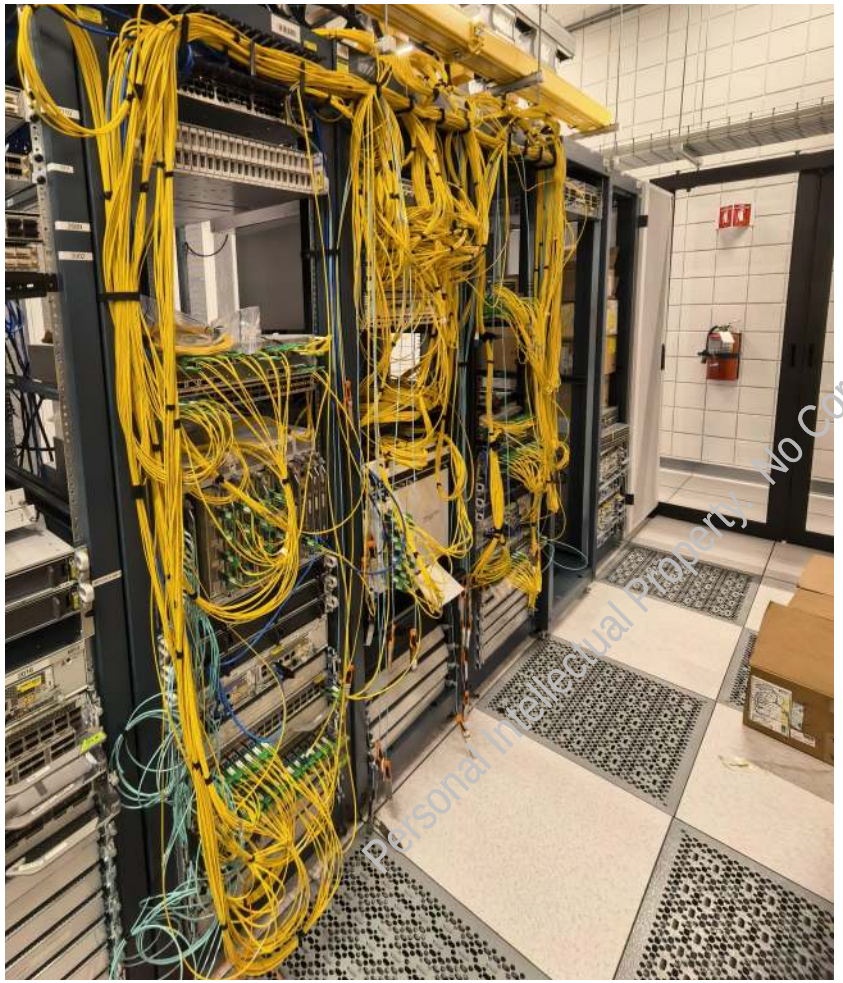
Examples of how to NOT data center!

