Rack Integration Services

Reduce or eliminate new data center technology inplementation challenges

Receive your enterprise systems racked and ready for integration into your data center

Leading edge technologies brings implementation challenges that can be reduced or eliminated with our Rack Integration Services. We have the experience and expertise to engineer, integrate, configure, deploy and install custom rack technology into any data center environment.

Our proven integration methodology will take you step by step from a plan to a ready-to-use solution:

- End-to-end project management
- Solution and rack layout engineering
- Physical integration and validation
- Logistics, deployment, and installation

Correct integration is the key to success:

Data Center applications require consistency. We ensure:

- Power
- Cooling
- Cable layout & coding
- Component stacking
- BIOS and firmware configuration
- Network configuration is to your spec on all of your racks with our ISO quality facilities and process

Project Management

Once your order is placed, a Project Manager (PM) will be assigned as your single point of contact for the entire integration process. Your PM will:

- Track logistics of the products ordered from the factory to a Dell EMC merge center or your site
- Manage and communicate with you during the build process
- Coordinate delivery logistic schedules with your receiving team or with our onsite field engineers, if you choose to have us install your fully integration rack system
- When the work is complete, the PM will get your sign off and close the project

Your PM is accountable for your complete satisfaction.

Solution and rack layout engineering

Every rack with enterprise system technology is different and complications emerge when you are implementing shared architecture computing platforms. Consider that a single rack of chassis can include 96 cores, 8 network connections and put out 60C or even more. Because we do this on an ongoing basis, we are very well aware of what undocumented activity must occur to avoid mistakes.

Physical integration and validation

A sophisticated solution built on our data center computing products requires an exceptional level of integration that befits both the complexity of the solution and its importance to you. Our validation process can ensure.

- Chassis are configured per build spec to the component level
- Rack components are installed per rack layout, including PDUs and fans
- Power and network cables are properly connected and the cables are cleanly routed (color coded, labeled, uniformity, bend radius, aesthetics)
- BIOS revision is consistent at the level you request and any custom settings applied
- Firmware is consistent (e.g. on HDDs, HBAs, etc.) and any custom settings applied
- Interconnects are tested and configured (e.g. IP addresses, flow control, etc.)
- Physical component testing
- Assets are tagged
- The rack layout and asset report are provided to you

Logistics and installation

If you can receive a complete rack at your location we can build your racks in our facility and provide 'white glove' logistics to get the fully populated and validated racks to your data center. This reduces the time required to build, integrate and test the rack. It also eliminates the complicated task of receiving multiple parts/products at your site.

Contact your Dell EMC representative for additional details.

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