

Cisco Pci Design Guide

Eventually, you will entirely discover a other experience and finishing by spending more cash. still when? reach you believe that you require to acquire those every needs taking into consideration having significantly cash? Why don't you try to acquire something basic in the beginning? That's something that will lead you to comprehend even more all but the globe, experience, some places, when history, amusement, and a lot more?

It is your unconditionally own times to pretend reviewing habit. in the midst of guides you could enjoy now is **cisco pci design guide** below.

PCI-DSS Foundational Training PCI Compliance 101 - What is PCI Compliance, and How to Become PCI Compliant

What is PCI DSS? | A Brief Summary of the Standard **CML 2.0 is here! Quick Start Guide, Exam Profile: Cisco CCDA Design Proper Cisco Network Design**

Cisco High Density Wireless Design GNS3 Installation CISSP-Cram-Session | SANS-Webcast-Series HMIH-Lightweight-PCI-Compliance-Infrastructure-on-AWS AWS re:Inforce 2019: Architect Proper Segmentation for PCI DSS Workloads on AWS (GRC306) Designing and Developing Network Services with NSO What is ISO 27001? | A Brief Summary of the Standard

PCI DSS: Twelve IT requirements

How Credit Card Processing Works - Transaction Cycle lu0026 2 Pricing Models AWS Architecture of PCI Compliance for a Fintech Web Application *Introduction to Cisco NCS5500 Packet BUFFERING - QOS Series 01 PCI DSS Compliance in 12 Easy Steps*

A Introduction to PCI - DSS by Peter Segalini | Cyber Talks **Cisco CCDA v3.0 - Design a Basic Branch Office CISO in Action- Building a Global Information Security Programme by Dr Asaad Moosa** How to Answer CISP Exam Questions Webinar | PCI DSS - 5 Simple Techniques to reduce scope CISP Exam Questions 2020 | CISP Exam Preparation | CISP Training Video 2020 | Simplilearn ~~Cisco VDI-Virtual Workstations~~ *Guidance for PCI DSS Scoping and Segmentation Reflections of a New CISO: 5 Lessons Learned | SANS@MIC Talk Kevin A. McGrail: A Cyber Security Expert's Guide to Secure Programming* Fishing for Network Health with Batfish 30.5 Manual of PCI - Guidewires **Cisco Pci Design Guide** Architecture Description Cisco Systems, Inc engaged Verizon Business to conduct a PCI reference architecture assessment of their 'PCI Solution for Retail' designed architecture, based on the PCI DSS v2.0 standard.

Cisco PCI Solution for Retail 2.0 Design and ...

Book Title. Cisco PCI Solution for Retail 2.0 Design Guide. Chapter Title. Solution ...

Cisco PCI Solution for Retail 2.0 Design Guide - Solution ...

Cisco PCI Solution for Retail 2.0 Design and Implementation Guide. Search Find Matches in This Book. Available Languages. Download Download Options. Book Title. Cisco PCI Solution for Retail 2.0 Design and Implementation Guide. PDF - Complete Book (36.07 MB) View with Adobe Reader on a variety of devices. Print Results.

Cisco PCI Solution for Retail 2.0 Design and ...

To get started finding Cisco Pci Design Guide , you are right to find our website which has a comprehensive collection of manuals listed.

Cisco Pci Design Guide | bookstorrent.my.id

The PCI Council releases a draft guidance of how merchants should be securing virtual environments to be PCI compliant while Cisco delivers its own guide showing how retail enterprises can achieve...

PCI Council, Cisco Provide Guidance on PCI-Compliant ...

These guides provide both high-level guidance and step-by-step configuration techniques to solve many of the problems you may be facing.

Design & Implementation Guide: What's In a Name? - Cisco Blogs

Cisco Pci Design Guide Recognizing the pretentiousness ways to acquire this book cisco pci design guide is additionally useful. You have remained in right site to start getting this info. get the cisco pci design guide colleague that we have enough money here and check out the link.