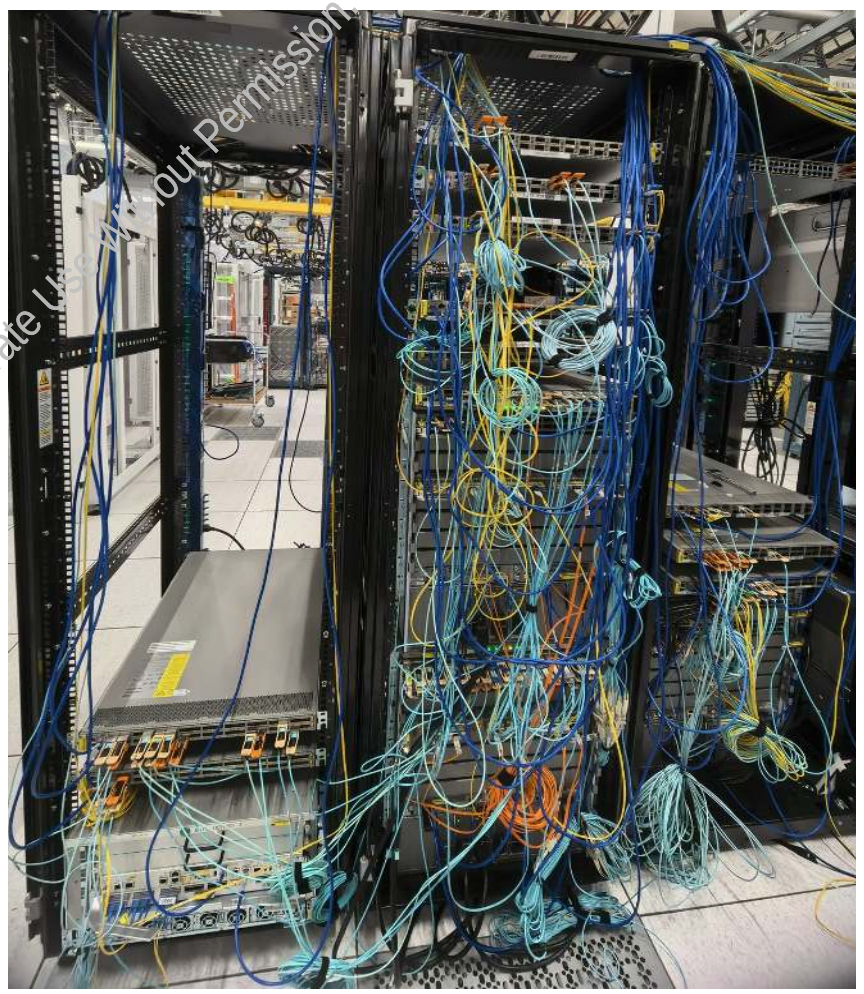
Examples of just bad cabling dressing/management
Examples of bad tile space utilization for optimal functionality
Examples of bad air flow ventilation racking
Examples of non-utilized cable tray installation
Examples of improper cabling procurement/utilization

A nightmare to run cables. Unreliable source/destination port mappings. Longer troubleshooting efforts. Nightmare environment to attempt to manage.

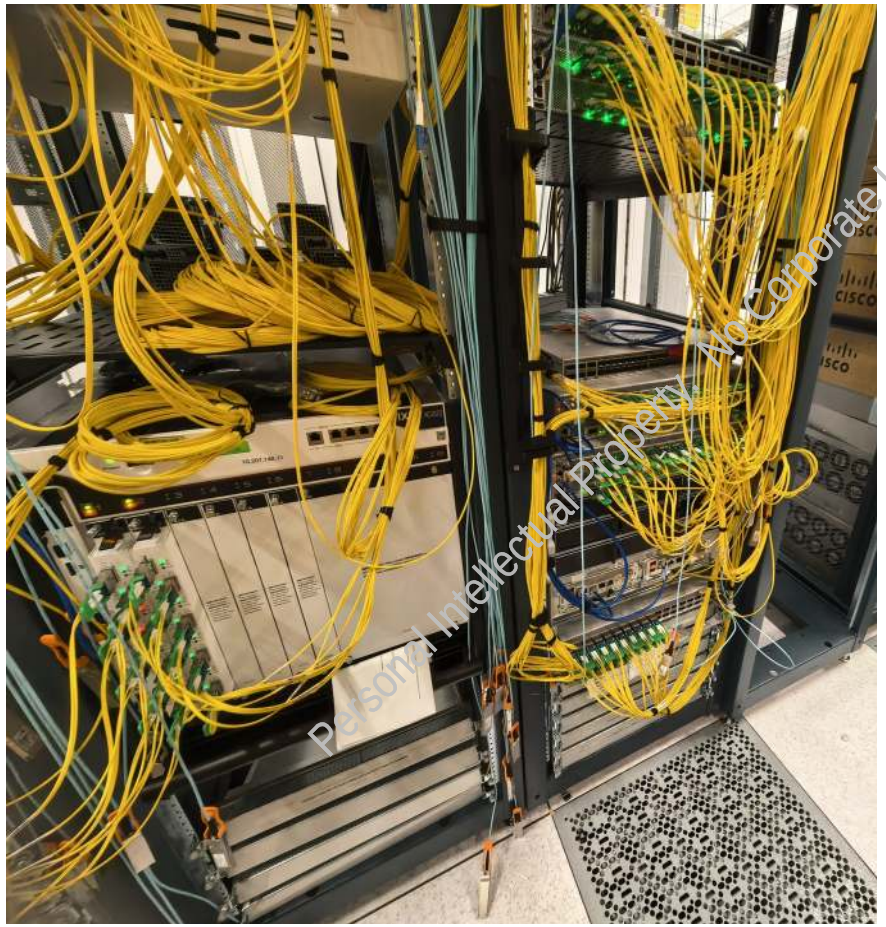
*Please disregard vendor branded rack/cabinets, this is not an indicator of the vendor, as all data center environments may have any combinations of racks/cabinets ;-)

