WHAT IS CLAIMED IS:

1. A method of minimizing excess installed infrastructure capacity to support computing capacity provided by a plurality of rack computer systems installed in a data center at any given time, the method comprising:

determining an excess support capacity of presently-installed infrastructure modules in the data center to provide additional support of a particular type of infrastructure, of a plurality of separate types of infrastructure, beyond a present total support requirement to support computing operations of presently-installed rack computer systems in the data center;

determining a support requirement, of the particular type of infrastructure, to support computing operations of at least one additional rack computer system, based at least in part upon receiving an indication that the additional rack computer system is presently inbound for delivery to the data center to provide additional computing capacity at the data center;

determining a support capacity deficit of the presently installed infrastructure modules, for the particular type of infrastructure, based at least in part upon the excess support capacity of the presently-installed infrastructure modules and the support requirement of the at least one additional rack computer system, wherein the support capacity deficit comprises a magnitude of infrastructure support by which the support requirement of the at least one additional rack computer system exceeds the excess support capacity of the presently-installed infrastructure modules;

selecting a minimum quantity of a particular set of infrastructure modules which provides incremental support, of the particular type of infrastructure, which at least equals the support capacity deficit for the particular type of infrastructure, wherein each infrastructure module in the particular set of infrastructure modules is configured to provide an incremental magnitude of support of the particular type of infrastructure; and

commanding installation of the selected minimum quantity of the particular set of infrastructure modules in the data center, concurrently with installation of the at least one

additional rack computer systems in the data center, such that, subsequent to installation of the at least one additional rack computer systems, the excess support capacity of presently-installed infrastructure modules in the data center at least meets the total support requirement of the installed rack computer systems in the data center.

2. The method of Claim 1, wherein each infrastructure module in the particular set of infrastructure modules, which is configured to provide an incremental magnitude of support of the particular type of infrastructure, comprises one or more of:

an electrical power module configured to distribute an incremental magnitude of electrical power, from an electrical power source, to provide an incremental magnitude of electrical power support in the data center;

a power line infrastructure module configured to distribute electrical power received from one or more electrical power modules to one or more rack computer systems installed in one or more regions of the data center;

one or more air handling modules configured to be installed in one or more of a plurality of ports of one or more air handling arrays and further configured to provide an incremental magnitude of cooling air flow into the data center to provide an incremental magnitude of cooling support in the data center;

one or more network communication modules configured to communicatively couple an incremental quantity of rack computer systems installed in the data center to one or more communication networks to provide an incremental magnitude of network communication support in the data center; or

one or more structural support modules configured to be installed in one or more regions of the data center to provide incremental structural support of one or more instances of cabling infrastructure and to establish one or more air plenums in one or more regions of the data center.

3. The method of Claim 1, wherein:

the at least one additional rack computer system that is presently inbound to the data center to provide additional computing capacity is inbound to replace at least one presently-installed rack computer system; and

determining the support requirement, of the particular type of infrastructure, to support computing operations of at least one additional rack computer system, based at least in part upon receiving an indication that the at least one additional rack computer system is presently inbound to the data center, comprises:

determining, for the particular type of infrastructure, a difference between the support requirement of the at least one additional rack computer system and a support requirement of the at least one presently-installed rack computer system.

4. The method of Claim 1, comprising:

identifying a plurality of available rack positions, in the data center, configured to accommodate one or more installed rack computer systems; and

commanding installation of the at least one additional rack computer system in a selected at least one rack position of the plurality of available rack positions, based at least in part upon a determination that a determined magnitude of additional infrastructure modules required to support the at least one additional rack computer system in the selected at least one rack position is minimized, relative to a magnitude of additional infrastructure modules required to support the at least one additional rack computer system in each of a remainder of the plurality of available rack positions.

5. A method, comprising:

for each particular type of infrastructure support, of a plurality of types of infrastructure support, provided in an enclosure, incrementally adjusting an installed support capacity of the particular type of infrastructure support, independently of an installed support capacity of a remainder of the plurality of types of infrastructure support, wherein the incrementally adjusting comprises:

incrementally installing one or more sets of infrastructure modules in an enclosure, based at least in part upon a determination that an excess installed support capacity, of the particular type of infrastructure support, in the enclosure is less than a certain threshold quantity;

wherein each set of infrastructure modules comprises a selected quantity of infrastructure modules configured to provide an incremental magnitude of the particular type of infrastructure support.

