Cache Appliance Overview

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.

**Slim Cache Appliance - HWS6**

- **Specs:** Intel® Core i3 7100U 2.4 GHz, 8MB Cache, 2 core Processor / 4 Threads
- **Mount / Power Options:** VESA, 1U Rack / Desktop Mount compatible, Single Power Supply
- **Weight:** Approximately 2 pounds each

**Rackmount Cache Appliance - HWS7**

- **Specs:** Intel Xeon® E5-2630L V3 1.8 GHz, 8 core processor / 16 threads
- **Mount / Power Options:** 1U Rack, Single Power Supply
- **Weight:** Approximately 45 pounds each

**Virtual Cache Appliance**

- **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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