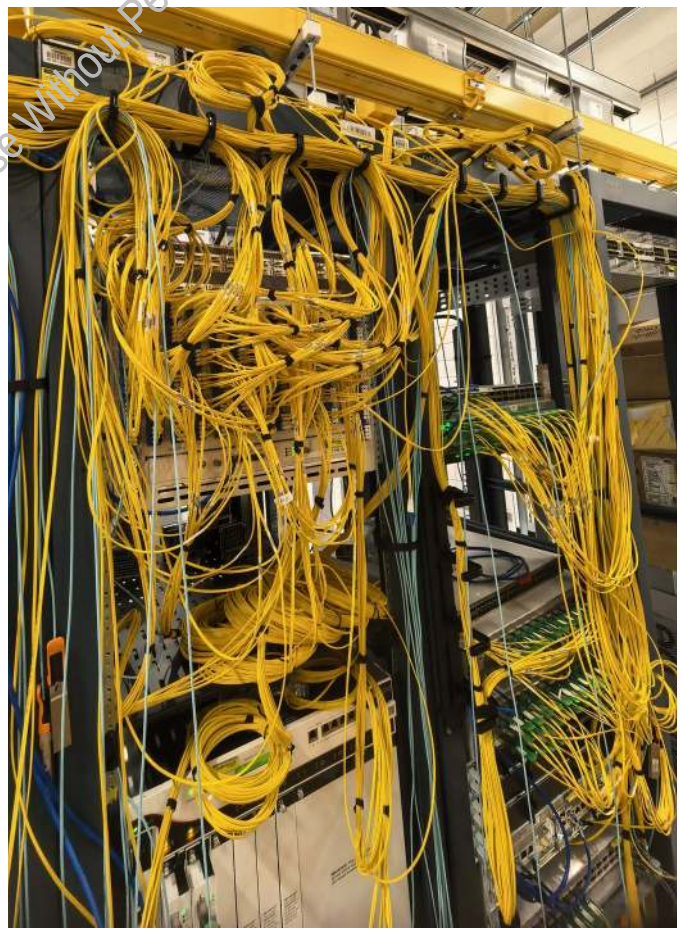
Just bad cabling management
No Use of cable management trays
Inappropriate cable length procurement for use