Cisco Pci Design Guide - download.truyenyy.com

Cisco PCI Design Guide Summary, Third Edition—This resource contains the simplified design recommendations from the full Design and Implementation Guide.

Cisco Pci Design Guide - wp.nike-air-max.it

Cisco Compliance Solution for PCI DSS 2.0 Design and Implementation Guide Third Edition (PDF - 36 MB) Cisco Compliance Solution for HIPAA Security Rule Get detailed configurations and insights to improve upon your existing network to address HIPAA Security Rule technical requirements, and increase your network security to protect PHI and other critical data.

What is PCI Compliance? - Cisco

What is a Cisco Validated Design Guide (CVD)? Cisco Validated Designs (CVDs) provide the foundation for systems design. They are based on common use cases or engineering system priorities. Each guide incorporates a broad set of technologies, features, and applications to address your needs.

Design Zone - Design Guides - Cisco

This guide is intended to provide design and deployment guidance to onboard Cisco SD-WAN WAN Edge devices into the enterprise SD-WAN Infrastructure. The guide focuses on the step-by-step procedures to configure each of the onboarding options available, along with the use cases specific to WAN Edge deployment using default pre-installed certificates or enterprise root-ca certificates.

Cisco EN Validated Design and Deployment Guides - Cisco ...

To help meet regulatory compliance, Cisco has released validated design guides for general security as well as specific market verticals FOUND HERE. These guides include best practice to meet PCI DSS 3.0, HIPAA and FISMA, which all are required by law.

Cisco Validated Designs For PCI DSS 3.0, HIPAA and FISMA ...

is there a good ACI design guide that I can use to get customer requirements and determine design for tenants, egg, bd, I2out, I3out etc? please refer me to one. Thanks!

ACI design guide - Cisco Community

Home » Technical Papers » PCI-DSS Compliance Guide » Share this ... The Cisco 2018 Annual Cybersecurity Report for Cloud Security examines the techniques and strategies that adversaries use to break through defenses and evade detection. Read PDF

PCI-DSS Compliance Guide

This design guide is written for systems engineers an d support engineers to provide guidelines and best practices for deploying virtual tunnel interfaces (VTIs). This design guide defines the comprehensive functional components required to build an enterprise virtual private network (VPN) solution that can transport IP telephony and video.

Virtual Tunnel Interface (VTI) Design Guide - Cisco

Cisco PCI Design Guide Summary, Third Edition—This resource contains the simplified design recommendations from the full Design and Implementation Guide.

Join the PCI Experts to Help You Bridge the ... - Cisco Blogs

Design assumptions in this guide we assume that you are starting with a pair of Cisco UCS fabric interconnects operating in a single redundant domain. One interconnect represents Fabric A, the other represents Fabric B. Each fabric interconnect is operating in End Host Mode with a virtual Port Channel (vPC) uplink landing evenly on a pair of ...

VMware NSX Network Virtualization Design Guide

Introduction . This VMware NSX ® Data Center design guide offers an enhanced solution for deploying NSX Data Centers with Cisco ACI as the IP fabric underlay. This guide is focused on providing guidance and best practices to leverage NSX-T with Cisco ACI.

