



# NetRouter

## KEY FEATURES AND BENEFITS

**Optimize the entire distribution network.** NetRouter's proprietary algorithms provide optimization of the distribution network.

**Delivery Cost Savings to 25 percent!** Using NetRouter to generate routing can help improve vehicle utilization, reduce fuel consumption, and save time... leading to savings on the bottom line.

**Select routes for delivery by common carrier vs private truck fleet.** NetRouter evaluates delivery costs on a per point and per route basis, allowing proactive shipping assignments.

**Model variations in distribution parameters.** Change the distribution center location or truck size to establish optimal parameters for those variables.

**Perform profitability analysis of customers.** Use NetRouter's sophisticated modeling routines to evaluate actual shipping costs on a per customer basis.

**Integrate the customers of acquired businesses into the existing distribution network.** Run new routing reports on demand, on line any time.

**Solve large route optimization problems very quickly.** Based on RS/6000 technology, NetRouter servers are fast. Very fast.

**Generate extensive reports about orders delivered and routes created.** NetRouter's rich reporting features provide valuable business data.

## NetRouter™ - A Simple Solution to Your Complex Delivery and Distribution Problems.

### Route Optimization

NetRouter is a Web-based application that can save up to 25% of delivery costs through optimization of distribution and route assignments. NetRouter is based on a Lotus Domino server interfacing with a proprietary optimization engine that has been in development for over 12 years. It combines the power and simplicity of the Web with the proven experience of a workhorse desktop application.

### Solutions Modeling

NetRouter creates an overall optimum distribution network to minimize delivery costs, making the most efficient assignments of customer locations to distribution centers. Through its proprietary algorithms, NetRouter solves complex distribution modeling, distribution planning, and route optimization problems. NetRouter also addresses capacity planning, fleet assignments and other route optimization variables.

### Distribution Assignment

NetRouter optimally assigns customer delivery locations, or company-owned stores, to the best distribution center location in a multi-distribution center environment. It can then be used to consolidate orders and create optimal routes for orders to be delivered from each distribution center. NetRouter creates a detailed report with important information regarding each route that is created. NetRouter receives order entry data, as well as parameters and constraints, from client machines using a Web browser.

### Varied Applications

NetRouter can be used for solving routing problems for many industries or services, in small, medium or large companies. In addition to obvious applications such as medium and long haul food deliveries, it is applicable to typical short haul service industries such pest control or HVAC contracting. NetRouter is very fast, solving a 500-order routing problem in 30 seconds.

Customers/Orders - Netscape

Customers/Orders

customer #	address	state	latitude	lon
[Edit] 2	3901 BENEDICT LANE	TX	303077	97
[Edit] 3	4304 TALLOWOOD	TX	303682	97
[Edit] 6	1208 INKS	TX	302659	97
[Edit] 22	7130 VALBURN	TX	303671	97
[Edit] 24	1503 MARSHALL	TX	302821	97
[Edit] 28	108 WEST 32ND STREET	TX	302968	97
[Edit] 29	4910 WEST PARK	TX	303266	97
[Edit] 30	10204 HOLME LACEY	TX	304299	97
[Edit] 31	2607 VELASQUEZ	TX	303044	97
[Edit] 32	3400 MOUNT BONNELL	TX	303475	97
[Edit] 37	RT 2 BOX 42	TX	306697	97
[Edit] 38	2203 MEADOWBROOK	TX	302967	97
[Edit] 39	5703 COSTAS COVE	TX	304052	97

**Track Customer Orders**  
NetRouter enables tracking of your customers and their orders for distribution management.

Netscape

NetRouter™ Routing Report

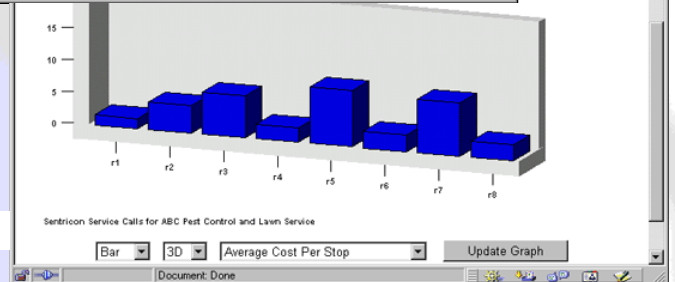
Show main report Show summary report Show graphs Download main report Download summary report

ROUTE NUMBER 010599 - 1  
TERMINAL IS ABC Pest and Lawn Services

CLIENT	ZIP	FEET	PIECES	MILES TO	TRAVEL/ UNLOAD TIME
1 7307 GROVER AVENUE TX	78757	128	10	2.8	0:16
2 1007 ALEGRIA TX	78757	182	10	.8	0:15
3 4602 SHOALWOOD TX	78756	158	10	1.7	0:16
4 5903 BULL CREEK ROAD TX	78757	247	10	1.3	0:15
5 1800 ULRICH DRIVE TX	78756	178	10	.6	0:15
6 3206 PICKWICK TX	78757	252	10	1.3	0:15
7 7500 WOODROW TX	78757	311	10	1.0	0:15
8 2205 KENBRIDGE DRIVE TX	78757	239	10	.9	0:15
TERMINAL				2.0	0:02

MILES= 12.5 FEET= 1695 PIECES= 80 BACK FEET= 0 TIME= 2.2 HOURS  
MILEAGE COST= 12.51 TIME COST = 21.52 GALS FUEL USED= .70  
TOTAL COST FOR ROUTE= 12.51 GASOLINE COST= .70  
TOTAL DRIVER TIME = .2 HOURS MILES PER GALLON = 18.0

**Schedule Distribution Routes**  
Use NetRouter to generate the most optimum route efficiency for scheduling distribution.



**Graph Pertinent Route Data**  
Plot your optimization data on a graph for a visual summary.

## KEY FEATURES AND BENEFITS

**Develop new or existing business markets.** NetRouter's sophisticated analysis tools allow planners to spot market opportunities.

**Use the Web as an interactive commerce enabler.** NetRouter allows you to use the open standards of the Web in combination with best of breed optimization algorithms.

**Security in an unsafe world.** NetRouter employs Domino's security model to assure safety of your data.

## Secure Web based Application

Based on proven Lotus Domino technology from IBM, NetRouter is a secure Web application. This means your company's routing data and customer information can be entered into the system with confidence. Previously generated reports are stored in a secure area for your future reference.

## Experience NetRouter Yourself

Experience this interactive commerce enabler for yourself. Point your browser to <http://www.netrouter.com> and follow the links to the online demo. Or, contact your IBM enterprise solutions representative. You may also contact NetRouter directly at 512 496 6630 or via email at [bbradford@netrouter.com](mailto:bbradford@netrouter.com).



[www.netrouter.com](http://www.netrouter.com)