6. The method of Claim 5, wherein each infrastructure module in the particular set of infrastructure modules, configured to provide an incremental magnitude of the particular type of infrastructure support, comprises one or more of:

an electrical power module configured to distribute an incremental magnitude of electrical power, from an electrical power source, to provide an incremental magnitude of electrical power support in the enclosure;

a power line infrastructure module configured to distribute electrical power received from one or more electrical power modules to one or more regions in an enclosure;

one or more air handling modules configured to be installed in one or more of a plurality of ports of one or more air handling arrays and further configured to provide an incremental magnitude of cooling air flow into the enclosure to provide an incremental magnitude of cooling support in the enclosure;

one or more network communication modules configured to communicatively couple an incremental quantity of rack computer systems installed in the enclosure to one or more

communication networks to provide an incremental magnitude of network communication support in the enclosure; or

one or more structural support modules configured to be installed in one or more regions of the enclosure to provide incremental structural support of one or more instances of cabling infrastructure and to establish one or more air plenums in one or more regions of the enclosure.

7. The method of Claim 5, wherein:

each set of infrastructure modules comprises a selected quantity of infrastructure modules configured to provide an incremental magnitude of the particular type of infrastructure support to support operations by one or more sets of electrical loads installed in the enclosure; and

the determination that an excess installed support capacity, of the particular type of infrastructure support, in the enclosure is less than a certain threshold quantity comprises:

a determination that at least one additional electrical load is presently inbound for installation in the enclosure;

a determination of a particular magnitude of infrastructure support, of the particular type of infrastructure support, required to support operations by the at least one additional electrical load; and

a determination that, for at least the particular type of infrastructure support, excess installed support capacity of the particular type of infrastructure support in the enclosure exceeds the particular magnitude of infrastructure support required to support operations by the at least one additional electrical load excess installed support capacity of the particular type of infrastructure support in the enclosure by less than a threshold magnitude.

8. The method of Claim 7, comprising:

identifying a plurality of available positions, in the enclosure, configured to install one or more electrical loads in the enclosure; and

installing the at least one additional electrical load in a selected position of the plurality of available positions, based at least in part upon a determination that a determined quantity of additional infrastructure modules required to support operations by the at least one additional electrical load in the selected rack position is less than a quantity of additional infrastructure modules required to support operations in at least one other rack position of the plurality of available positions.

9. The method of Claim 7, wherein:

the at least one additional electrical load that is presently inbound for installation in the enclosure is inbound to replace at least one presently-installed electrical load; and

the determination of the particular magnitude of infrastructure support, of the particular type of infrastructure support, required to support operations by the at least one additional electrical load comprises:

a determination of a difference between the particular magnitude of infrastructure support required to support operations by the at least one particular additional electrical load and another particular magnitude of infrastructure support required to support operations by the presently-installed electrical load.

10. The method of Claim 5, wherein:

incrementally installing one or more sets of infrastructure modules in an enclosure, based at least in part upon a determination that an excess installed support capacity, of the particular type of infrastructure support, in the enclosure is less than a certain threshold quantity, comprises:

installing a minimum incremental quantity of infrastructure modules associated with an incremental magnitude of infrastructure support which increases the excess quantity

of the particular type of infrastructure support to at least meet the certain threshold quantity.

11. The method of Claim 5, wherein:

incrementally installing one or more sets of infrastructure modules in an enclosure comprises generating an installation command to an operator, wherein the installation command identifies the one or more sets of infrastructure modules and identifies one or more particular positions in the enclosure in which to install each of the identified particular sets of infrastructure modules.

12. The method of Claim 5, wherein:

the determination that an excess installed support capacity, of the particular type of infrastructure support, in the enclosure is less than a certain threshold quantity comprises:

a determination that a particular installation time period is associated with installation of the set of infrastructure modules configured to provide the particular type of infrastructure support; and

a determination that the excess installed support capacity of the particular type of infrastructure support will fall below the certain threshold quantity within a period of time corresponding with the particular installation time.

13. The method of Claim 5, wherein:

incrementally adjusting an installed support capacity of a particular type of infrastructure support, of a plurality of types of infrastructure support, provided in an enclosure comprises incrementally installing a particular type of infrastructure support, of a plurality of types of infrastructure support, provided in a data center; and

the incrementally installing enables installing at least a full support capacity of one or more types of infrastructure support in the data center within a period of elapsed time of 12 weeks.

14. A system, comprising:

a plurality of infrastructure monitoring modules, each separate infrastructure monitoring module configured to determine a present excess support capacity, of a separate type of infrastructure support of a plurality of types of infrastructure support in an enclosure, provided by separate set of remote infrastructure modules which are configured to provide the separate type of infrastructure support;

a capacity trigger module configured to independently determine, for each separate type of infrastructure support, that the present excess support capacity is less than a capacity threshold value associated with the separate type of infrastructure support; and

a capacity distribution module configured to command incremental installation, in the enclosure, of one or more selected sets of infrastructure modules, which are each configured to provide an incremental magnitude of the separate type of infrastructure support, to increase the present excess support capacity of the separate type of infrastructure support to at least meet the capacity threshold value.

