



HP Velocity User Guide for Thin Clients

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About this document

Purpose

This document describes how to start, monitor, and display information about HP Velocity. It is specific to thin clients running Microsoft Windows operating systems.

Intended audience

This document is intended for users of HP thin clients running HP Velocity.

Document styles and conventions

In this document, the following styles are used.

Style	Description
<i>Start > Edit > Cut</i>	Any elements on screen such as menus, or buttons use this format.
<i>Select directory screen</i>	A screen or dialog box name uses this format.
<code>myfile.txt</code>	Filenames, directory names, and command line text use this format.
Sample Product	Links in the document to locations inside and outside the document use this format.
Example book	Links to external published documents, books, and articles use this format.

In this document, the following conventions are used

Convention	Description
<code><sample_name></code>	Replace the whole text including angle brackets with the expected value. For example, replace <code><exec_filename></code> with <code>example.exe</code> when entering this command.
<code>{option1 option 2}</code>	When entering the command, choose one of the options presented.

User Guide

This section includes:

- [HP Velocity overview](#)
- [Starting the HP Velocity System Tray Application](#)
- [Identifying and setting HP Velocity operational modes](#)
- [Displaying accelerated or monitored stream count](#)
- [Displaying HP Velocity thin client information](#)

HP Velocity overview

HP Velocity is a Quality of Service (QoS) system that improves overall Quality of Experience (QoE) for real-time network applications.

Streaming real-time applications over data networks will often suffer from packet loss and transmission latency; this results in stop-and-go behavior, loss of interactivity, and an overall reduction of an application's throughput. Ultimately, application users are likely to find themselves dissatisfied with the experience.

HP Velocity easily integrates with existing systems to improve a streaming application's QoE by addressing the underlying problems found in today's networks: packet loss, transmission latency, and jitter.

Automatic discovery, session establishment, and session management are performed by HP Velocity-enabled endpoints.

HP Velocity continuously monitors end-to-end network conditions to select the most appropriate data delivery mechanism. Packet loss is automatically reduced and transmission latency is minimized, thereby improving an application's QoE and throughput.



NOTE: HP Velocity only accelerates streams between HP thin clients and HP Velocity-enabled virtual desktops or terminal services servers.

Benefits of HP Velocity

Adaptive network analysis	HP Velocity continuously monitors end-to-end network conditions for individual data streams, providing adaptive optimizations and data stream acceleration.
Packet loss protection	HP Velocity protects against packet loss, which is key to improving an application's QoE. Even in small amounts, packet loss will reduce application throughput, degrade or halt streaming applications, and introduce lag for interactive applications.
Congestion detection	HP Velocity automatically detects network congestion and adjusts the amount of redundancy, thus maximizing QoE over data networks.
WiFi acceleration	HP Velocity automatically reduces latency and transmission times for wireless networks and minimizes protocol overhead, resulting in improved QoE for WiFi applications.
Seamless integration	HP Velocity is a transparent, “plug and play” solution, which provides QoE benefits to all applications and users.
Lightweight	HP Velocity is delivered as a lightweight implementation, which achieves QoE benefits while keeping system resource utilization to a minimum.

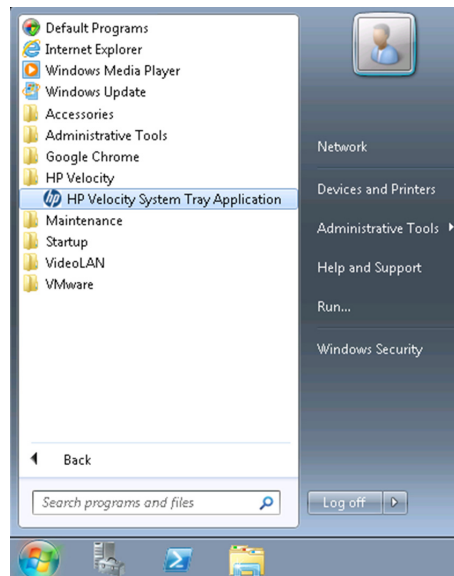
Starting the HP Velocity System Tray Application

The HP Velocity System Tray Application controls the operational mode of HP Velocity. It automatically launches on system startup. However, it may also be launched by performing the following steps.

To start the HP Velocity System Tray Application:

1. Go to the Windows Start menu.
2. Go to **HP Velocity > HP Velocity Tray Application**.
3. Select **HP Velocity System Tray Application** as shown in [Figure 1](#) below.

Figure 1. Windows Start Menu showing the HP Velocity System Tray application



When HP Velocity is running on an HP thin client, virtual desktop, or a terminal server, an icon appears in the Windows System Tray, as shown in [Figure 2](#) below. The icon color will change based on the current operational mode of HP Velocity.





Figure 2. Windows System Tray with the HP Velocity System Tray Application



Identifying and setting HP Velocity operational modes

The HP Velocity System Tray Application icon is displayed in one of four colors that correspond to different HP Velocity operational modes.

The following table describes the icon colors, operational modes, and their behaviors.

Icon	Color	Mode	Description
	Green	Active	HP Velocity is actively accelerating one or more streams.
	Blue	Active	HP Velocity is active but no accelerated streams have been established.
	Orange	Monitoring	HP Velocity is profiling present and trending network conditions. In this mode HP Velocity does not accelerate streams.
	Gray	Disabled	HP Velocity is disabled.

Setting HP Velocity mode of operation

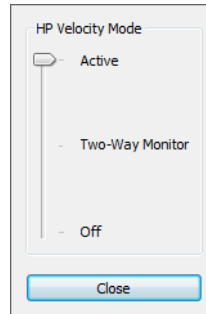
Once the HP Velocity System Tray Application is running, select the desired HP Velocity mode of operation using the slider, as shown in [Figure 3](#) below.

An administrator should only change the HP Velocity mode of operation:

- During troubleshooting to disable HP Velocity
- After troubleshooting to re-enable HP Velocity
- As directed by HP support

To set the HP Velocity System Tray operational mode:

1. Select the icon in the Windows System Tray.
2. In the resulting dialog box, select the slider control shown in [Figure 3](#) below.
3. Move the slider control to the new mode.

Figure 3. HP Velocity operational mode selection slider

NOTE: To change the HP Velocity mode of operation, administrator privileges are required.

Displaying accelerated or monitored stream count

Position the cursor over the HP Velocity icon to display a tool tip with the number of active streams.

Displaying HP Velocity thin client information

To obtain the version of HP Velocity on a thin client:

1. Right-click the HP Velocity System Tray icon.
2. Select **About**.



NOTE: This is the HP Velocity release number. It is not the HP thin client image release number.