

Switching to CoCCA Registry System

.MZ Registry

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CIUEM

Introduction

- The .MZ Registry was created in 1992 when the .MZ domain was created
- It is run by CIUEM (Centro de Informática da Universidade Eduardo Mondlane)
- It is located in the Main Campus of the University
- CIUEM was also the first Internet Provider in the Country
- It has roughly 3000 domains registered to date
- It is only possible to register under second level domains like .co.mz, .org.mz and not directly under .MZ

Introduction (Cont.)

- All registrations are done manually, there is no automated online system
- It benefits from the anycast cloud from PCH for secondary servers

Aim

- The aim of this presentation is to share the experience with the forum about the migration of the .MZ registry from a manual process to an automated one

Choice of Registry System

- It was not easy to select a registry system, specially due to the unavailability of funds
- In 2004 CIUEM approached the Brazilian Registry .BR in order to look at the possibility of using their system since they were prepared to offer it for free
- The .BR was very comprehensive to their needs and complex for what we needed and a lot of things were embedded in the code, this made it difficult to adjust to our needs
- After having failed to make it operational for many different reasons, CIUEM started looking for alternatives

Choice of Registry System

- CoCCA software for registries was stumbled upon by chance at one of ICANN's meeting
- CIUEM having had a look at the software was happy with what it provided and the ease of integration
- It offered all the options for the registration of domains as well as possibility to have registrars, amongst other things

Testing and Installation

- In 2008 CIUEM started testing the application CoCCA
- Problems were encountered while trying to run it on FreeBSD OS as it had been developed to run on CentOS
- After successfully installing it on FreeBSD, we tested its functionality and interface
- In 2009 it was decided that CIUEM would use CoCCA
- Having no online database prompted CIUEM to assign the task of creating one that could be imported into the CoCCA System

Testing and Installation

- The ongoing and never ending process of creating the database was the delaying factor for implementation
- Due to this delay the process stalled and in the meantime many updated versions were released
- Seeing the need to easily update and get support for issues that may arise from its use, CIUEM decided that it would be better to use one of the supported Operating systems like CentOS
- Having decided on the change of OS, a new installation was done and tested with the latest version of CoCCA/Pamoja in late 2011

Testing and Installation

- Being happy with the latest tested version it was decided that it should be rolled out in early 2012
- Seeing the need to acquire new hardware, a tender was launched for acquisition of the new servers
- Roll out and migration of the new system now depends on the tender process

Practical overview

- We will now look at the process of installing CoCCA registry system and importing the database of domains