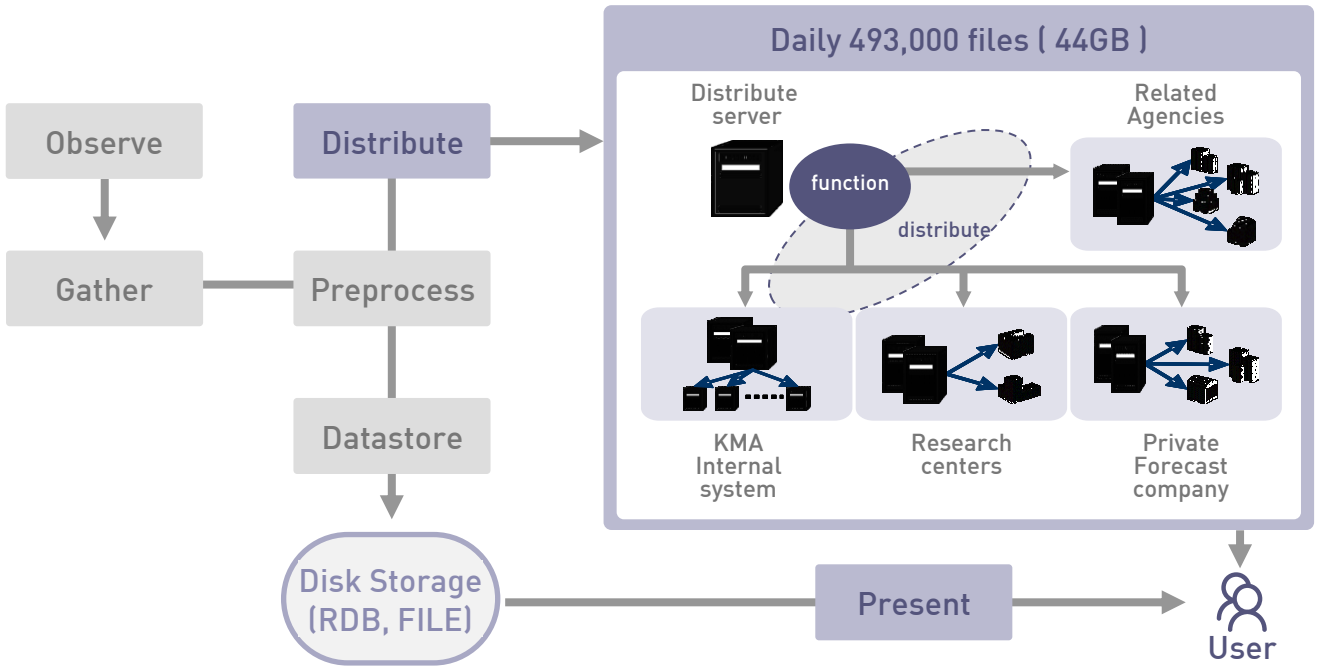
Combined Meteorological Information System (COMIS-3)

Combined Meteorological Information System is Korea Meteorological Administration's main system to play a decisive role within the meteorological business process automation

COMIS is collecting, manufacturing, analyzing and distributing all meteoro logical information data. It has 95 blade servers, 240TB disk storage, Oracle 10g database 10 sets and 1,500 internal users.

Features of Combined Meteorological Information System

Business Framework



Function

01 Configuration of Server Network

It is a unified LINUX-based platform and a blade server with grid computing mechanism to deal with weather changes flexibly as well as to make its horizontal expansion possible.

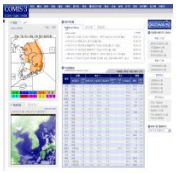
02 Integrated Storage Pool

It is a storage pool with a 200TB-scale hierarchical storage to provide the online meteorological data from more than 500,000 data files as a result of data collecting and compiling process.

03 Collection & distribution system

It is a core system among COMIS, which collects more than 200,000 data and compiles and distributes 500,000 data daily.

04 Web inquiry / express system



It provides the forecast/special weather report service, meteorological expression service that allows the real-time inquiry of observation and analysis data, general-purpose viewer service.

Why LG CNS

LG CNS Meteorological Data Processing Services stand unchallenged worldwide in terms of business experience, business scale, and technology. LG CNS brings innovation to your meteorological process with our professional service that has been verified through large scale projects in Korea and abroad.

- World class system development methodology and project management capability
- Quality assurance with global standard (CMM Level 2 certified)
- Core Technology on Analysis and Processing of meteorological information
- Meteorology Biz. Modeling and Project Financing

Success story: Combined Meteorological Information System(COMIS-3) Project

• The Business Issue

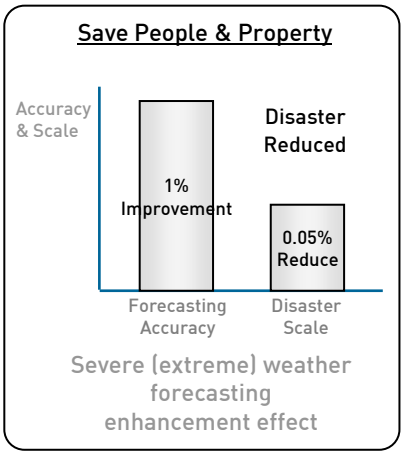
The world is now faced with Global Warming and Abnormal Weather Phenomena that cause various disasters like floods and inundations, etc. In line with this global tendency, meteorological information is a very critical factor of safety in human beings and nature. Therefore, we have to collect more accurate weather information and propagation that information to citizens as soon as possible for evacuation and necessary actions.

• Our approach

Combined Meteorological Information System(COMIS-3) Project was promoted with the purpose of dealing with weather changes flexibly as well as to make its horizontal expansion possible. For efficient data supply and on-line accessibility, we would like to introduce our system as the base for overall weather service process such as collecting, compiling, expressing, and distributing the observed weather data.

• How it worked

The COMIS-3 had enhanced the efficiency of meteorological process by means of logical integration, structuring the physical distribution environment and unifying the standardized data management so as to provide accurate meteorological data in timely manner, thereby making commitment to providing nation's disaster prevention services. It also leveled up meteorological data quality, enhanced meteorological data service and reduced data processing costs. In addition, through the system, Korea Meteorological Administration(KMA) is playing a pivot role in cooperating and interacting among meteorological agencies both domestically and internationally.



• References

Advanced Forecasting System Project of KMA

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