

## Server Room Technology Design Guide August 2013 Cisco

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Server room design and data storage facility planning guide. Server room and data storage facility planning is a daunting task for any professional. As a value-added reseller, you can help design and maintain the brains of an enterprise -- the data center. Using the expert advice and strategies discussed in this learning guide, ensure your server room planning efforts account for space, server cooling and other data center infrastructure concerns.

### ~~Server room design and data storage facility planning guide~~

So how do we approach the task of achieving the best server room layout design? Use Floor Tiles as a Guide. Some computer and serve rooms have a raised access floor or are fitted with a floor based of standard carpet tiles. The first step in designing a server room is the define the exact room dimensions, not all are square or rectangular, and to draw this up as a grid based on a standard floor tile size (typically 600x600mm).

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A server room is a room that is dedicated to housing computing equipment such as servers. It is common for offices, schools and facilities such as factories to have a server room. They resemble a small data center and range in size from a closet to a full floor of a building. The following are common elements of a server room.

### ~~11 Elements of a Server Room - Simplifiable - Business Guide~~

Here's a quick guide to show you how we work out your requirements for an air conditioning unit for your Server Room or Data Centre. In theory, it's easy to calculate the size of the air con unit needed for your server room, you add together all heat sources and install an air con unit that can remove that much.

### ~~Server Room Air Cooling Calculation Guide - Netcom~~

Designing a new server room may initially seem to be a daunting task, there are after all, many factors and standards to consider. However, setting up the space and equipment doesn't have to be an ordeal as long as you plan in advance and make sure you have all the necessary items. Here's a checklist to facilitate the design of your data center.

### ~~Checklist For Designing a New Server Room – IT Peer Network~~

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### ~~Stanford University Server/Telecom Rooms Design Guide~~

I recommend an electrician's help to ensure the server room has a 1:1 ratio of circuits-to-outlets. An unexpected power outage is a particularly harsh way to discover your design only allows half of its intended power. Comparatively, the 220V outlet with a 40A breaker is robust and forgiving. A qualified electrician can install 220V outlets.

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