

HOW DYNAMIC SYSTEMS' ROBUST
**AUTOMATED BACKUP AND
RECOVERY SOLUTION**

HELPED ARMY MEDICAL TESTING LAB
SECURE CRITICAL DATA

ABOUT THE CLIENT

Industry: Government

Location: Undisclosed



AT A GLANCE

Challenge

This Army medical testing lab lacked confidence in the reliability of its existing backups systems, as well as its ability to recover data when needed.

Solution

Deploy a robust automated backup and recovery solution for the entire database, application, and system software environment.

Results

- Reliable retention of lab test results data.
- Easy remote lab management and recovery.
- Simplified solution implementation and remote administration.
- Data protection through reliable backups within maintenance windows.

Overview

An Army medical testing lab needed to complete backups of lab test data within their backup window and perform full lab site backup/recovery, easily and remotely. Dynamic Systems' designed a robust automated backup and recovery solution so it can manage backups remotely with ease and confidence.

Challenge

This testing lab provides comprehensive alcohol and drug abuse prevention and control policies, procedures, and testing of military and select government civilians for the presence of illegal drugs. Its database, which automates the tracking and documenting of urine specimens through the drug testing and validation process, is a critical component for each of their multiple geographically dispersed labs.

This system records the identification of all laboratory personnel and tests being performed at each stage of the testing and validation process. Specimens and positive test data remain at each drug-testing laboratory for pending resolution and may be used in litigation.

However, this Dynamic Systems client's existing backup and recovery solution used old tape technology, which was manually intensive, error-prone, and time-consuming, preventing teams from completing and performing reliable backups during their maintenance window.

As a result, this Army medical testing lab lacked confidence in the reliability of its backups, as well as its ability to recover data whenever needed.

This old backup systems presented several challenges:



Inability to meet mandated requirements for retention of lab test data results.



Time-consuming process of restoring and unpacking large recovery files.



Extended service outages due to remote work and management setup.



Complexity in performing any level of recovery.



Solution

The Army medical testing lab's top leadership brought Dynamic Systems in at the beginning of their change process, thanks to the IT expert's familiarity with the client's existing environment.

Dynamic Systems has a long-standing relationship with the army medical testing lab as it has provided high-quality products and solutions for prior hardware and software needs. They knew Dynamic Systems has a great deal of expertise in developing and delivering solutions that protect critical data.

Dynamic Systems proposed a robust automated backup and recovery solution for the entire database, application, and system software environment.

The solution was designed to protect the entire environment by backing up the database, application, and virtualized environment. It allows for easy implementation and simplified management from remote locations. The solution also ensured the Army medical testing lab would be able to meet its backup windows and could do fine-grained file recovery.

Dynamic Systems' fully automated database and system backup/recovery solution included:

