



DISASTER RECOVERY PLANNING

Having an effective and *simple* disaster recovery plan is essential for any company from an IT and business perspective. Is your company prepared?

Disaster recovery planning is absolutely essential, especially in an industry dealing with large amounts of data like the health and pharmaceutical industry. In cases of Disaster Recovery, most companies fail to understand the importance of IT services and personnel from a business perspective. As companies grow globally, they need to know exactly what IT services they are capable of providing, at what costs and what risks are involved in geographic expansion.

What would be the consequences for you, your company and your clients if your IT shut down for an hour? For 2 hours? For a whole day? What would be your quantifiable losses? Who would be in charge of initiating data recovery? A good disaster recovery plan will involve all departments related to IT service and business activities to evaluate risks and costs.

A good disaster recovery plan starts with analyzing the risks...

The plan should start with a basic risk assessment of the physical location of a Data Center. Avoid building a DC where there is high risk of natural disasters. Human error is a different story. Employees can accidentally trip the power or cancel important data. The first step in Disaster Recovery planning internally is to know your office building and your employees and what can be prematurely avoided.

...and keeping business as usual...

A good Disaster Recovery plan will be well detailed within the "business continuity" plan. Can a company continue providing business-as-usual services while the disaster recovery process is in place?

...by knowing your IT service capabilities...

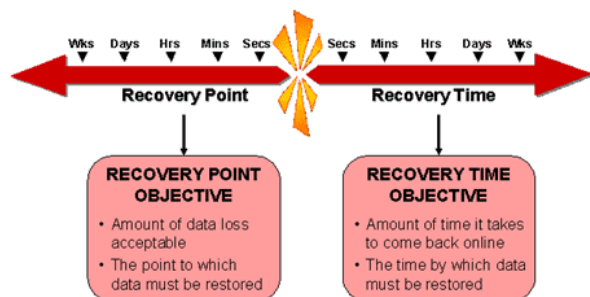
The Disaster Recovery plan should identify the

priorities in terms of IT services- what is important and what is absolutely essential. Knowing the priorities of disaster recovery can help to

- ◆ Define levels of service needed
- ◆ Estimate recovery time
- ◆ Create a method of recovery

Once you have determined the priorities, the most important analyses will be the **RPO** (Recovery Point Objective) and the **RTO** (Recovery Time Objective). The RPO will establish how far back services will have to go to find recoverable data, and the RTO will determine how much time is needed for recovery. A Disaster Recovery plan must then be maintained through proper documentation and system validation.

Determining Your Data Recovery Needs



ARITHMOS and CROS NT Disaster Recovery


ARITHMOS and CROS NT are already working together to ensure a disaster recovery plan for its critical service applications. ARITHMOS acts as the IT service provider to CROS NT's business activities as well as for pharmaceutical companies. Most recently, ARITHMOS finished the task of replicating its data center infrastructure based in Italy into a second Data Center located in Germany. ARITHMOS can guarantee quality and secure hosting and data integration services.

ARITHMOS and CROS NT Launch International EDC Survey

In a joint effort to study the use of Electronic Data Capture in clinical studies, the CROS NT Group has created a global study to analyze EDC trends.

On 23 May, the CROS NT Group made public an international survey to analyze the use of Electronic Data Capture (EDC) in clinical studies. The study is being led by ARITHMOS, the IT branch of CROS NT Group which offers technology solutions across all phases of clinical trials to optimize quality and value. The collection and analysis of data is being supported by CROS NT.

The objective of this survey is to evaluate the positive or negative impacts of EDC based on a user's experience, knowledge and personal perspective of this technology. In order to predispose future implementations of EDC programs, it is necessary to constantly monitor the evolution of a user's point of view. ARITHMOS has been conducting this survey to do just that— evaluate what users think of EDC technology.

The survey is currently being distributed to a variety of personnel involved in clinical trials including Investigators,  **SurveyMonkey™** Monitors, Data Managers, Statisticians and Project Managers. While the survey is still accepting and collecting responses, results to date include over 100 participants in approximately 20 countries worldwide. The survey is being conducted electronically only, via SurveyMonkey services, using several communication channels such as Web, email and social media.

ARITHMOS and CROS NT hope to present the results at the Oracle Health Science Users Group Conference in October in Canada later this year.

We invite you to participate in the survey by clicking the following link:
https://www.surveymonkey.com/s/arithmos_edc_solutions

ARITHMOS to co-exhibit with CROS NT at DIA Annual Meeting in Chicago



This month, ARITHMOS will make its first appearance at the DIA Annual Meeting by co-exhibiting with CROS NT at Booth 701. The DIA Meeting is an opportunity for ARITHMOS to present its technology solutions to the American pharmaceutical market including Data Integration, ePRO and EDC, eLearning platforms and Computer System Validation. We encourage you to visit us at our booth to pick up your free USB key and enter to win an iPod Touch. If you would like to schedule a meeting with us in Chicago to learn about our many services, e-mail us at info@arithmos.it.

Although ARITHMOS was only established in 2010, it has already been around the event circuit. This year, ARITHMOS sponsored and exhibited at both Italian and German ePharma Day, and was an exhibitor in the Oracle PartnerNetwork booth at the DIA EuroMeeting in Geneva. The DIA Annual Meeting is ARITHMOS' second appearance in a U.S. event having participated in the Oracle HSUG Conference last year in San Antonio, Texas.

ARITHMOS Wins Project with Italian Electric & Gas Company



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ARITHMOS has recently signed on for a data management and integration project with ASGM, one of Italy's largest electricity and gas companies. With this project, ARITHMOS expands outside the pharmaceutical industry to offer its data integration services. ASGM is based in Verona, Italy and ARITHMOS will assign seven new personnel to the project. **Silvia Gabanti**, Head of Unit for Health Science Services will be the Project Manager, and **Michele Cucci**, IT Systems Analyst for ARITHMOS, will be the Project Coordinator.

ARITHMOS Announces Oracle® Enhancements to Clinical Trial Applications

Oracle announced this month that it has technically enhanced several features in its life science applications including Oracle Clinical, Oracle Remote Data Capture and Oracle Thesaurus Management System.



Oracle is a worldwide leader in "complete, open, and integrated business software and hardware systems". With these application developments, Oracle has shown its commitment to continued investment in global clinical trials. The new features available for Oracle Clinical and Oracle Remote Data Capture include:

- ◆ Differentiated schedules and assessments for varying disease states
- ◆ Dynamic case report forms (CRF) based on patient responses and progress
- ◆ Oracle Remote Data Capture: support for long comments and narratives to better monitor serious adverse events and case histories
- ◆ Extended text fields are fully audited with date and time stamps, the modifying user, reason for change
- ◆ Clinical trial applications now run on Oracle Database 11g



ARITHMOS is now an Oracle Gold Partner. CROS NT, a CRO specializing in statistical and data management services, uses Oracle Clinical and Oracle Remote Data Capture with full technological support and implementation from ARITHMOS.

Helpdesk services are also available 24/7/365 for support with Oracle applications.

From the Oracle website: "Clinical trial sponsors continue to seek new levels of efficiency and flexibility in setting up and managing trials. The latest versions of Oracle Clinical and Oracle Remote Data Capture reinforce Oracle's commitment to delivering feature rich, easy-to-navigate and scalable solutions that help to enhance user productivity and increase overall trial efficiency," says Neil de Crescenzo, senior vice president and general manager, Oracle Health Sciences.

Related Links:

<http://www.oracle.com/healthsciences>

<http://www.oracle.com/bpo>



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