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ResourceFinder

Powerful Tool for Test Lab Management

Overview

Optimizing resources is one of the many challenges of operating a test lab. Maximizing equipment utilization increases the number of tests handled by the lab which speeds the time to market for new products, increases the quality of service or simply gets more done with the same resources. MRV's Media Cross Connect (MCC) combined with ResourceFinder is designed to meet the goals of reducing operating costs while improving productivity and test accuracy.

The MCC is the cornerstone for automating any dynamic testing environment. Once physically wired to all devices, the MCC provides software control of the physical connections providing test set up flexibility and improved operating efficiency. The MCC allows expensive test equipment and lab infrastructure to be shared among system users.

ResourceFinder is one of the software options MRV offers to manage a multiple-MCC environment. ResourceFinder offers features to enhance the efficiency of managing the test infrastructure and automating test set up. A simple yet intuitive graphical user interface, (GUI) ResourceFinder focuses on improved efficiencies in three areas of the test lab:

- Mappings and Topologies
- MCC System Management
- Test Resource Management

Applications

- Test Lab test management and automation
 - Hardware and software verification
 - Interoperability testing
 - Proof of concept
 - Pre-sales staging

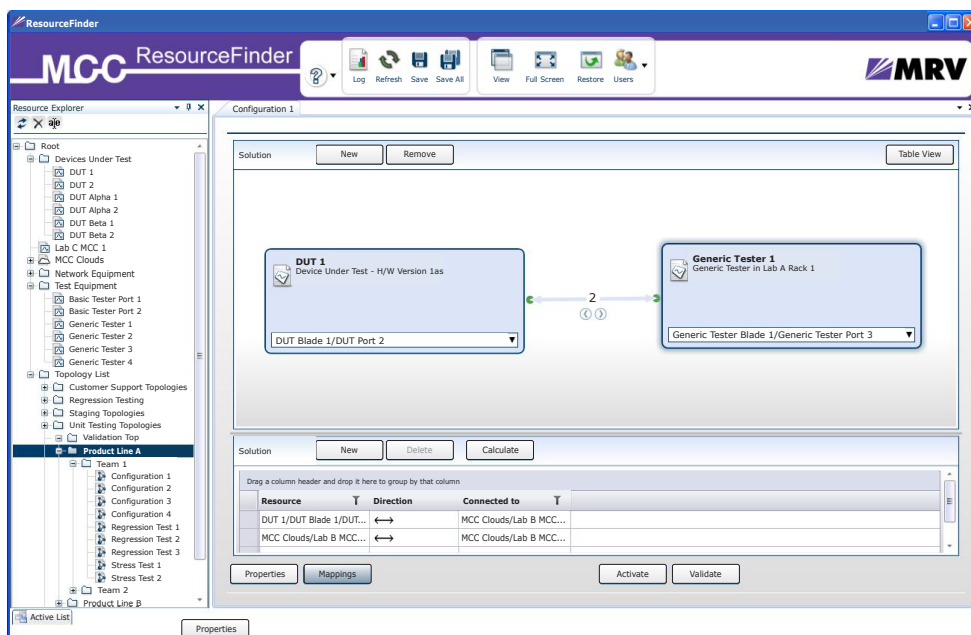
Highlights

- Transparent multi-MCC chassis operation
- Automation support through reservations and scheduled execution
- Graphical tools for optimizing operations
- Scalable to manage thousands of MCC ports
- Resource inventory management and usage optimization

Benefits

- Increased test throughput
- Remote operation
- Optimum resource utility
- Decrease capital and operational expense
- Cornerstone to 24/7 testing

ResourceFinder Topology View



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MAPPINGS AND TOPOLOGIES – A PICTURE IS WORTH A THOUSAND WORDS

ResourceFinder makes mapping and configuring test topologies a breeze. The mapping editor simplifies test set up with “point and click” and “drag and drop” tools. The graphical model and icons make creating accurate topologies simple. Often-used topologies can be stored and recalled as needed reducing set up time and configuration errors. Using stored topologies increases the accuracy of repeated tests and test simulations reducing the need for retests.

The port naming feature allows users to label end devices, test equipment, devices under test, and other lab infrastructure equipment with familiar conventions for ease of identification. Testers can set up tests using only the end device names, and ResourceFinder configures the optimum path between them. Users can also reserve devices to ensure that equipment is available when it is needed, which eliminates time wasted searching for available test equipment.

ResourceFinder includes a scheduling feature to apply topologies individually or by groups, and ports can be locked to avoid interruption of current or scheduled tests. These features pave the way for total test automation and 24/7 lab operation.

