JASMIN Housekeeping Script

A python Script to Identiy Sentinel scenes to be deleted

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# Summary

This script search for tif file in the GWS and CEDA directories, and compares the filenames, if the filenames match, the files are analysed. Firstly, an MD5 Hash value is generated, if they match the version on GWS is added to the "products\_to\_delete.txt" file, else the dates are compared. if the new version is on CEDA the GWS version is "products\_to\_delete.txt" file.

# Requirements

Python 3.8 (Tested on: 3.8.12 | packaged by conda-forge | (default, Oct 12 2021, 21:59:51))

* datetime
* hashlib
* os
* sys

# Setup

Create a new folder in your user area on JASMIN, copy the script into the folder. Please make sure your JASMIN and CEDA accounts are linked.

# Running Instructions

To run the “Housekeeping.py” please follow these instruction

## Step 1

Open and sign into MobaXterm

## Step 2

Start New Terminal

## Step 3

Enter the following command into JAMSIN, to login

*ssh -A login2.jasmin.ac.uk*

Press the ‘Enter’ key

## Step 4

Enter the following command into JAMSIN, to sign into a machine using (Please note you can uses any “sci” machine, “sci8” is used as any example:

*ssh sci8.jasmin.ac.uk*

Press the ‘Enter’ key

## Step 5

Enter the following command into JAMSIN, to load the correct JASPY module (This module meets all the requirements laid out in section 2.) using:

*module load jaspy/3.8/r20211105*

Press the ‘Enter’ key

## Step 6

Change directory to where the python script is located, for example:

To run the script enter the command from the text box. Please note that the {start-date} and Press the ‘Enter’ key

*cd code/ard/*

## Step 7

{end-date} will need to be modified by the user to their dates of interest. The dates must be in a yyyy-mm-dd format.

*python Housekeeping.py {start-date} {end-date}*

Press the ‘Enter’ key