHLodging,^OR

u\_coordinator\_groupSTARTSWITHLodging Inventory^OR

u\_coordinator\_groupSTARTSWITHRevenue^OR

u\_coordinator\_groupSTARTSWITHGeography^OR

u\_coordinator\_groupSTARTSWITHPackage^OR

u\_coordinator\_groupSTARTSWITHExpedia Web Services^

short\_descriptionLIKERelease^

short\_descriptionNOT LIKEIPU

<https://expedia.service-now.com/change_request_list.do>

?sysparm\_query=

active%3Dtrue%5Estate%3D-2%5EOR

state%3D1%5EOR

state%3D7%5E

assignment\_group.parent%3D6dba7db3b5d4300062a99abd192359f1%5EOR

short\_descriptionLIKEE\*%5EOR

short\_descriptionLIKEExpWeb%5EOR

short\_descriptionLIKEExpweb%5EOR

short\_descriptionLIKEEWE%5EOR

u\_coordinator\_group%3D6dba7db3b5d4300062a99abd192359f1%5E

Scheduled Start Date on Today

start\_dateONToday%40javascript%3Ags.daysAgoStart(0)%40javascript%3Ags.daysAgoEnd(0)%5E

Scheduled Start Date between 03-12-2015 6:00:00 AM and 03-12-2015 6:59:59 AM (Taken at or near 6:00 AM)

start\_dateBETWEENjavascript%3Ags.hoursAgoStart(0)%40javascript%3Ags.hoursAgoEnd(0)

start\_dateBETWEENjavascript:gs.hoursAgoStart(0)@javascript:gs.hoursAgoEnd(0)

Scheduled Start Date between 3 months ago and 3 months ahead

start\_dateBETWEENjavascript:gs.monthsAgoStart(3)

start\_dateBETWEENjavascript%3Ags.monthsAgoStart(2)%40javascript%3Ags.monthsAgoEnd(-2)

active=true^

state=-2^OR

state=1^OR

state=7^

assignment\_group.parent=6dba7db3b5d4300062a99abd192359f1^OR

short\_descriptionLIKEE\*^OR

short\_descriptionLIKEExpWeb^OR

short\_descriptionLIKEExpweb^OR

short\_descriptionLIKEEWE^OR

u\_coordinator\_group=6dba7db3b5d4300062a99abd192359f1^

start\_dateONToday@javascript:gs.daysAgoStart(0)@javascript:gs.daysAgoEnd(0)^

start\_dateBETWEENjavascript:gs.hoursAgoStart(0)@javascript:gs.hoursAgoEnd(0)

https://expedia.service-now.com/change\_request\_list.do?sysparm\_query=active%3Dtrue%5Estate%3D-2%5EORstate%3D1%5EORstate%3D7%5Eassignment\_group.parent%3D6dba7db3b5d4300062a99abd192359f1%5EORshort\_descriptionLIKEE\*%5EORshort\_descriptionLIKEExpWeb%5EORshort\_descriptionLIKEExpweb%5EORshort\_descriptionLIKEEWE%5EORu\_coordinator\_group%3D6dba7db3b5d4300062a99abd192359f1%5Estart\_dateONToday%40javascript%3Ags.daysAgoStart(0)%40javascript%3Ags.daysAgoEnd(0)%5Estart\_dateBETWEENjavascript%3Ags.monthsAgoStart(2)%40javascript%3Ags.monthsAgoEnd(-2)

Selectors:

Coordinator Group Starts with “Lodging”

Or

u\_coordinator\_groupSTARTSWITHLodging^OR

Coordinator Group Starts with “Revenue”

Or

u\_coordinator\_groupSTARTSWITHRevenue^OR

Coordinator Group Starts with “Geography”

Or

u\_coordinator\_groupSTARTSWITHGeography^OR

Coordinator Group Starts with “Package”

Or

u\_coordinator\_groupSTARTSWITHPackage^OR

Coordinator Group Starts with “Expedia Web Services”

Or

u\_coordinator\_groupSTARTSWITHExpedia Web Services^OR

Coordinator Group Contains “EWE - Operations”

Or

u\_coordinator\_groupLIKEEWE - Operations^OR

Coordinator Group Contains “EWE - Development”

Or

u\_coordinator\_groupLIKEEWE - Development^OR

Coordinator Group Contains “EWE - Car Development”

Or

u\_coordinator\_groupLIKEEWE - Car Development^OR

Coordinator Group Contains “Lodging Partner Services - Connectivity”

Or

u\_coordinator\_groupLIKELodging Partner Services - Connectivity^OR

Coordinator Group Contains “EWE - Air Development”

Or

u\_coordinator\_groupLIKEEWE - Air Development^OR

Coordinator Group Contains “EWE -  Supply Database Development”

Or

u\_coordinator\_groupLIKEEWE - Supply Database Development^OR

Coordinator Group Contains “EWE - BFS Development”

Or

u\_coordinator\_groupLIKEEWE - BFS Development^OR

Coordinator Group Contains “Lodging Partner Services - LUX”