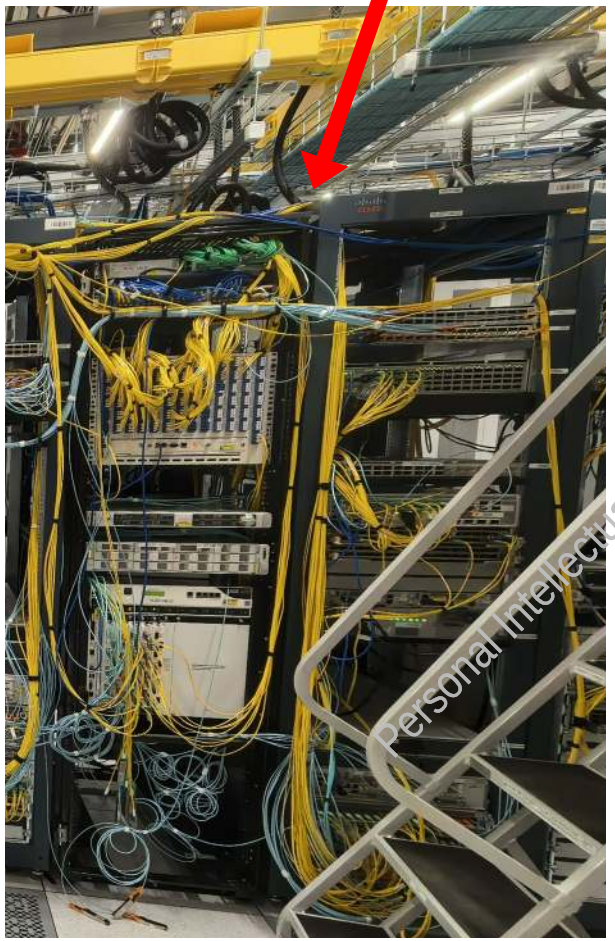


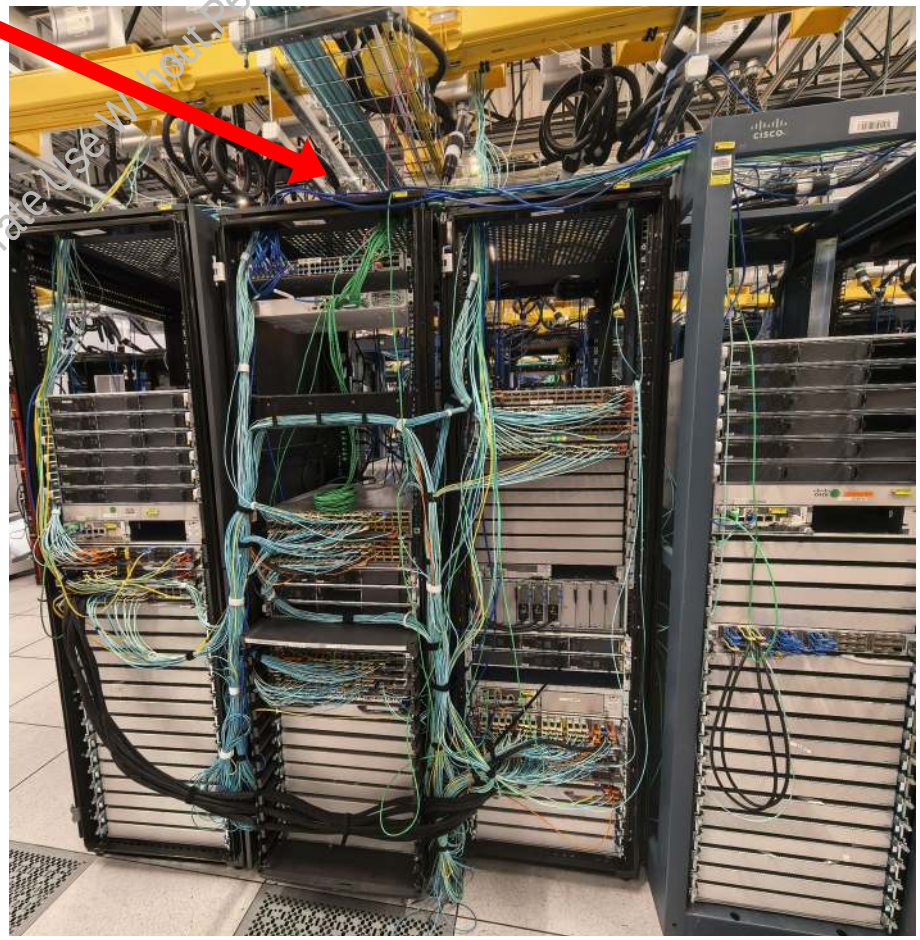
Just bad cabling management
Inappropriate cable length procurement for use
Inappropriate rack/cabinet/equipment combination/configuration, it should be flushed to the front or back or receded to allow for the cabling or utilization of management trays





Just bad cabling management
No Use of cable management trays
Inappropriate cable length procurement for use
Obstruction (cabinet) to cable tray access (NIGHTMARE for running cables)