Introduction

Plan and deploy identity-based secure access by BYOD and borderless networks Using Cisco Secure Unified Access Architecture and Cisco Identity Services Engine, you can secure and regain control of borderless networks in a Bring Your Own Device (BYOD) world. This book covers the complete lifecycle of protecting a modern borderless network using these advanced solutions, from planning an architecture through deployment, management, and troubleshooting. Cisco ISE for BYOD and Secure Unified Access begins by reviewing the business case for an identity solution. Next, you'll walk through identifying users, devices, and security posture; gain a deep understanding of Cisco's Secure Unified Access solution; and master powerful techniques for securing borderless networks, from device isolation to protocol-independent network segmentation. You'll find in-depth coverage of all relevant technologies and techniques, including 802.1X, profiling, device onboarding, guest lifecycle management, network admission control, RADIUS, and Security Group Access. Drawing on their cutting-edge experience supporting Cisco enterprise customers, the authors present detailed sample configurations to help you plan your own integrated identity solution. Whether you're a technical professional or an IT manager, this guide will help you provide reliable secure access for BYOD, CYOD (Choose Your Own Device), or any IT model you choose. Review the new security challenges associated with borderless networks, ubiquitous mobility, and consumerized IT Understand the building blocks of an Identity Services Engine (ISE) solution Design an ISE-Enabled network, plan/distribute ISE functions, and prepare for rollout Build context-aware security policies Configure device profiling, endpoint posture assessments, and guest services Implement secure guest lifecycle management, from WebAuth to sponsored guest access Configure ISE, network access devices, and supplicants, step-by-step Walk through a phased deployment that ensures zero downtime Apply best practices to avoid the pitfalls of BYOD secure access Simplify administration with self-service onboarding and registration Deploy Security Group Access. Cisco's tagging enforcement solution Add Layer 2 encryption to secure traffic flows Use Network Edge Access Topology to extend secure access beyond the wiring closet Monitor, maintain, and troubleshoot ISE and your entire Secure Unified Access system

Fully updated: The complete guide to Cisco Identity Services Engine solutions Using Cisco Secure Access Architecture and Cisco Identity Services Engine, you can secure and gain control of access to your networks in a Bring Your Own Device (BYOD) world. This second edition of Cisco ISE for BYOD and Secure Unified Access contains more than eight brand-new chapters as well as extensively updated coverage of all the previous topics in the first edition book to reflect the latest technologies, features, and best practices of the ISE solution. It begins by reviewing today's business case for identity solutions. Next, you walk through ISE foundational topics and ISE design. Then you explore how to build an access security policy using the building blocks of ISE. Next are the in-depth and advanced ISE configuration sections, followed by the troubleshooting and monitoring chapters. Finally, we go in depth on the new TACACS+ device administration solution that is new to ISE and to this second edition. With this book, you will gain an understanding of ISE configuration, such as identifying users, devices, and security posture; learn about Cisco Secure Access solutions; and master advanced techniques for securing access to networks, from dynamic segmentation to guest access and everything in between. Drawing on their cutting-edge experience supporting Cisco enterprise customers, the authors offer in-depth coverage of the complete lifecycle for all relevant ISE solutions, making this book a cornerstone resource whether you're an architect, engineer, operator, or IT manager. · Review evolving security challenges associated with borderless networks, ubiquitous mobility, and consumerized IT · Understand Cisco Secure Access, the Identity Services Engine (ISE), and the building blocks of complete solutions · Design an ISE-enabled network, plan/distribute ISE functions, and prepare for rollout · Build context-aware security policies for network access, devices, accounting, and audit · Configure device profiles, visibility, endpoint posture assessments, and guest services · Implement secure guest lifecycle management, from WebAuth to sponsored guest access · Configure ISE, network access devices, and supplicants, step by step · Apply best practices to avoid the pitfalls of BYOD secure access · Set up efficient distributed ISE deployments · Provide remote access VPNs with ASA and Cisco ISE · Simplify administration with self-service onboarding and registration · Deploy security group access with Cisco TrustSec · Prepare for high availability and disaster scenarios · Implement passive identities via ISE-PIC and EZ Connect · Implement TACACS+ using ISE · Monitor, maintain, and troubleshoot ISE and your entire Secure Access system · Administer device AAA with Cisco IOS, WLC, and Nexus

