What's New - March 2020
Article

Micro Datacenter Racks

This month, Lenovo announced two new industry-standard 19-inch server cabinets that are designed for rack servers that are to be deployed outside of traditional data centers. These racks are 12U and 18U high and support a wide variety of servers and other components.

Learn more about the new rack cabinets, including supported servers:

- Lenovo ThinkSystem Micro Datacenter 18U and 12U Rack Cabinets
- Lenovo Rack Cabinet Reference

Figure 1. 12U and 18U Micro Datacenter rack cabinets

New server drive options

This month we announced a new 15TB SSD drive option plus a new SED drive:

- ThinkSystem 2.5" PM1643a 15.36TB Entry SAS 12Gb Hot Swap SSD
- ThinkSystem U.2 CM5-R 7.68TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD SED

The availability of this new 15TB drive doubles the internal storage capacity of supported servers.

Figure 2. ThinkSystem PM1643a 12Gb SAS SSDs

In addition, for the SR635 and SR655, our AMD-based servers, we added support for additional drive options. See the respective server product guides for specifics:

- Lenovo ThinkSystem SR635 Server
- Lenovo ThinkSystem SR655 Server

ThinkAgile VX updates

New drives were announced for the ThinkAgile VX appliances and certified nodes.

- ThinkSystem 2.5-inch and 3.5-inch PM1643a Entry SSDs
- ThinkSystem 2.5-inch PM1645a Mainstream SSDs

See the product guide for the specifics:

- Xeon SP Gen 2 systems:
    - Lenovo ThinkAgile VX2320 Appliance (Xeon SP Gen 2)
    - Lenovo ThinkAgile VX3320 Appliance (Xeon SP Gen 2)
    - Lenovo ThinkAgile VX3520-G Appliance (Xeon SP Gen 2)
    - Lenovo ThinkAgile VX3720 Appliance (Xeon SP Gen 2)
    - Lenovo ThinkAgile VX5520 Appliance (Xeon SP Gen 2)
    - Lenovo ThinkAgile VX7520 Appliance (Xeon SP Gen 2)
    - Lenovo ThinkAgile VX 1U Certified Node (Xeon SP Gen 2)
    - Lenovo ThinkAgile VX 2U Certified Node (Xeon SP Gen 2)
    - Lenovo ThinkAgile VX 2U4N Certified Node (Xeon SP Gen 2)
- Xeon SP Gen 1 systems:
    - Lenovo ThinkAgile VX2320 Appliance (Xeon SP Gen 1)
    - Lenovo ThinkAgile VX3320 Appliance (Xeon SP Gen 1)
    - Lenovo ThinkAgile VX3520-G Appliance (Xeon SP Gen 1)
    - Lenovo ThinkAgile VX3720 Appliance (Xeon SP Gen 1)
    - Lenovo ThinkAgile VX5520 Appliance (Xeon SP Gen 1)
    - Lenovo ThinkAgile VX7520 Appliance (Xeon SP Gen 1)
    - Lenovo ThinkAgile VX 1U Certified Node (Xeon SP Gen 1)
    - Lenovo ThinkAgile VX 2U Certified Node (Xeon SP Gen 1)
    - Lenovo ThinkAgile VX 2U4N Certified Node (Xeon SP Gen 1)

ThinkAgile HX updates

In March, we updated our ThinkAgile HX offerings with new processors and drive options:

- Our 2-socket HX appliances and certified nodes now support these processors:
    - Intel Xeon Silver 4210R 10C 100W 2.4GHz Processor
    - Intel Xeon Silver 4214R 12C 100W 2.4GHz Processor
    - Intel Xeon Silver 4215R 8C 130W 3.2GHz Processor
    - Intel Xeon Gold 5218R 20C 125W 2.1GHz Processor
    - Intel Xeon Gold 5220R 24C 150W 2.2GHz Processor
    - Intel Xeon Gold 6226R 16C 150W 2.9GHz Processor
    - Intel Xeon Gold 6230R 26C 150W 2.1GHz Processor
    - Intel Xeon Gold 6238R 28C 165W 2.2GHz Processor
    - Intel Xeon Gold 6240R 24C 165W 2.4GHz Processor
    - Intel Xeon Gold 6242R 20C 205W 3.1GHz Processor
    - Intel Xeon Gold 6246R 16C 205W 3.4GHz Processor
    - Intel Xeon Gold 6248R 24C 205W 3.0GHz Processor
    - Intel Xeon Gold 6258R 28C 205W 2.7GHz Processor

- Our HX appliances and certified nodes for SAP HANA now support these drives:
    - ThinkSystem 2.5" Intel S4610 480GB Mainstream SATA 6Gb Hot Swap SSD
    - ThinkSystem 2.5" Intel S4610 960GB Mainstream SATA 6Gb Hot Swap SSD
    - ThinkSystem 2.5" PM883 1.92TB Entry SATA 6Gb Hot Swap SSD
    - ThinkSystem 2.5" PM883 3.84TB Entry SATA 6Gb Hot Swap SSD

- All HX appliances and certified nodes now support these M.2 drives:
    - ThinkSystem M.2 5300 240GB SATA 6Gbps Non-Hot Swap SSD
    - ThinkSystem M.2 5300 480GB SATA 6Gbps Non-Hot Swap SSD

Specifics are described in all the HX product guides:
https://lenovopress.com/servers/thinkagile/hx-series#resource_type=product-guide&sort=relevance

Related product families

Product families related to this document are the following:

- ThinkAgile VX Series for VMware vSAN
- Drives
- Rack Cabinets

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