

Transform the normal chaos of a test facility into a controlled environment.

Modern labs perform a number of different functions simultaneously. This requires a variety of test systems from multiple vendors, each generating data for a specific purpose. With the ever-increasing need for higher channel counts and faster acquisition speeds, the amount of data produced across the entire lab can easily exceed multiple gigabytes per day. The time and effort required to manually configure all the different test systems, and navigate through the massive amounts of data can be overwhelming. The result is typically a significant reduction in productivity, which is in direct conflict with the constant pressure for increased efficiency and maximized results.

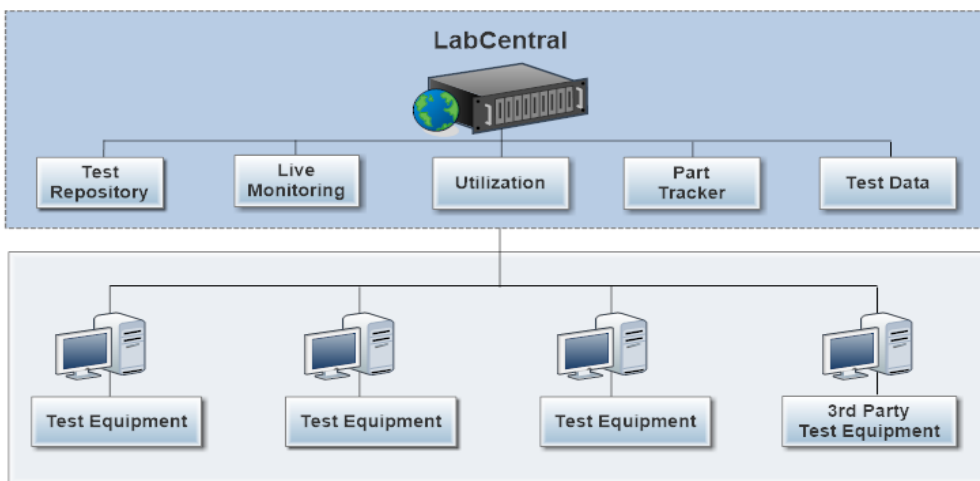
LabCentral is the core component of LabWorX, A&D's centralized lab management suite, supplying the lab manager with the ideal tools to address these problems. With LabCentral, the entire lab can be managed from one single location. Test systems from any vendor can be seamlessly integrated and monitored through configurable dashboards. Data from every test cell is stored in one central location, where Test and R&D engineers have quick and secure access through extensive search capabilities. LabCentral also tracks test cell utilization, automatically providing the lab manager with critical information necessary for constantly improving the lab's productivity.

Benefits

- Data from all test cells stored in one central location for quick and secure access
- Increased efficiency through automated test system utilization tracking
- Compatible with test systems from any vendor

Features

- Manages multiple gigabytes of test data and configurations from one single location
- Remote test cell monitoring via configurable dashboards
- Test article data is gathered automatically and travels with the unit from one test system to another around the lab
- Multiple LabCentral systems in one lab or around the globe can be linked to a single managed system



LabCentral architecture

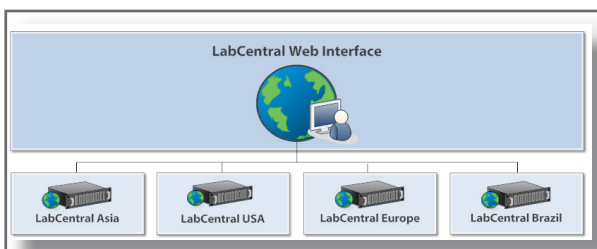
LabCentral Components and Add-ons

LabCentral Server

Name	Project	End Time
PowerMap_DemoTrans.pdf	PowerMap_Demo	2014/03/07 18:09:10
PowerMap_DemoTrans.doc	PowerMap_Demo	2014/03/07 18:09:09
PowerMap_DemoTrans.dat.ec2	PowerMap_Demo	2014/03/07 18:09:06
PowerMap_DemoTrans.csv	PowerMap_Demo	2014/03/07 18:09:07
TestSystemDiag_20140307.dat	TestSystemDiag_ENGINE 04	2014/03/07 17:49:29
TestSystemDiag_20140307.dat	TestSystemDiag_Engine 03	2014/03/07 17:53:08
TestSystemDiag_20140307.dat	TestSystemDiag_Engine 02	2014/03/07 17:54:27
Durability_B3_502_Trans.dat	ODS-003	2014/03/07 02:47:57

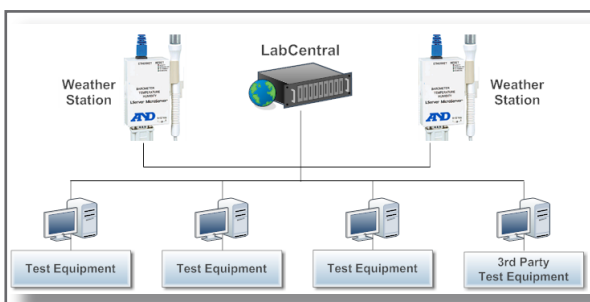
The LabCentral server includes all the tools necessary for managing the indexing and storage of data, as well as the web interface for data retrieval from all connected test systems. The server also provides a test repository, live monitoring capabilities, and utilization and part tracking.

LabCentral Enterprise



The Enterprise add-on provides multi-site data search capabilities that support the connection of multiple LabCentral systems within a single facility, or in separate labs around the globe. Data from all connected sites can be searched from a single location.

Weather Server



The Weather Server provides the ability to collect weather data, including temperature, humidity, barometric pressure and dew point, from one or more weather stations in the lab. LabCentral then pushes the data to the designated test systems. One weather station can accommodate multiple test systems.

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