Designing Cisco Network Service Architectures (ARCH) Foundation Learning Guide, Third Edition, is a Cisco®-authorized, self-paced learning tool for CCDP® foundation learning. This book provides you with the knowledge needed to perform the conceptual, intermediate, and detailed design of a network infrastructure that supports desired network solutions over intelligent network services. In order to achieve effective performance, scalability, and availability. By reading this book, you will gain a thorough understanding of how to apply solid Cisco network solution models and recommended design practices to provide viable, stable enterprise internetworking solutions. The book presents concepts and examples that are necessary to design converged enterprise networks. Advanced network infrastructure technologies, such as virtual private networks (VPNs) and other security solutions are also covered. Designing Cisco Network Service Architectures (ARCH) Foundation Learning Guide, Third Edition teaches you the latest development in network design and technologies, including network infrastructure, intelligent network services, and converged network solutions. Specific topics include campus, routing, addressing, WAN services, data center, e-commerce, SAN, security, VPN, and IP multicast design, as well as network management. Chapter-ending review questions illustrate and help solidify the concepts presented in the book. Whether you are preparing for CCDP certification or simply want to gain a better understanding of designing scalable and reliable network architectures, you will benefit from the foundation information presented in this book. Designing Cisco Network Service Architectures (ARCH) Foundation Learning Guide, Third Edition, is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. John Tiso, CCIE No. 5162, CCDP is a Product Manager for Cisco Systems. He holds a B.S. Degree in Computer Science and Mathematics from Adelphi University and a Graduate Citation in Strategic Management from Harvard University. John is a published author, has served as a technical editor for Cisco Press, and has participated as a SME for the CCIE program. Prior to Cisco, he was a senior consultant and architect in the Cisco partner channel. · Learn about the Cisco Enterprise Architecture · Create highly available campus and data center network designs · Develop optimum Layer 3 designs · Examine advanced WAN services design considerations · Evaluate SAN design considerations · Deploy effective e-commerce module designs · Create effective security services and IPsec and SSL VPN designs · Design IP multicast networks · Understand the network management capabilities within Cisco IOS Software This book is in the Foundation Learning Guide Series. These guides are developed together with Cisco® as the only authorized, self-paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams. Category: Cisco Certification Covers: CCDP ARCH 642-874

Designing for Cisco Network Service Architectures (ARCH) Foundation Learning Guide, Fourth Edition · Learn about the Cisco modular enterprise architecture · Create highly available enterprise network designs · Develop optimum Layer 3 designs · Examine advanced WAN services design considerations · Evaluate data center design considerations · Design effective modern WAN and data center designs · Develop effective migration approaches to IPv6 · Design resilient IP multicast networks · Create effective network security designs Designing for Cisco Network Service Architectures (ARCH) Foundation Learning Guide , Fourth Edition, is a Cisco-authorized, self-paced learning tool for CCDP foundation learning. This book provides you with the knowledge needed to perform the conceptual, intermediate, and detailed design of a network infrastructure that supports desired network solutions over intelligent network services to achieve effective performance, scalability, and availability. This book presents concepts and examples necessary to design converged enterprise networks. You learn additional aspects of modular campus design, advanced routing designs, WAN service designs, enterprise data center design, IP multicast design, and security design. Advanced and modern network infrastructure solutions, such as virtual private networks (VPN), Cisco Intelligent WAN (IWAN), and Cisco Application-Centric Infrastructure (ACI), are also covered. Chapter-ending review questions illustrate and help solidify the concepts presented in the book. Whether you are preparing for CCDP certification or CCDE certification, or simply want to gain a better understanding of designing scalable and reliable network architectures, you will benefit from the foundation information presented in this book. Designing for Cisco Network Service Architectures (ARCH) Foundation Learning Guide, Fourth Edition, is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit https://learningnetwork.cisco.com. Category: Cisco Certification Covers: CCDP ARCH 300-320

