

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
- Python 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
- Data base 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)