

Delphi[®] as a Service
Daylight[®] as a Service
System Requirements and Configurations
Revision 1.8
January 19, 2012

Workstation Requirements

Category	Requirements
Processor:	2.0 GHz
Memory:	2 GB
Operating System:	Windows [®] XP Professional, Windows Vista [®] Business or Ultimate, Windows 7 Professional or Ultimate
Browser:	Internet Explorer [®] 8.0, 9.0
Microsoft Remote Desktop:	Remote Desktop Connection (RDC) version 7.0 or later. See endnote for link to Microsoft download and additional requirements when using RDC 7.0. ¹ (Required ActiveX [®] control will be installed upon initial connection to Daylight)
Other:	Microsoft .NET Framework 3.5 SP 1 or later
Regional Settings/Foreign OS:	Please contact Newmarket Support to determine if your location's regional settings are supported.

Network Requirements

Category	Requirements
Bandwidth:	50 kbps or better per active user session recommended
IPs and Ports:	Daylight: TCP port 80 (HTTP) outbound to http://daylightasp.newmarketinc.com Delphi: TCP port 80 (HTTP) outbound to http://delphiasp.newmarketinc.com TCP port 443 (HTTPS) outbound to https://daas.newmarketinc.com TCP port 443 (HTTPS) outbound to https://rdg.newmarketinc.com TCP port 3389 (RDP) outbound to ANY destination
Latency:	150 ms or less round trip between workstation and Newmarket's Data Center recommended. Packet loss must be less than 1%.
DNS:	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

- These requirements are the minimum guidelines.
- If the 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 protection², data backup, and security of their client workstations.

End Notes

¹ Please go to <http://support.microsoft.com/kb/969084> to download the RDC 7.0 client and obtain additional information. Go to <http://support.microsoft.com/kb/951608> for information on turning on CredSSP for Windows XP.

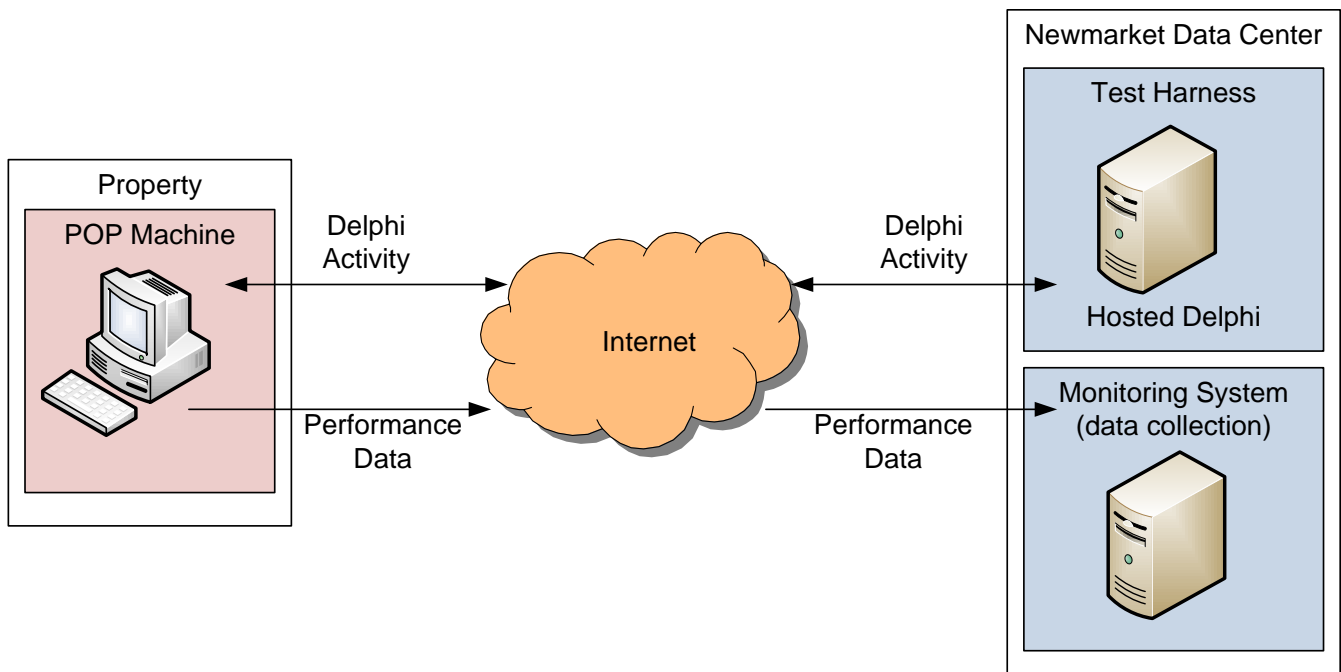
² Newmarket Antivirus Policy: This policy is designed to protect Newmarket's customers from intrusion, viruses, and other malware that may be present on their client devices. Newmarket recommends an enterprise class antivirus package with automatic definition updates for any client device connecting to a Newmarket hosted application. Your client device may be subject to scanning, cleaning, quarantining, and/or removal of any files identified as infected by Newmarket's antivirus system. Files that are quarantined or removed will not be recoverable.