Or

u\_coordinator\_groupLIKELodging Partner Services - LUX^OR

Coordinator Group Contains “EWE - Program Management”

Or

u\_coordinator\_groupLIKEEWE - Program Management^OR

Coordinator Group Contains “Lodging Partner Services - Content”

u\_coordinator\_groupLIKELodging Partner Services - Content^OR

u\_coordinator\_groupSTARTSWITHLodging^OR

u\_coordinator\_groupSTARTSWITHRevenue^OR

u\_coordinator\_groupSTARTSWITHGeography^OR

u\_coordinator\_groupSTARTSWITHPackage^OR

u\_coordinator\_groupSTARTSWITHExpedia Web Services^OR

u\_coordinator\_groupLIKEEWE - Operations^OR

u\_coordinator\_groupLIKEEWE - Development^OR

u\_coordinator\_groupLIKEEWE - Car Development^OR

u\_coordinator\_groupLIKELodging Partner Services - Connectivity^OR

u\_coordinator\_groupLIKEEWE - Air Development^OR

u\_coordinator\_groupLIKEEWE - Supply Database Development^OR

u\_coordinator\_groupLIKEEWE - BFS Development^OR

u\_coordinator\_groupLIKELodging Partner Services - LUX^OR

u\_coordinator\_groupLIKEEWE - Program Management^OR

u\_coordinator\_groupLIKELodging Partner Services - Content^OR

Filters:

(Summary Contains “Release” OR Summary Contains “Soak”)

And

short\_summaryLIKERelease^ORshort\_summaryLIKESoak^

Summary Does Not Contain “IPU”

Or

short\_summaryNOT LIKEIPU^OR

Summary Does Not Contain “Sitesup”

short\_summaryNOT LIKESitesup

(Approval Status is “Requested” OR Approval Status is “Approved”)

Forward Schedule of Change (FSC) - Milestone 1

Needs to pull from Service Now, not other calendars with the following fields:

**Fields:**

CRQ# (int)

Dates (start/end) (int)

Times (stat/end) (int)

Type (

OU

Summary

Detailed Description

Coordinator Group **(I am working on pulling the query details for you and will send it once I’m done)**

Coordinator

Implementer

**Requirements:**

We need a Timeline View, which includes:

-abiilty to zoom in/out

-pans across

-ability to see 3 months forward and backward out at any given time

-needs to refresh data every 5 minutes

Show change freezes -

[https://expedia.service-now.com/cmn\_schedule\_blackout\_list.do?sysparm\_userpref\_mod...](https://expedia.service-now.com/cmn_schedule_blackout_list.do?sysparm_userpref_module=88ca5b6a0a0a2c3e4f6149324844470e)

<https://expedia.service-now.com/cmn_schedule_blackout_list.do?sysparm_userpref_module=88ca5b6a0a0a2c3e4f6149324844470e>

# ToolTips

### Releases:

Add mouse click action to draw\_items to take user to Release View page.

### Events:

* Name
* Details -- Truncate with default length (…more?)
* ServiceNow Item (hyperlink to ServiceNow)
  + Might not be trivial, need to see if a URI can be generated or if there’s another field to grab from the REST API to assist here.
  + <https://expedia.service-now.com/nav_to.do?uri=change_request.do?sys_id=7c474ac385c5b900fc3c4e03c2db4a6a>
* Approval
* State
* Status
* Coordinator
* Implementer

|  |  |
| --- | --- |
| Name | Production Release |
| Schedule | Start\_time – End\_time |
| Details | In order for your change to be approved by the… |
| Summary | short\_description |
| CRQ | CHG0006542 |
| Approval | No Longer Required |
| State | Canceled |
| Status | success |
| Coordinator | Sandy Senapathi |
| Coordinator Group | u\_coordinator\_group |
| OU | ??? |
| Type | type |

* Chef Notes
  + Jenkins Chef install
    - Go to <https://ewe.deploy.sb.karmalab.net:8443/job/ewetest_create-instance/>
      * ROLE\_NAME: relcal
      * ZONE: us-west-2c
      * TEAM\_NAME: ReleaseManagement
      * NODE\_DATA: <blank>
      * REMARKS:<blank>
    - Done ;)
  + Chef Image Account
    - Username: vagrant
    - Password: vagrant
  + Reloading image with changed recipe in Sandbox Environment
    - chef-repo/cleanup-chef-node.cmd <recipe>-<hosttype> [reldash-amzlinux]
    - knife cookbook delete <recipe> -y [reldash]
    - knife cookbook upload <recipe> [reldash]
    - vagrant up <recipe>-<hosttype> [reldash-amzlinux]
  + Update or customize .box image
    - Install the base image.
      * IGNORE – Don’t Use A “vagrant up” core. -- Create a “Clean” role.
        + Go into Sandbox chef-server, <http://localhost:4040>.

See chef-server.md for default passwords.