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Security Policies and Implementation Issues. Third Edition offers a comprehensive, end-to-end view of information security policies and frameworks from the raw organizational mechanics of building to the psychology of implementation. Written by industry experts, the new Third Edition presents an effective balance between technical knowledge and soft skills, while introducing many different concepts of information security in clear simple terms such as governance, regulator mandates, business drivers, legal considerations, and much more. With step-by-step examples and real-world exercises, this book is a must-have resource for students, security officers, auditors, and risk leaders looking to fully understand the process of implementing successful sets of security policies and frameworks. Instructor Materials for Security Policies and Implementation Issues include: PowerPoint Lecture Slides Instructor's Guide Sample Course Syllabus Quiz & Exam Questions Case Scenarios/Handouts About the Series This book is part of the Information Systems Security and Assurance Series from Jones and Bartlett Learning. Master Certified for Courses and Certifications in IT Security, Cybersecurity, Information Assurance, and Information Systems Security, this series features a comprehensive, consistent treatment of the most current thinking and trends in this critical subject area. These titles deliver fundamental information-security principles packed with real-world applications and examples. Authored by Certified Information Systems Security Professionals (CISSPs), they deliver comprehensive information on all aspects of information security. Reviewed word for word by leading technical experts in the field, these books are not just current, but forward-thinking—putting you in the position to solve the cybersecurity challenges not just of today, but of tomorrow, as well.

Designing Networks and Services for the Cloud Delivering business-grade cloud applications and services A rapid, easy-to-understand approach to delivering a secure, resilient, easy-to-manage, SLA-driven cloud experience Designing Networks and Services for the Cloud helps you understand the design and architecture of networks and network services that enable the delivery of business-grade cloud services. Drawing on more than 40 years of experience in network and cloud design, validation, and deployment, the authors demonstrate how networks spanning from the Enterprise branch/HQ and the service provider Next-Generation Networks (NGN) to the data center fabric play a key role in addressing the primary inhibitors to cloud adoption—security, performance, and management complexity. The authors first review how virtualized infrastructure lays the foundation for the delivery of cloud services before delving into a primer on clouds, including the management of cloud services. Next, they explore key factors that inhibit enterprises from moving their core workloads to the cloud, and how advanced networks and network services can help businesses migrate to the cloud with confidence. You'll find an in-depth look at data center networks, including virtualization-aware networks, virtual network services, and service overlays. The elements of security in this virtual, fluid environment are discussed, along with techniques for optimizing and accelerating the service delivery. The book dives deeply into cloud-aware service provider NGNs and their role in flexibly connecting distributed cloud resources, ensuring the security of provider and tenant resources, and enabling the optimal placement of cloud services. The role of Enterprise networks as a critical control point for securely and cost-effectively connecting to high-performance cloud services is explored in detail before various parts of the network finally come together in the definition and delivery of end-to-end cloud SLAs. At the end of the journey, you preview the exciting future of clouds and network services, along with the major upcoming trends. If you are a technical professional or manager who must design, implement, or operate cloud or NGN solutions in enterprise or service-provider environments, this guide will be an indispensable resource. * Understand how virtualized data-center infrastructure lays the groundwork for cloud-based services * Move from distributed virtualization to "IT-as-a-service" via automated self-service portals * Classify cloud services and deployment models, and understand the actors in the cloud ecosystem * Review the elements, requirements, challenges, and opportunities associated with network services in the cloud * Optimize data centers via network segmentation, virtualization-aware networks, virtual network services, and service overlays * Systematically secure cloud services * Optimize service and application performance * Plan and implement NGN infrastructure to support and accelerate cloud services * Successfully connect enterprises to the cloud * Define and deliver on end-to-end cloud SLAs * Preview the future of cloud and network services

This Cisco text offers study tools for Cisco certification exam preparation, with tutorial learning of all topics for the relevant exam and self-assessment pedagogical tools. Chapters are written in modular fashion, breaking down the topics covered into easily absorbed blocks of information.