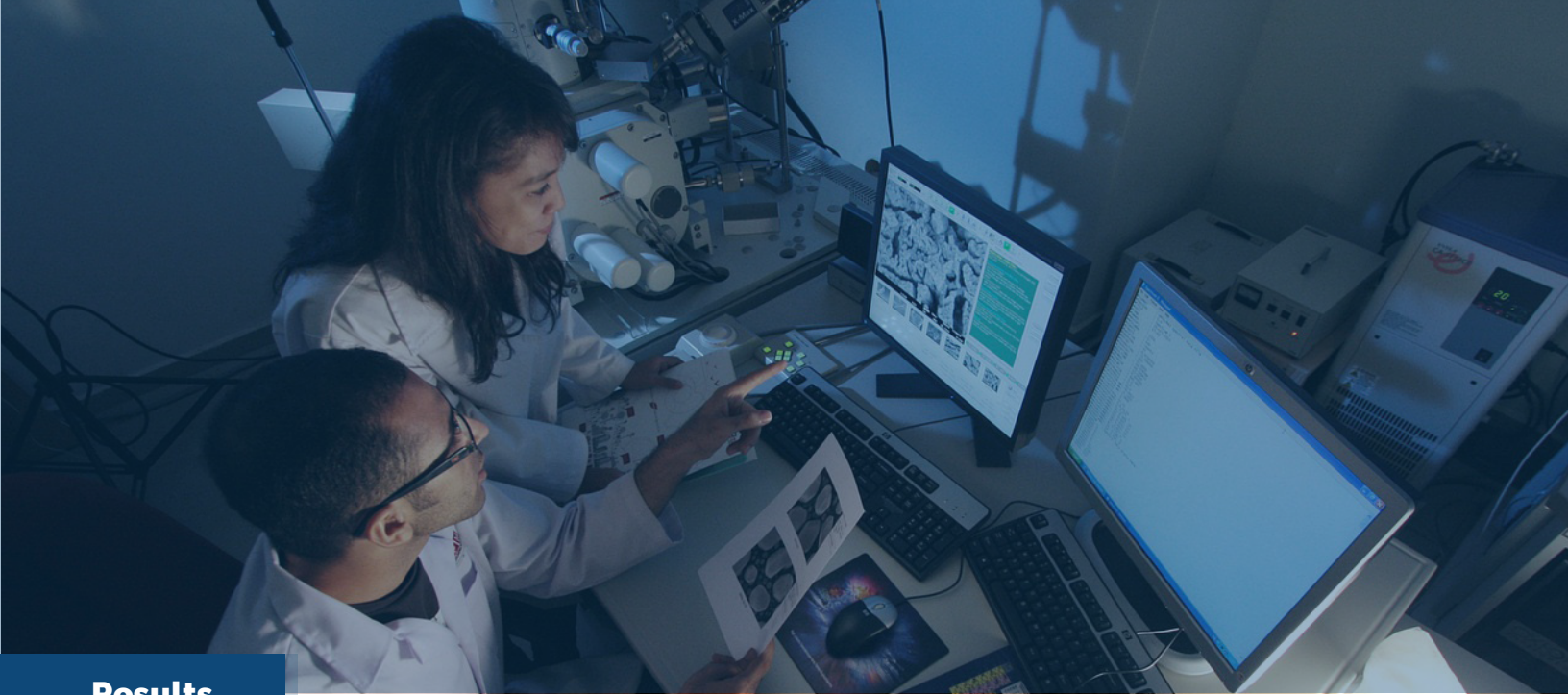
Oracle S7-2L
Servers

SL150 Tape;
Libraries

Oracle Secure
Backup Software

Solaris Operating
System



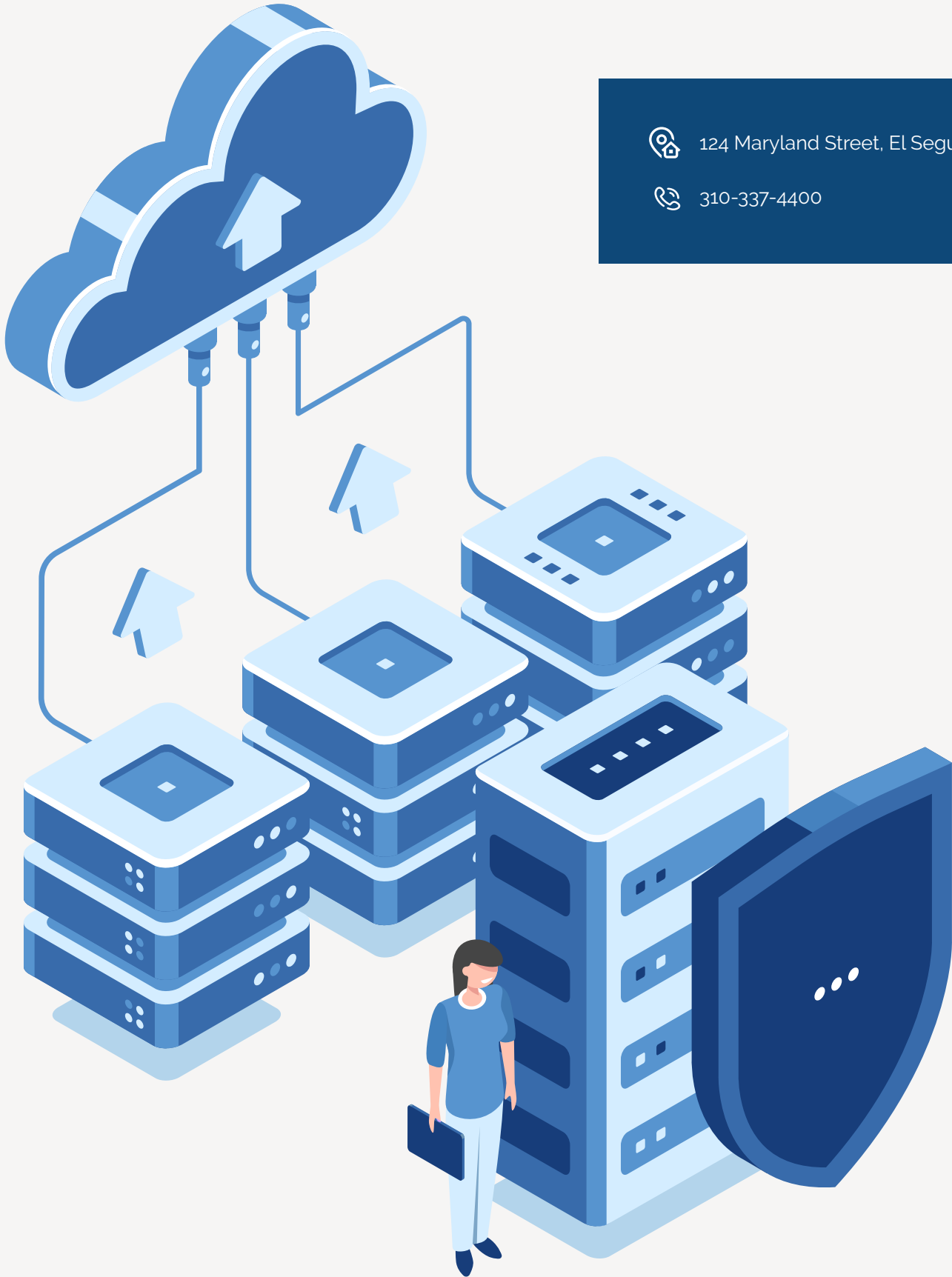


Results

- ③ Enabled full remote recovery of the lab to a working state.
- ③ Strengthened support for lab personnel and staff through hands-on onsite training.
- ③ Achieved well-defined and documented testing process from all remote sites.
- ③ Enabled quick, easy, and direct recovery of any remote lab site if needed.
- ③ Compliance with mandatory requirements through improved data retention.
- ③ Reduced service outage duration with faster remote recovery.
- ③ Administration cost savings due to less expensive remote capabilities.

Hands-on onsite training was provided for the primary medical testing lab location to ensure that the client had a defined and documented process, as well as a knowledgeable and skilled team, to perform implementation across all remote sites.

Through Dynamic Systems' fully automated database and system backup/recovery solution, this Army medical testing lab is able to back up its database, application, and virtualized environment, and ultimately, protect its critical data.



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