* + - * + Go to “Roles” tab.
        + Click “Create” in “Roles” header.
        + Enter role name “clean”.

Optionally give a description.\

Do NOT add a Role to the run-list, unless you want it permanently in your base image.

* + - * + Click “Create Role”.
      * IGNORE – Don’t Use A “vagrant up” core. -- Install the base image with the “Clean” role using vagrant.
        + “vagrant up clean-amzlinux”
      * Grab the .box file for the image you want to update.
        + <http://kitchensink.aws.sb.karmalab.net/vagrant/boxes/>
        + Right-click the .box file you want to update and copy it locally.
      * Extract the VirtualBox Import files
        + Rename the file from .box to .tar.gz
        + Open the archive and extract the .ovf and .vmdk files to another directory.

Note that the .box file actually contains another .tar file, so it is now a .tar within a .tar file, so you’ll need to extract the .tar file to get to the files.

Most GUI archivers will do this almost automatically.

* + - * Import the image.
        + Open Oracle VM VirtualBox Manager.
        + In the File menu, click Import Virtual Appliance.
        + Browse to the .ovf file extracted above from the .box (now .tar) file and click Next, then Import.
      * Go into the image and make the changes you need.
      * Create the new image.
        + Note the name of the instance in VirtualBox Manager.

It can be changed by stopping the server and updating Settings.

It’s also a convenient way of cut/pasting long names.

* + - * + If not already stopped, stop the instance through VirtualBox Manager.

Right-click, Close->ACPI Shutdown is safest way.

* + - * + Use vagrant to create the .box image. You’ll need the VirtualBox name we noted above.

vagrant package --base <name of VirtualBox instance> (optionally add “--output <.box file name>”)

In vagrant 1.7.0 and 1.7.1 there is a potential bug at this point.

If you get an argument error, something about “2 into 1”, see <https://github.com/mitchellh/vagrant/issues/4962>

Basically, you have to change one line in machines.rb or install a newer vagrant.

* + - * + Save or move the resulting package.box file.

Windows Tip, Stay on the same hard drive as your chef-repo as another bug with vagrant will fail to find the file if on another drive.

* + - * Add the new image to your Vagrantfile OSES array.
        + {  
           “name” => “mynewimage”,  
           “box” => “file://C/folder/my\_new\_image.box”  
          }
        + Warning!!

If “name” is already registered in the chef-server, it will use the already stored image.

To Check If “name” Is Already There

vagrant box list

Look for the “name” in the list.

To Remove “name”

vagrant box remove “name”

All instances using this image must be deleted before removing the box.

You don’t have to as ‘vagrant up’ combined with path in Vagrantfile will do this, but to ensure the .box file you want is registered, you can run

vagrant box add --name “name” <file://C/path/image.box>

Run vagrant box list to verify.

* + - * Install your new image.
        + “vagrant up role-mynewimage”
        + If you run into an issue where “vagrant up” complains that the VirtualBox Guest Additions are out-of-date

Install plugin vagrant-vbguest.

vagrant plugin install vagrant-vbguest

Rerun “vagrant up” command.

This module will update the VirtualBox Guest Additions during the “vagrant up” execution.

* + Reloading updated .box image
    - vagrant box remove <name>
    - vagrant box add –name <name> <file://d/path/file.box>
  + amzlinux SandBox fixes
    - selinux
      * Symptom – Though sudo’ing as the service account works, the system/service cannot start the service, usually with some sort of permissions issue.
      * Fix – Disable selinux
        + sudo yum install –y policycoreutils
        + sudo yum install –y policycoreutils-python
        + sudo setenforce 0 or Permissive

Temporarily sets for this boot instance.

* + - * + sudo sed -i ‘s/SELINUX=.\*/SELINUX=disabled or permissive/g’ /etc/selinux/config

Permanently set after reboot.

* + - firewalld
      * Symptom – Even after adding tcp/8080 to the ‘internal’ zone, could not access nodejs Express listener on port 8080.
      * Fix – Disable firewalld
        + sudo systemctl disable firewalld
        + sudo systemctl stop firewalld

First Feedback:

Paul and I had a chance to look at this today and here's the feedback:

1. It doesn't display correctly in all browsers....it shows up fine in IE and Google Chrome,  
   but is broken in Safari (MAC default browser) and Firefox.   
   We'll need to figure out how to fix that or it will end up being broken for most of EWE,   
   since we all use MACs
2. Scrolling across the calendar isn't working...not sure if it's a MAC thing,   
   so I've asked a non-MAC user (aka Paul) to try it on his and provide us feedback.
3. We will need to also have a dropdown whereas we can choose to View/Filer by   
   Coordinator, Implementer, Name. The AppEng and DepEng Teams want to be able   
   to see how many releases are sitting on a person at a time, such that we can avoid   
   collisions around resource constraints.
4. FIXED - Not sure why Status is showing "Success" for things that haven't been Implemented yet...  
   it should show Success only if it's completed successfully, which is a part of the CRQ form   
   the engineer fills out when he/she are done with the release.