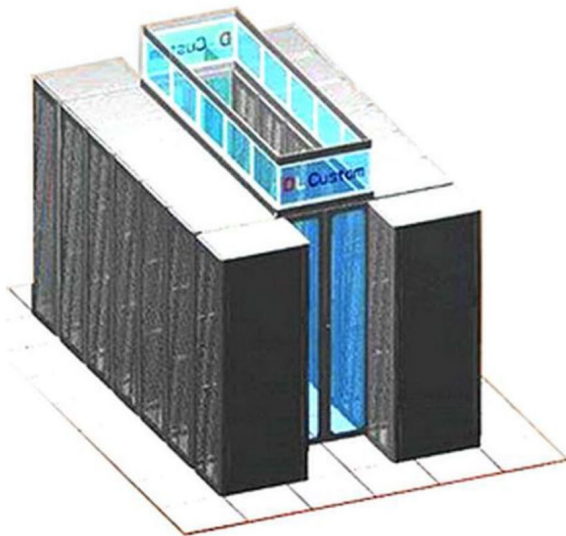
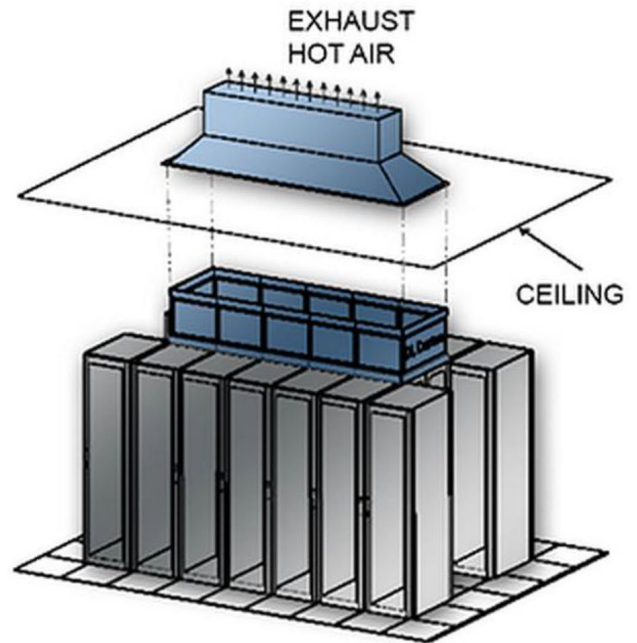


Cooling Solution

Passive Cooling

Passive cooling solutions offered by DLC use airflow management strategies to isolate and move hot air away from your server banks and up through chimneys or plenums where it can be delivered directly to your HVAC unit. The result is a more economical and space-saving solution to your server needs. With hot air from servers managed effectively you can increase server density there-by reducing floor-space requirements for your server room.

Shown here, the aluminum extrusion encases a clear Lexan cover, allowing light into the hot exhaust aisle and creating a plenum that forces hot air to rise. The entry-doors into the aisle are sealed with a brush in-fill and any open spots in the cabinet are closed with our quick-release blanking panels. Exhaust fans can be installed to move the hot air faster into air-return ducts. Server and passive cabinets can be joined together as shown.



Here is the same configuration shown without the ceiling. The chimney is extended into the drop ceiling where the hot air is delivered directly to the HVAC unit without raising the room's ambient temperature. This configuration has the following features:

- High-tech server rack
- Versatile IT racks
- High density patching frames
- Remote control of:
 - Access
 - Surveillance
 - Environment
 - Power
- High capacity cooling option
- Quick-fit accessories for existing data center