Caricom/Brazil cooperation drought training workshop Jamaica 23-25 May 2012

Caribbean Water Monitor

An Illustration
Introduction

• The monitor uses
• Ubuntu Linux
• SQL database
• Apache web server
• Php script
• Php graphics
• GRASS as Gis interface
• Phyton WPS(Web Processing Service) for the interpolation and visualization using GRASS and the data base
THE HOST

• The monitor run on a host program called oracle virtual box (https://www.virtualbox.org)
Using Virtualbox (VB)

• You can upgrade VB
• You might change network settings
• You can add base memory
The Virtual Machine (VM)

- Inside the virtual machine
- The data files are located to add new stations
- Text files for dates
- Database connections and commands
- Important paths for colors, rules, and web processing services
- All GRASS routines to perform the interpolations
- Import new raster files into GRASS (new maps)