



Hosted Solutions System Requirements

Version 1.5

October 4, 2010

## Hosted Solutions - Workstation Requirements

Category	Workstation Requirements
<b>Disk Space:</b>	10% or more free space recommended
<b>Video Resolution:</b>	1024 x 768
<b>Operating System:</b>	Windows® XP Professional, Windows Vista® Business or Ultimate, Windows 7 Professional or Ultimate
<b>Browser:</b>	Internet Explorer® 6.0 SP1, 7.0, 8.0
<b>Regional Settings/Foreign OS:</b>	See Newmarket International's Compatibility Grid
<b>Printing:</b>	See Hosted Solutions - Printing Guidelines
<b>Microsoft Remote Desktop :</b>	Remote Desktop Connection (RDC) version 6.1 or later (Required ActiveX® control will be installed upon initial connection to Daylight or Delphi, where applicable) Microsoft .NET Framework 3.0 SP 1 or later
<b>Network Bandwidth:</b>	50 K per active user session recommended
<b>Network IPs &amp; Ports:</b>	<b>Daylight:</b> TCP port 80 (HTTP) outbound to <a href="http://daylightasp.newmarketinc.com">http://daylightasp.newmarketinc.com</a> <b>Delphi:</b> TCP port 80 (HTTP) outbound to <a href="http://delphiasp.newmarketinc.com">http://delphiasp.newmarketinc.com</a> TCP port 3389 (RDP) outbound to ANY destination
<b>Network Latency:</b>	150 ms or less round trip between workstation and Newmarket's Data Center recommended. Packet loss must be less than 1%.
<b>DNS:</b>	For properties outside of North America using the Content Delivery Network option, Internet hosts must be resolved locally. This means that the DNS server resolving SRIP.NET and NEWMARKETINC.COM must see the local site's external IP address as the source.

### Additional Information for Customers

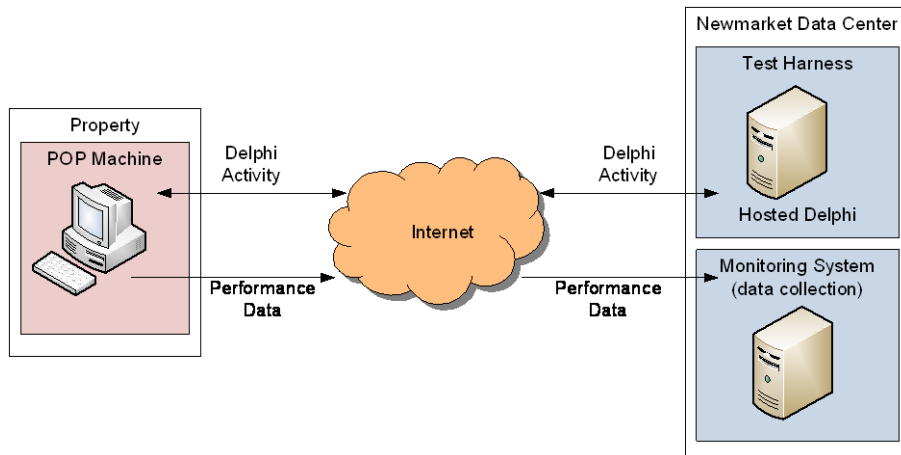
- These system requirements are the minimum guidelines.
- If the system requirements are not met, the customer assumes responsibility of performance and compatibility issues as a result thereof.
- The customer assumes responsibility for the ongoing maintenance, virus protection, data backup, and security of their client workstations.

## Hosted Solutions - Monitoring Requirements

Prior to going live with a hosted solution, Newmarket will install a service that monitors the performance of the application on a per location basis. The primary goal of the monitoring is to determine if network latency will adversely affect the application's performance.

The monitoring service is enabled by configuring a dedicated workstation (POP machine) that communicates to the hosted environment (test harness) over the Internet and executes predefined application actions. Data is continuously collected on the performance of these actions. At the conclusion of the five-day monitoring period, a Newmarket engineer will present a data analysis report.

\*All testing is based on Delphi transactions.



Category	Monitoring Requirements
<b>Workstation:</b>	See Hosted Solutions - Workstation Requirements All power settings must be disabled Screen savers must be disabled
<b>Network IPs and Ports:</b>	TCP port 3389 (RDP) and ICMP outbound to ANY destination

## Hosted Solutions - Printing Guidelines

Newmarket has found that most printer models function properly. Newmarket does not have application constraints with respect to printing in the hosted environment as long as the printer is supported by the local Windows client.

### Printing Best Practices

- If you are purchasing a new printer, consider a current HP LaserJet 1000 or 4000 series printer as Newmarket has experienced favorable results with them.
- The printer should support the HP PCL driver format.
- The printer should be a network printer (not connected to the local workstation).
- Set the printer to be used with the hosted solution as the default printer prior to establishing the terminal services session.
- Use the latest supported drivers available for the local workstation's operating system.