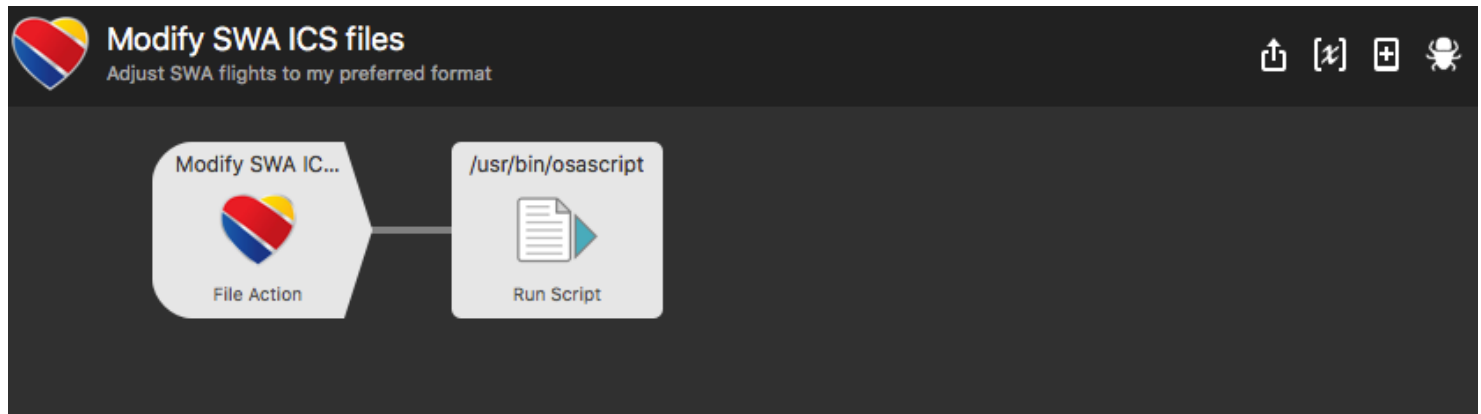


Modify SWA ICS files - ALFRED Workflow

This workflow modifies the calendar files for Southwest flights to remove extraneous content and present a succinct view of the crucial flight information.



The initial ICS file creates a calendar event like this:

