

Modifiez le texte



SeaDataNet

*PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT*

***Deployment of SeaDataNet Data Center
infrastructure at IO PAN***

Tools used

- Ocean Data View 4.5.3
- NEMO 1.4.5
- Mikado 2.5

- Platform: Linux (Fedora), Tomcat 6.0.20

Easy parts

- installation of Download Manager
with minor problems to get DM version up to date
- changing server configuration to have Tomcat listening on port 80
- conversion of SBE 49 CNV files
problems with format (eg. * Latitude: 54 50.707 N * Longitude: 19 18.278 E vs. * Latitude: N54 50.707 * Longitude: E19 18.278)
- XML generation
- CDI generation

Difficult parts

- configuration of Download Manager
 - big number of configuration files – hard to keep consistency
 - adoption of Windows catalogues tree names to Linux (case sensitive!)
 - understanding of system configuration (eg. local tmp directories, not /tmp)
 - deployment of security rights, files ownership

Problems faced

- **dedicated server is needed for DM deployment**
hard to configure coexistence of web server and application server on one physical machine
- **tools for verification of the installation elements are needed**
great help of CDI-SUPPORT, but lot of communication used for checking status of installation. Most of the issues could be solved locally
- **automatization of CDI preparation is necessary**

Unresolved issues

- Data Center in production mode!

but...

- automatization of CDI / XML generation
- deployment of database instead of coupling.txt

...have to be completed

Conclusion

- Deploying of DM is not so hard, as people say...
- ...but technological / IT skills are necessary
- Training course was necessary to get the basis needed for DM deployment and overall understanding of SDN Infrastructure