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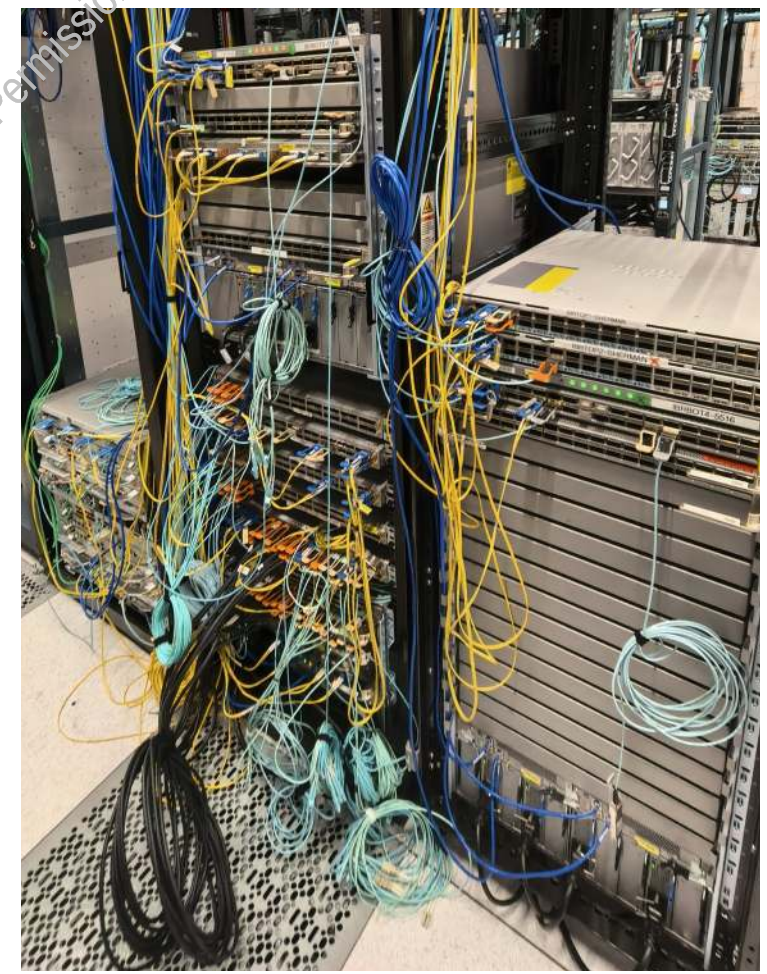
Just bad cabling management
No Use of cable management trays
Inappropriate cable length procurement for use
Obstruction of already limited – only 2 tile space, BAD design practice



