PC-Doctor® Network Factory™

« *PC-Doctor Network Factory allows you to audit test results and share diagnostics and system information across all groups. Reducing warranty costs in all phases of the system life cycle* »

PC-Doctor Network Factory is a networked diagnostic testing system with centralized management and database results storage. Test results can be analyzed to reveal failure trends in both device hardware and testing processes. Network Factory allows you to audit test results and share diagnostics and system information across all groups. Reducing warranty costs in all phases of the system life cycle. An extensive array of features meets the needs of x86 systems, Android and Chrome OS devices, and component OEMs, repair centers (including Return Material Authorization (RMA) service providers), system builders, contract manufacturers, original design manufacturers (ODMs), component vendors, and systems integrators.

Product Elements

Server Software
The server software provides for management and reporting of the testing process. It interacts with all UUTs (Units Under Test) and the results database to track the progress of testing, collecting test results and system information.

SQL Compliant Database
The database stores all test results and system information for every UUT. Useful in providing an audit trail and performing a trend analysis to increase productivity and reduce costs. Network Factory contains several pre-defined reports, which are easily customizable. The SQL-compliant database can be integrated into external applications or databases using standard ODBC connectivity.

Unit Under Test (UUT)
The UUT software consists of PC-Doctor hardware diagnostic test modules, system information modules, drive erase, and modules that provide scripting capabilities and connectivity to the server.

Monitoring Console
The Monitoring Console is accessed using a Firefox or Internet Explorer web browser, making it accessible from any location with access to the server. Users can manage and track testing progress, as well as view reports from test results. The Monitoring Console supports multiple login level privileges from tester to management to administrator. The Progress Monitor provides real-time test progress information, while standard and custom reports provide test results and detailed system information. Additional features include the Script Editor, User Management, Inventory and Parts setup and Database Administration.

Supported Operating Systems

Server Software
Windows Server 2012 & 2012 R2
Windows Server 2016
Windows Server 2019
Windows Server 2022

UUT
Windows 7 and above
Windows Server 2012 and above
Windows PE 3.x and above
Linux kernel 2.6 and above
Android 6.0 and above
Low-level independent OS, Including Mac x86-64
Chrome OS – X86_64, ARM32 and ARM 64

Features and Benefits

Direct System Information™
Provides accurate details about the hardware attached to each system

Inventory and Parts Feature
Provides the capability to compare system to a BOM or specific build specification

Ability to Test Multiple Components Simultaneously
Reduces overall test time and improves test thoroughness by increasing stress on each system

Fully Customizable Test Scripts and Reports
Offer maximum flexibility to meet changing testing and reporting requirements

Integration of External Applications and Test Routines
Allows integration of other tests and routines within a unified framework of testing

Field Replaceable Unit (FRU) Information on Component Failures
Speeds parts replacement and permits trend analysis down to the parts level

SQL-Compliant, Industry-Standard Database
Provides reliable and accessible data management and easily expandable to common back-end tools

Single Monitoring Console
Manages multiple UUTs improving process efficiency and visibility

Web-based Monitoring Console
Monitors tests from anywhere on the network via an easy-to-use interface – no need to install software on monitoring stations

Drive Erase – Certified NIST compliant

« Leverages existing enterprise-level database applications such as MySQL, Oracle, SAP, Informix, DB2 and SQL Server »

Diagnostic Scripts for UUTs on Multiple Platforms (Windows, Windows PE, Linux, Android, Chrome OS)
Maximizes test coverage and increases productivity

XML-based Inputs and Outputs
Facilitates integration of PC-Doctor Network Factory with existing processes, and leverages industry-standard compatibility for data exchange

Broad System Hardware Support
Works with a wide variety of system types from standard PCs, Intel based Macs, Android Devices, Chrome OS devices, notebooks and tablets to servers, network appliances, and embedded devices

Open Database Connectivity (ODBC) Test Result Accessibility
Leverages existing applications (such as MySQL, Oracle, SAP, Informix, DB2, and SQL Server) allowing correlation of test results and system information data throughout the enterprise—from incoming parts inspection to manufacturing, technical support to service. Offering unparalleled visibility into the full system/device lifecycle

Scalability
Agility to meet growing and changing business needs without additional investment

For more information visit:
www.pc-doctor.com/network-factory

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