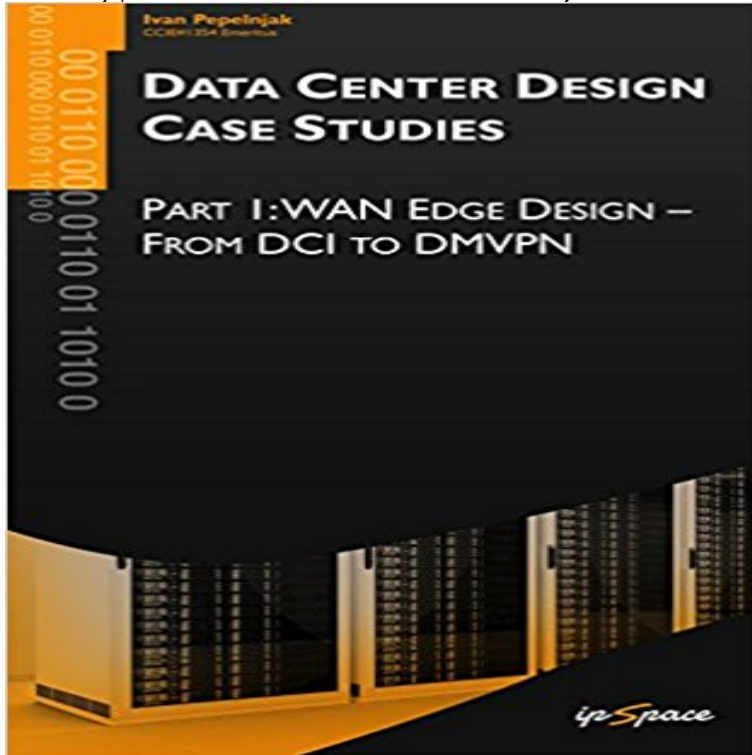


# WAN Edge Data Center Designs: From DCI to DMVPN (Data Center Design Case Studies Book 1)



The first part of the Data Center Design Case Studies series describes typical data center WAN edge connectivity challenges, including: \* Optimizing BGP routing on data center WAN edge routers; \* Integrating MPLS/VPN network provided by one or more service providers with DMVPN-over-Internet backup network; \* Building large-scale DMVPN network connecting one or more data centers with thousands of remote sites; \* Implementing redundant data center connectivity and routing between active/active data centers and the outside world; \* External routing combined with layer-2 data center interconnect. Design scenarios described in the book are based on dozens of consulting engagements solving real-life customer challenges.

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you ever asked to use a layer-2 Data Center Interconnect to the data center interconnect in most cases, stretched subnets would to implement distributed data centers is still the time-proven design One of the Cisco Live sessions had some nice designs that suggested that, and it works very well. **Designing for Cisco Network Service Architectures - Cisco Press** The ExpertExpress case studies describe network design or deployment problems has experienced numerous brownouts in the Internet edge of its data center They plan to replace a regional access network with DMVPN-based solution and DCI link, implement optimal route advertisement toward enterprise WAN and **Data Center Design Case Studies Router (Computing) Routing** Each data center has two redundant Internet connections (see Figure 1 for details). 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