Objectives The purpose of Top-Down Network Design, Third Edition, is to help you design networks that meet a customer's business and technical goals. Whether your customer is another department within your own company or an external client, this book provides you with tested processes and tools to help you understand traffic flow, protocol behavior, and internetworking technologies. After completing this book, you will be equipped to design enterprise networks that meet a customer's requirements for functionality, capacity, performance, availability, scalability, affordability, security, and manageability. Audience This book is for you if you are an internetworking professional responsible for designing and maintaining medium- to large-sized enterprise networks. If you are a network engineer, architect, or technician who has a working knowledge of network protocols and technologies, this book will provide you with practical advice on applying your knowledge to internetwork design. This book also includes useful information for consultants, systems engineers, and sales engineers who design corporate networks for clients. In the fast-paced presales environment of many systems engineers, it often is difficult to slow down and insist on a top-down, structured systems analysis approach. Wherever possible, this book includes shortcuts and assumptions that can be made to speed up the network design process. Finally, this book is useful for undergraduate and graduate students in computer science and information technology disciplines. Students who have taken one or two courses in networking theory will find Top-Down Network Design, Third Edition, an approachable introduction to the engineering and business issues related to developing real-world networks that solve typical business problems. Changes for the Third Edition Networks have changed in many ways since the second edition was published. Many legacy technologies have disappeared and are no longer covered in the book. In addition, modern networks have become multifaceted, providing support for numerous bandwidth-hungry applications and a variety of devices, ranging from smart phones to tablet PCs to high-end servers. Modern users expect the network to be available all the time, from any device, and to let them securely collaborate with coworkers, friends, and family. Networks today support voice, video, high-definition TV, desktop sharing, virtual meetings, online training, virtual reality, and applications that we can't even imagine that brilliant college students are busily creating in their dorm rooms. As applications rapidly change and put more demand on networks, the need to teach a systematic approach to network design is even more important than ever. With that need in mind, the third edition has been retooled to make it an ideal textbook for college students. The third edition features review questions and design scenarios at the end of each chapter to help students learn top-down network design. To address new demands on modern networks, the third edition of Top-Down Network Design also has updated material on the following topics: · Network redundancy · Modularity in network designs · The Cisco SAFE security reference architecture · The Rapid Spanning Tree Protocol (RSTP) · Internet Protocol version 6 (IPv6) · Ethernet scalability options, including 10-Gbps Ethernet and Metro Ethernet · Network design and management tools

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Trust the best selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. CCNP Security SECURE 642-637 Official Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing exam topics easier. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Master CCNP Security SECURE 642-637 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks CCNP Security SECURE 642-637 Official Cert Guide focuses specifically on the objectives for the CCNP Security SECURE exam. Senior networking consultants Sean Wilkins and Trey Smith share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The official study guide helps you master all the topics on the CCNP Security SECURE exam, including: Network security threats and foundation protection Switched data plane security 802.1X and identity-based networking services Cisco IOS routed data plane security Cisco IOS control plane security Cisco IOS management plane security NAT Zone-based firewalls IOS intrusion prevention system Cisco IOS site-to-site security solutions IPsec VPNs, dynamic multipoint VPNs, and GET VPNs SSL VPNs and EZVPN CCNP Security SECURE 642-637 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining.

Master the basics of data centers to build server farms that enhance your Web site performance Learn design guidelines that show how to deploy server farms in highly available and scalable environments Plan site performance capacity with discussions of server farm architectures and their real-life applications to determine your system needs Today's market demands that businesses have an Internet presence through which they can perform e-commerce and customer support, and establish a presence that can attract and increase their customer base. Underestimated hit ratios, compromised credit card records, perceived slow Web site access, or the infamous "Object Not Found" alerts make the difference between a successful online presence and one that is bound to fail. These challenges can be solved in part with the use of data center technology. Data centers switch traffic based on information at the Network, Transport, or Application layers. Content switches perform the "best server" selection process to direct users' requests for a specific service to a server in a server farm. The best server selection process takes into account both server load and availability, and the existence and consistency of the requested content. Data Center Fundamentals helps you understand the basic concepts behind the design and scaling of server farms using data center and content switching technologies. It addresses the principles and concepts needed to take on the most common challenges encountered during planning, implementing, and managing Internet and intranet IP-based server farms. An in-depth analysis of the data center technology with real-life scenarios make Data Center Fundamentals an ideal reference for understanding, planning, and designing Web hosting and e-commerce environments.

Copyright code : b5fc70aade1c0621989ba8e8083c833