EMC VPLEX 5.0 ARCHITECTURE GUIDE

Abstract

This white paper explains the hardware and software architecture of the EMC® VPLEX™ series with EMC GeoSynchrony™. This paper will be of particular interest to system, application, database, and storage architects and anyone interested in deploying solutions on the EMC VPLEX platform. The value and necessity of all features are highlighted in sufficient detail to allow a reader of general technical experience to assimilate the material.

April 2011



Emc Vplex Architecture Guide

International Business Machines Corporation

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OpenStack Cinder Block Storage Architecture and Management William Smith, 2025-08-19 OpenStack Cinder Block Storage Architecture and Management OpenStack Cinder Block Storage Architecture and Management is a comprehensive guide designed for cloud architects system administrators and advanced practitioners seeking an in depth understanding of block storage within the OpenStack ecosystem The book begins by contextualizing Cinder's pivotal role in Infrastructure as a Service IaaS contrasting it with other storage paradigms and tracing its historical evolution Through detailed real world use cases it demonstrates the strategic advantages of Cinder for both traditional enterprise workloads and emerging cloud native applications Delving into the technical heart of the platform the book meticulously explores Cinder's internal architecture including its core services database models scheduling RESTful API and tenant isolation mechanisms crucial for multi tenant environments Readers are expertly guided through deployment models configuration best practices backend integration and authentication with clarity on how to ensure scalability high availability and robust security Special attention is given to storage backends advanced features such as snapshots and encryption and sophisticated volume lifecycle management supporting both commercial and open source storage solutions. The latter chapters expand the reader s view to performance optimization monitoring and compliance offering actionable insights on troubleshooting regulatory adherence and security hardening Integrated seamlessly are orchestrated workflows with other OpenStack services such as Nova Glance and Heat along with forward looking discussions on Kubernetes integration and edge computing scenarios For contributors and developers the book provides a transparent look into Cinder's development processes community engagement and the evolving landscape of cloud storage innovation making it an indispensable resource for harnessing the full potential of OpenStack block storage CCNA Cloud CLDFND 210-451 Official Cert Guide Gustavo A. A. Santana, 2016-04-13 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 Master Cisco CCNA Cloud CLDFND 210 451 exam topics Assess your knowledge with chapter opening guizzes Review key concepts with exam preparation tasks This is the eBook edition of the CCNA Cloud CLDFND 210 451 Official Cert Guide This eBook does not include the practice exams that comes with the print edition CCNA Cloud CLDFND 210 451 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 easy Chapter ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly CCNA Cloud CLDFND 210 451 Official Cert Guide focuses specifically on the objectives for the Cisco CCNA CLDFND 210 451 exam Leading data center network architect Gustavo A A Santana shares preparation hints and test taking tips helping you identify areas of weakness and improve both your conceptual knowledge

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