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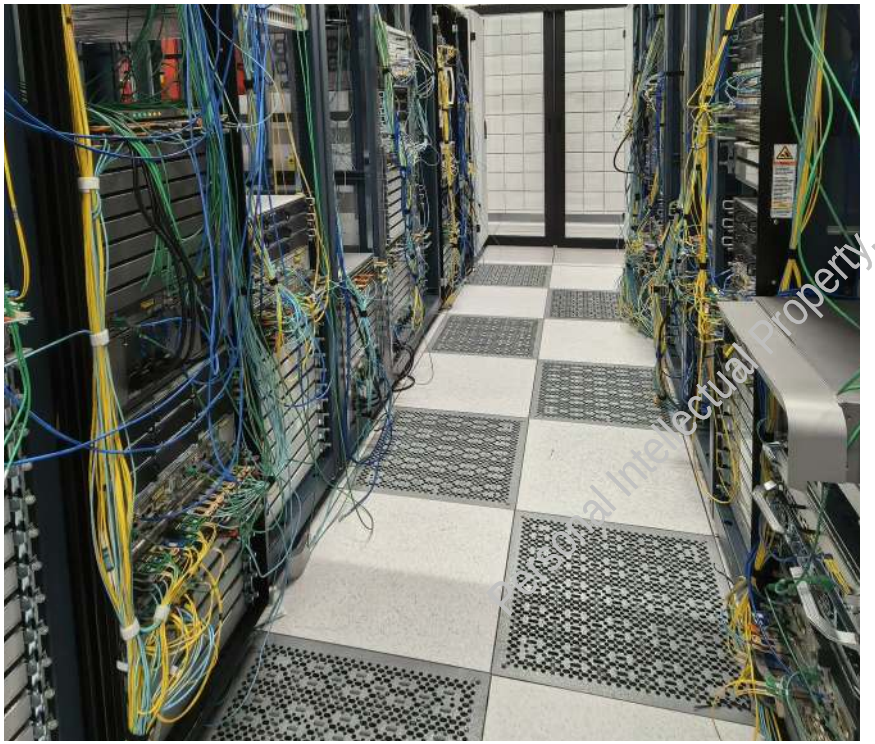
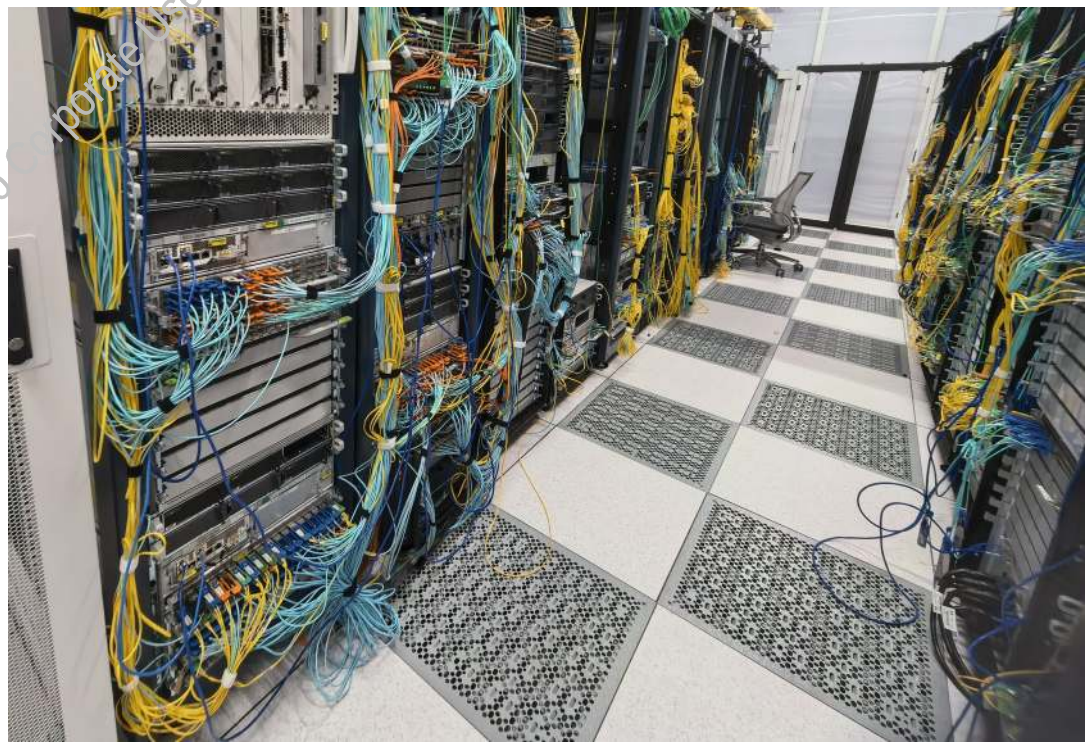
Just bad cabling management
No Use of cable management trays
Inappropriate cable length procurement for use

BAD design practice – only 2 tile space:

barely any room for maneuvering crash carts, equipment pallet jacks, etc...
checkered perforated airflow tiles, budget constraints approach for equipment airflow utilization rather than full solid rows of perforated tiles for adequate airflow/cooling





This particular environment seemed to intentionally break every data center best practices.

The massive patching panel row of fiber and copper was just dysfunctional, all the cable trays above was for this patching to every tile space for cabinets with a mini 8 port panel and every mid row was a fiber patch, that at most would run uplinks maybe up to 4 ports out of 16 available. There was no room for actual cables needed to be run to connect systems in the racks/cabinets.