15. The system of Claim 14, wherein each infrastructure module in the particular set of infrastructure modules, which is configured to provide an incremental magnitude of the separate type of infrastructure support, comprises one or more of:

an electrical power module configured to distribute an incremental magnitude of electrical power, from an electrical power source, to provide an incremental magnitude of electrical power support in the enclosure;

a power line infrastructure module configured to distribute electrical power received from one or more electrical power modules to one or more regions of the enclosure;

one or more air handling modules configured to be installed in one or more of a plurality of ports of one or more air handling arrays and further configured to provide an incremental magnitude of cooling air flow into the enclosure to provide an incremental magnitude of cooling support in the enclosure;

one or more network communication modules configured to communicatively couple an incremental quantity of rack computer systems installed in the enclosure to one or more communication networks to provide an incremental magnitude of network communication support in the enclosure; or

one or more structural support modules configured to be installed in one or more regions of the enclosure to provide incremental structural support of one or more instances of cabling infrastructure and to establish one or more air plenums in one or more regions of the enclosure.

16. The system of Claim 14, wherein:

each infrastructure module, in the particular set of infrastructure modules, comprises one or more particular infrastructure modules which are configured to provide an incremental magnitude of a separate type of infrastructure support to support operations by one or more sets of electrical loads installed in the enclosure; and

to independently determine, for each separate type of infrastructure support, that the present excess support capacity is less than a capacity threshold value associated with the separate type of infrastructure support, the capacity trigger module is configured to:

determine that at least one additional electrical load is presently inbound for installation in the enclosure;

determine a particular magnitude of the separate type of infrastructure support required to support operations by the at least one additional electrical load; and

determine that, for at least the separate type of infrastructure support, the particular magnitude of the separate type of infrastructure support exceeds the present excess support capacity.

17. The system of Claim 16, comprising:

a load tracking module configured to identify a plurality of available positions, in the enclosure, configured to install one or more electrical loads in the enclosure; and

a load assignment module configured to command installation of the at least one additional electrical load in a selected position of the plurality of available positions, based at least in part upon a determination that a determined quantity of additional infrastructure modules required to support operations by the particular additional electrical load in the selected rack position is less than a quantity of additional infrastructure modules required to support operations in at least one other position of the plurality of available positions.

18. The system of Claim 16, wherein:

the at least one additional electrical load presently inbound for installation in the enclosure is inbound to replace a presently-installed electrical load; and

to independently determine that a present excess support capacity of a separate type of infrastructure support is less than a capacity threshold value associated with the separate type of infrastructure support, the capacity trigger module is configured to:

determine a difference between the particular quantity of infrastructure support required to support operations by the at least one additional electrical load and another quantity of infrastructure support required to support operations by the presently-installed electrical load; and

determine that the difference is less than the capacity threshold value.

19. The system of Claim 14, wherein:

to command incremental installation, in the enclosure, of one or more selected sets of infrastructure modules, which are each configured to provide an incremental magnitude of the separate type of infrastructure support, to increase the present excess support capacity of the separate type of infrastructure support to at least meet the capacity threshold value, the capacity distribution module is configured to:

command installation of a minimum incremental quantity of infrastructure modules associated with an incremental magnitude of infrastructure support to increase the

excess quantity of the separate type of infrastructure support to least meet the capacity threshold value.

20. The system of Claim 14, wherein:

to command incremental installation, in the enclosure, of one or more selected sets of infrastructure modules, which are each configured to provide an incremental magnitude of the separate type of infrastructure support, to increase the present excess support capacity of the separate type of infrastructure support to at least meet the capacity threshold value, the capacity distribution module is configured to:

generate an installation command message, wherein the installation command message identifies one or more particular sets of infrastructure modules, identifies one or more particular positions in the enclosure in which to install each of the identified particular sets of infrastructure modules, and command installation of the identified one or more particular sets of infrastructure modules in the identified one or more particular positions.

21. The system of Claim 14, wherein:

determining that the present excess support capacity is less than a capacity threshold value associated with the separate type of infrastructure support comprises:

determining that a particular installation time period is associated with installation of a particular set of infrastructure modules configured to provide the separate type of infrastructure support; and

determining that the present excess support capacity of the separate type of infrastructure support will fall below the certain threshold quantity within a period of time corresponding with the particular installation time.