

Cache appliances are dedicated servers that store multimedia content locally within your district's network. By functioning as a proxy server, content requests are fulfilled by this local server instead of being downloaded from within the program. Cache appliances can be populated with nearly 100% of Hybridge and Pathblazer multimedia content.

Benefits of Using Cache Appliances

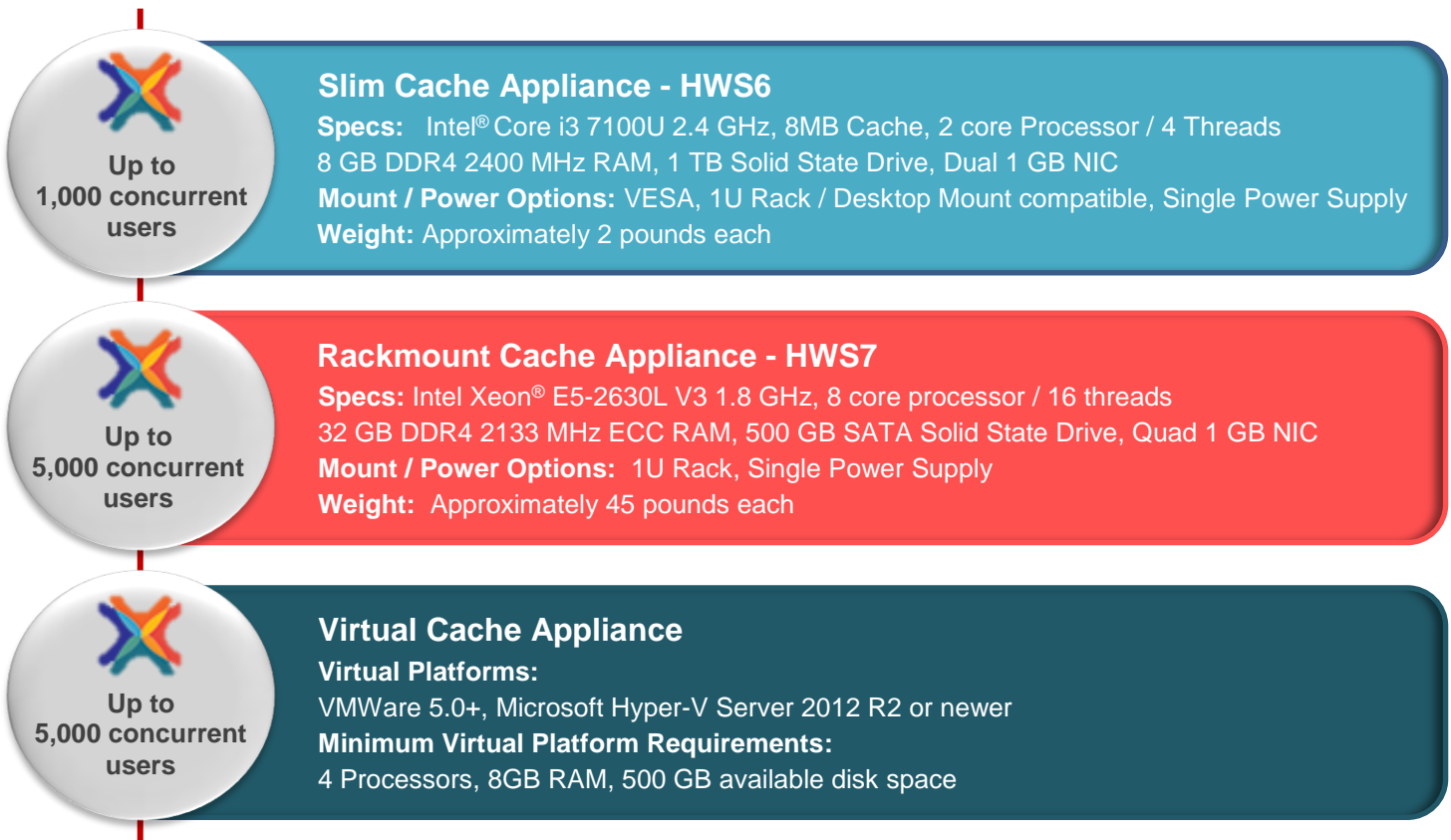
Bandwidth requirements for Hybridge and Pathblazer content can be reduced by over 80% due to multimedia content within a cache appliance being housed locally and served from within your school/district network.

Benefits include:

- ✖ Faster load times
- ✖ Reduced bandwidth requirements
- ✖ Improved user experience

Cache Appliances

Edgenuity offers three (3) cache appliances to our Hybridge and Pathblazer customers based on concurrent user needs. Each appliance is a self-contained, read-only device rated for concurrent user connections.



The infographic consists of three horizontal bars, each representing a different cache appliance. Each bar has a circular icon on the left containing the Edgenuity logo and the number of concurrent users it supports. The bars are colored blue, red, and dark blue from top to bottom.

- Slim Cache Appliance - HWS6**
Up to 1,000 concurrent users
Specs: Intel® Core i3 7100U 2.4 GHz, 8MB Cache, 2 core Processor / 4 Threads
8 GB DDR4 2400 MHz RAM, 1 TB Solid State Drive, Dual 1 GB NIC
Mount / Power Options: VESA, 1U Rack / Desktop Mount compatible, Single Power Supply
Weight: Approximately 2 pounds each
- Rackmount Cache Appliance - HWS7**
Up to 5,000 concurrent users
Specs: Intel Xeon® E5-2630L V3 1.8 GHz, 8 core processor / 16 threads
32 GB DDR4 2133 MHz ECC RAM, 500 GB SATA Solid State Drive, Quad 1 GB NIC
Mount / Power Options: 1U Rack, Single Power Supply
Weight: Approximately 45 pounds each
- Virtual Cache Appliance**
Up to 5,000 concurrent users
Virtual Platforms: VMWare 5.0+, Microsoft Hyper-V Server 2012 R2 or newer
Minimum Virtual Platform Requirements: 4 Processors, 8GB RAM, 500 GB available disk space

Additional Specifications for Cache Appliances

- ✖ **Operating System:** Linux® – Ubuntu® 14.04 LTS
- ✖ **Caching Software:** Squid
- ✖ Cache Appliances contain multimedia content for Edgenuity Hybridge and Pathblazer products.
- ✖ Edgenuity recommends cache appliances are placed within an environment suitable for computer equipment.
- ✖ Network configuration is the responsibility of the District. Please contact Edgenuity if changes occur within your network that may impact your cache appliance or if additional assistance is needed.

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