The fiber patch that was supposed to repeat the signal, just blocked the signal due to the patch reversing the optical laser polarity (tx/rx) so at one end of the patching, you would need to manually reverse the polarity on the fiber cable.

Running infrastructure cabling of fiber and copper was double the effort of the mini patch panel of the copper at every tile space back to the uplinks patch panel row.

The tile naming convention was dysfunctional because they couldn't be on the same page, they would name the tiles 1-8 in one direction, then renamed those same tiles 1-8 in the opposite direction. Any comprehensive understanding of the port mappings was olympic level mental gymnastics

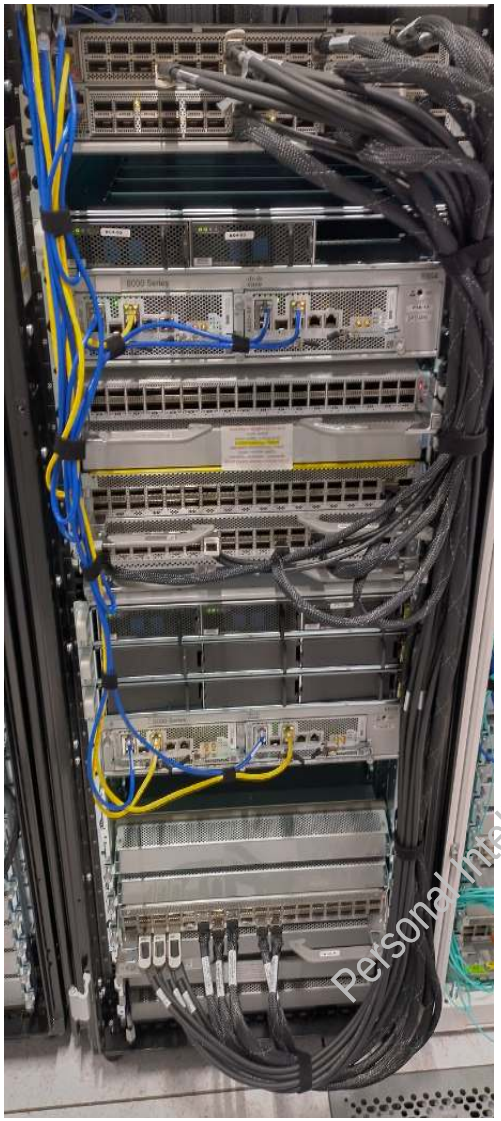
Every 'client' had access to just do 'whatever' rather than standardized lab tech/engineering hands on support that was 'dedicated' for such purposes.

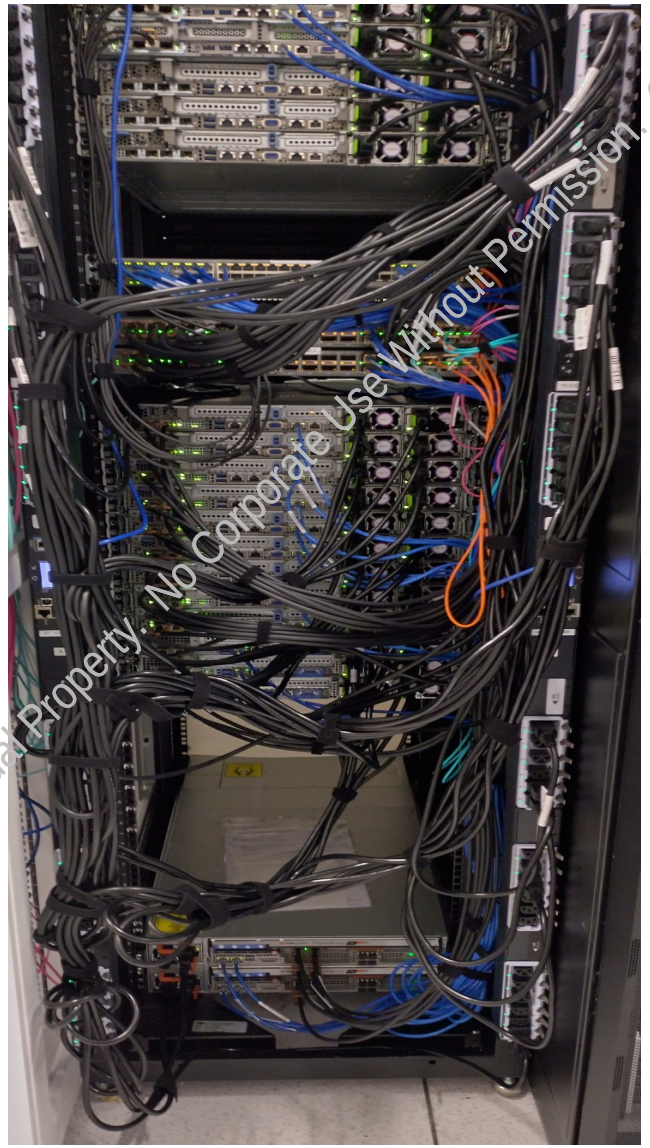
The rack/cabinets were not aligned/flushed to the tile space, there was barely 1.5 tile space width between lab double doors/entry to where the 'rows' of racks/cabinets started and end...aka no aisles, it was barely enough to pass fire code inspections like ~50" or so…