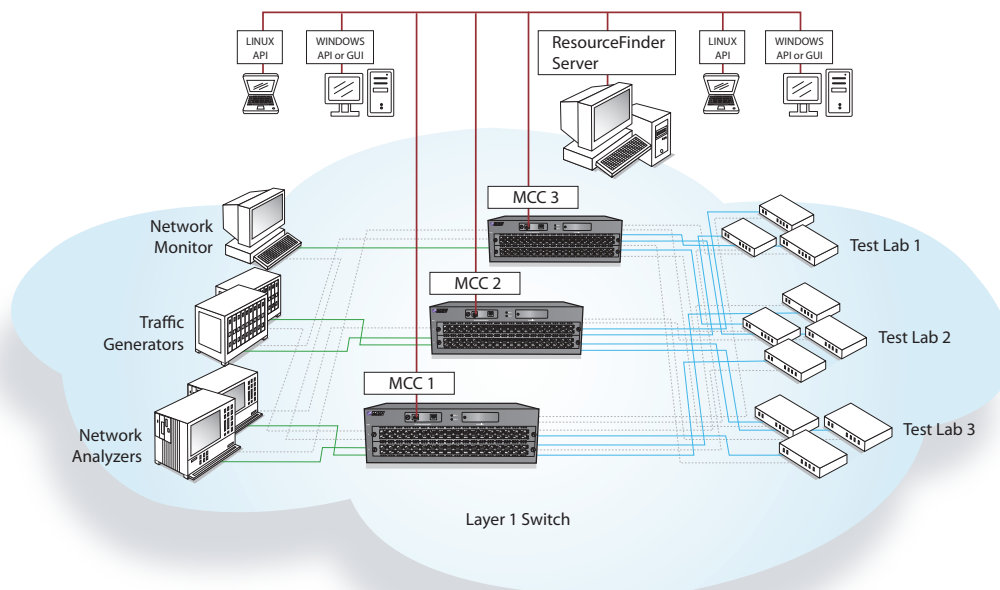
SYSTEM MANAGEMENT – ENHANCED EFFICIENCY

ResourceFinder makes managing and configuring the MCC easy. It queries each MCC chassis in the lab and intuitively stores the configuration into the database. Chassis configurations can be imported, exported, saved and reloaded as desired. Port status indicators give the administrators a snapshot of chassis mapping activity and monitor the health of the MCCs down to the SFP level.

In multi-MCC chassis environments, inter-chassis links are defined once and then intuitively used by ResourceFinder to provide the optimum path in mapping between chassis. Usage of inter-chassis links is tracked and made available for administrators to analyze.

Administrators can define permissions for each user or group of users in a variety of ways on multiple levels; permitting user access to certain MCC chassis, blades or group of ports. Scheduled maintenance or upgrades can be seamlessly performed by using ResourceFinder’s reservation capability. Reserve an entire chassis or group of ports when maintenance is required and testers will not be allowed access during that time.

ResourceFinder Advantage





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RESOURCE MANAGEMENT – KNOWLEDGE IS POWER

ResourceFinder provides the ultimate resource management by simplifying equipment inventory. A wide-range of reporting options is available with ResourceFinder. Administrators can track equipment usage through a variety of flexible queries and filters that provide comprehensive statistics and path analysis for equipment allocation and future capital expenditures. Reports for activities such as port usage, inter-chassis link usage, user activity and time and length of reservations can be generated and exported to Excel, HTML or PDF formats for analysis and planning purposes.

RESOURCEFINDER SYSTEM REQUIREMENTS

Requirements	
Server Software	.NET Framework 2.0, 3.0 & 3.5
Server Operating System	Windows XP SP3, Window7, Windows 2003, Windows 2008, Windows 2008R2 both 32 and 64 bit
Server Hardware	Pentium Dual/Quad Core, 4GB RAM, 100GB hard disk storage
Client GUI	.NET Framework 2.0, 3.0 & 3.5
Client API	Linux and Windows ActiveState TCL (Only version 8.4 is supported)
Client Operating System	Windows (API or GUI), LINUX (API)
Database	SQL Server Microsoft SQL 2005 Express, Standard, Enterprise, SP 2 or Oracle 11g R2 Standard Edition

ResourceFinder is one of many products offered by MRV that increases the efficiency in the dynamic testing environment, enabling more tests in less time with fewer resources. Contact a nearby authorized MRV Communications representative or visit the MRV website at <http://www.mrv.com/tap> for additional information.

MRV has more than 50 offices throughout the world. Addresses, phone numbers and fax numbers are listed at www.mrv.com. Please e-mail us at info@mrv.com or call us for assistance.

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