Southwest Airlines

Confirmation QCYGTQ

ONT to ABQ on Flight(s) 859/978

all-day☐

starts 6/29/ 2018 3:40 PM

ends 6/29/ 2018 7:45 PM

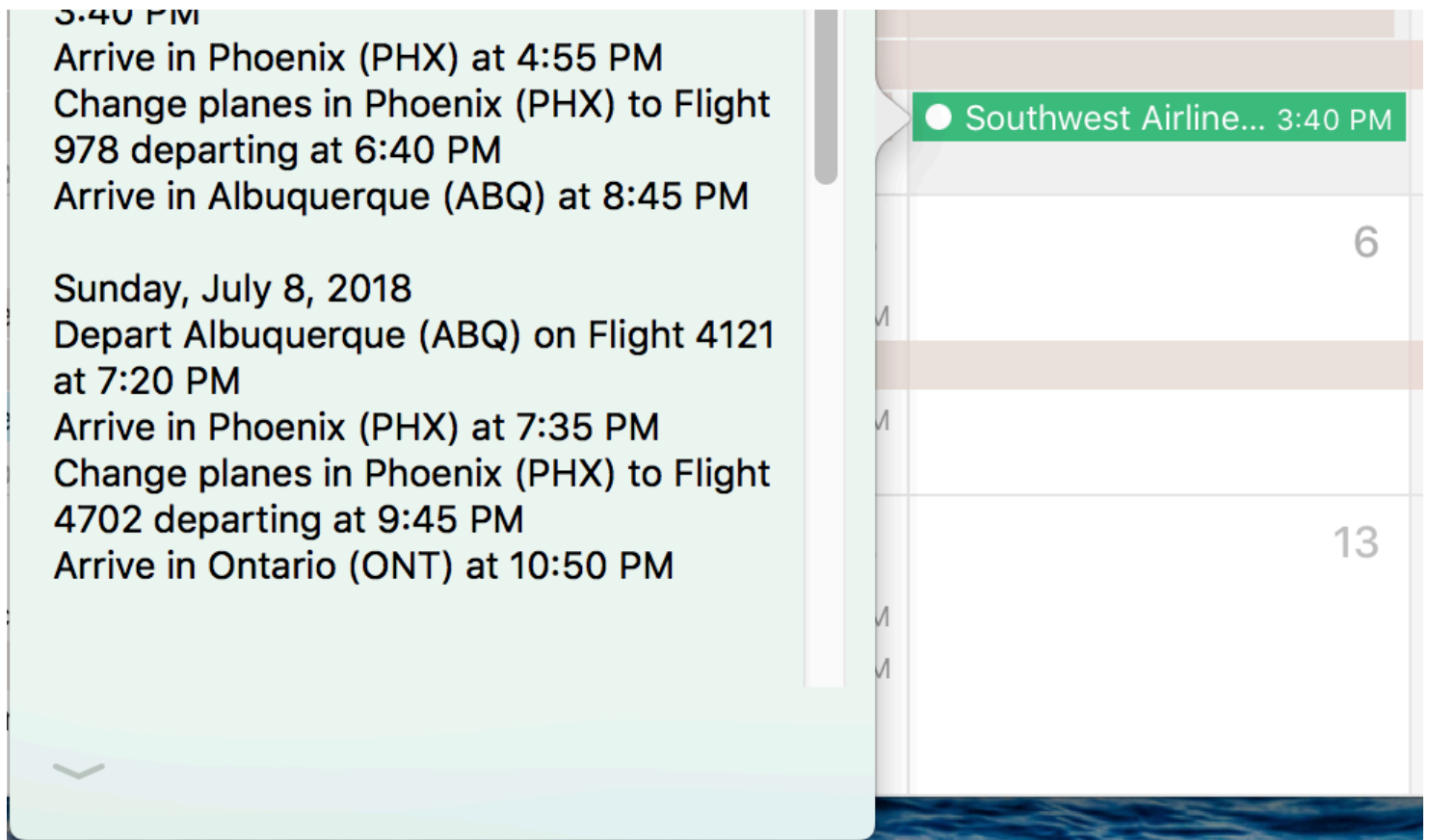
calendar ● iFamily

alert 1 day before (+)

Itinerary Details (Confirmation QCYGTQ)

Friday, June 29, 2018

Depart Ontario (ONT) on Flight 859 at 3:40 PM



In this screenshot, the **NOTES** have been scrolled part-way down past some ads and links to expose the really important itinerary details. The workflow applies an AppleScript that makes four key modifications to the ICS file:

1. Update the **SUMMARY** field to show just the flight numbers
2. Show just the departure & destination airport codes in the **LOCATION** field
3. Update the **NOTES** field to show only the itinerary details
4. Add a 2 hour alert

The resulting event looks like this:

SWA: 117/1207

ABQ to ONT

all-day ☐

starts 5/29/ 2018 6:00 AM

ends 5/29/ 2018 9:15 AM

calendar ● iFamily

alert 2 hours before

alert 1 day before



Itinerary Details (Confirmation LJHRED)

Friday, May 25, 2018

Depart Ontario (ONT) on Flight 5422 at 5:15 PM

Arrive in Phoenix (PHX) at 6:25 PM

Change planes in Phoenix (PHX) to Flight 769 departing at 8:40 PM

Arrive in Albuquerque (ABQ) at 10:45 PM

Tuesday, May 29, 2018

Depart Albuquerque (ABQ) on Flight 117 at 7:00 AM

Arrive in Phoenix (PHX) at 7:15 AM

Change planes in Phoenix (PHX) to Flight 1207 departing at 8:00 AM

Arrive in Ontario (ONT) at 9:15 AM

Day

TUE

29

Andrew in Riverside

● SWA: 117/1207 6 AM

● Sprint Planning S... 9:30 AM

4 more...

5

● TruTouch/nanoplus t... 8 AM

● Anastasiya - O3 9 AM

5 more...

12

● Mike WFH - Sara... 3:45 PM

19

● FRA >> LAX 1:15 AM

● TruTouch/nanoplus t... 8 AM

26

The heavy lifting is done with an AppleScript:

```
on run argv
    repeat with i from 1 to count of argv

        set theFile to item i of argv

        set theFileReference to open for access theFile

        set oldEvent to read theFileReference

        close access theFileReference

        -- cast text of calendar event into list of paragraphs
        set the paragraph_list to every paragraph of oldEvent

        -- revise the DESCRIPTION paragraph
        set descLoc to FindIt("DESCRIPTION", paragraph_list)

        set oldDesc to paragraph descLoc of oldEvent

        set tmp to text ((offset of "\\nItinerary Details (" in oldDesc) + 2) thru ((
offset of "\\nHELPFUL LINKS" in oldDesc) - 1) of oldDesc

        set item descLoc of the paragraph_list to "DESCRIPTION:" & text of tmp

        -- modify the LOCATION information
        set descLoc to FindIt("LOCATION", paragraph_list)

        set oldLoc to paragraph descLoc of oldEvent

        set item descLoc of the paragraph_list to text 1 thru ((offset of " on Flight
" in oldLoc) - 1) of oldLoc

        -- modify the SUMMARY information
        set item FindIt("SUMMARY", paragraph_list) of the paragraph_list to "SUMMARY:
SWA: " & (text ((offset of "Flight(s)" in oldLoc) + (length of "Flight(s)") + 1) thr
u -1 of oldLoc)

        set descLoc to FindIt("END:VEVENT", paragraph_list)

        set extraAlarm to "BEGIN:VALARM,TRIGGER:-PT2H,DESCRIPTION:Get moving - dammit
!,ACTION:DISPLAY,END:VALARM"

        set saveTID to text item delimiters
```

```

    set text item delimiters to ","

    set extraAlarm to text items of extraAlarm

    set endTag to "END:VEVENT,END:VCALENDAR"

    set endTag to text items of endTag

    set text item delimiters to saveTID

    set paragraph_list to items 1 thru (descLoc - 1) of paragraph_list & extraAlarm & endTag

-- convert to writable text --
    set saveTID to text item delimiters

    set text item delimiters to "
"

    set newEvent to paragraph_list as text

    set text item delimiters to saveTID

-- tag file name with "rev" and write --

    set inputFilename to (theFile as string)

    set theFilePath to (text 1 thru ((offset of ".ics" in inputFilename) - 1) of inputFilename) & "_rev" & ".ics" as string

    set theFileReference to open for access theFilePath with write permission

    write newEvent to theFileReference

    close access theFileReference

end repeat

end run

on FindIt(findThis, findInThisList)
    repeat with i from 1 to count of findInThisList
        set thisPara to item i of findInThisList
        if thisPara begins with findThis then
            set descLoc to i

```

```
        exit repeat
    end if
end repeat
return descLoc
end FindIt
```