Combination of tile spaces to call it a row or a location, but no racks or cabinets aligned to a tile space, so poor rack/cabinet to tile space environment mapping.

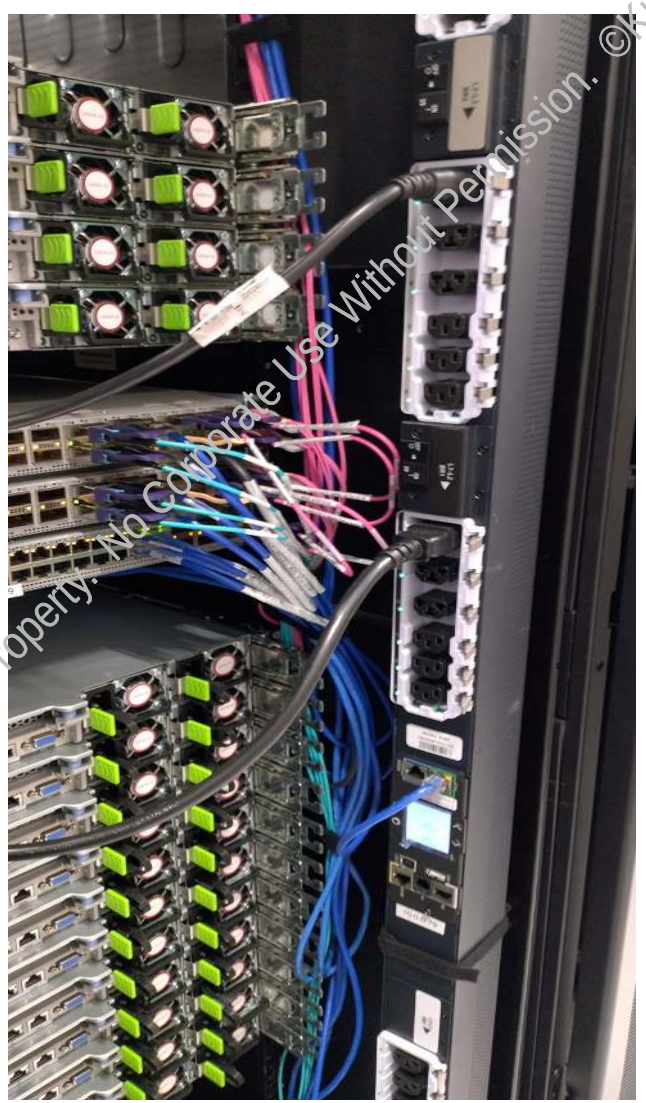
This environment was a nightmare to manage and support.

Amongst this chaos, I do what I can and my work ethics and integrity speaks for itself





I can only control what’s in my power to control...the quality of my work



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