IMPAC-T Data Archive System

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Introduction

- Who am I ?/ Why I am here?
- →My Research Topic = <u>Computer Science</u> -Database, Visualization, User-Interface
- What can I do in this project?
- → To develop Data Archive system base on my experiences.

Keywords about my research

- Huge-scale database
- Web-service, User Interface
- User support, Personalization
- Data Portal
- Workbench
- · Data Crawling
- Data Mining
- Data Visualization
- · Quality Control
- Data Comparison



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- You can search data from "site", "Element", "Date", "Term"
- Data Download Visualization
- Easy-operation Interface
- Automatically refreshed every 1 hour

What is important point? For Data Archiving System

Observation, recording data, archiving data.... are of course very important.

However,

Data should be changed to Information.

Any data which cannot be used is not information. Data should be used.

Archiving system should provide Information. And, with easy operation and easy feeling.



Key Technology

1. Stable System

Network, Storage, Server, Human-Operation

2. Easy-Use System

For users (UI) and

For Administrator (system architecture)

3. "Fresh" System

"Fresh" data has much value.

In This Project, For Stable System At First, we should consider Network structure and data flow -where is "1st archive", where is "2nd archive"... From where each server get data? Then, we should design storage system-- Capacity, RAID-level, Backup (storage,server,netowork) Policy ← cost effective. And, Only Running System has a value. For Easy-Use System

For what purpose? How to use? Visualization is enough? Do you want to download data and use your own environment? Or, You want to load data to model directory? = Should we develop workbench? For each purpose, we should discuss and collaborate, important point is "feedback". Then. "good-feeling" system will be developed.

We should consider "smooth" data-flow. Data logger → User This is very simple.

Automatically". Any oparater should not handle data every time. Automatic system is also good for "decreasing human error"→stable