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, Newmarket will present a data analysis report.

*All testing is based on Delphi transactions.



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.

Workstation Configuration

The following procedures describe how to configure workstations to optimize the performance of the hosted solution.

Internet Explorer Configurations - REQUIRED

1. Add and configure the hosted solution as a trusted site.
 - a. Open Internet Explorer.
 - b. Click **Tools > Internet Options > Security > Trusted Sites > Sites** to open the Trusted Sites window.
 - c. Clear the **Require Server Verification** check box.
 - d. In the **Add This Website to the Zone** field, enter <http://delphiasp.newmarketinc.com> and <https://daas.newmarketinc.com> for Delphi, or <http://daylightasp.newmarketinc.com> for Daylight.
 - e. Click the **Add** button.
 - f. Click **Close** to return to the Internet Options window.
 - g. Click the **Custom Level** button to open the Security Settings window.
 - **Daylight Only** - Scroll down to the **ActiveX Controls** section and enable all of them.
 - **Daylight and Delphi** - Scroll down to the **Downloads** section, and enable **Automatic Prompting for File Downloads**.
 - h. Click **OK** to return to the Internet Options window.
 - i. Click **Apply** and **OK** to save and exit.
2. Turn off pop-up blockers.
 - a. In Internet Explorer, navigate to [http://delphiasp.newmarketinc.com/\(yourcompanyname\)](http://delphiasp.newmarketinc.com/(yourcompanyname)) for Delphi, or to [http://daylightasp.newmarketinc.com/\(yourcompanyname\)](http://daylightasp.newmarketinc.com/(yourcompanyname)) for Daylight. Contact Newmarket if you don't know the specific URL for your company.
 - b. Click **Tools > Pop Up Blocker > Turn Off Pop-Up Blocker**.
3. Set the compatibility view display.
 - a. In Internet Explorer, click **Tools > Compatibility View Settings** to open the Compatibility View Settings window.
 - b. In the **Add This Website** field, enter <http://delphiasp.newmarketinc.com> and <http://daas.newmarketinc.com> for Delphi, or <http://daylightasp.newmarketinc.com> for Daylight.

General Configurations

1. Disable power management on the NIC (failure to do so will result in application “disconnects”).
2. Set the screen resolution to 1024 x 768 or higher.

General Performance Configurations

1. Update the NIC driver to the latest version.
2. Update virus definitions and scan for viruses/spyware.
3. Use the default Windows theme (no live desktops or transitioning desktop wallpapers).
4. Set Windows visual effects to **Adjust for Best Performance**.
5. Set virtual memory to **Automatically Manage Paging File Size**.
6. Ensure a minimum of 15% free disk space.
7. Adjust performance settings to optimize performance for foreground applications.

Additional Information

Reference the following Microsoft best practices for improving workstation performance:

Windows XP

<http://support.microsoft.com/kb/308417>

http://www.microsoft.com/resources/documentation/windows/xp/all/proddocs/en-us/computer_maint_perf_mgmt.mspx?mfr=true

Windows Vista

<http://windows.microsoft.com/en-US/windows-vista/Optimize-Windows-Vista-for-better-performance>

Windows 7

<http://windows.microsoft.com/en-US/windows7/Optimize-Windows-7-for-better-performance>