

# Apex Developer Guide

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# Salesforce Apex Developer Guide

**SA Adler**



## **Salesforce Apex Developer Guide:**

**Mastering Apex Programming** Paul Battisson, Mike Wheeler, 2020-11-20 Get to grips with the advanced features of Apex programming for Salesforce developers using this comprehensive guide

**Key Features** Discover how to build reliable applications with Apex by avoiding common mistakes and pitfalls Learn how to use the different asynchronous programming tools in Apex Profile and improve the performance of your Apex code

**Book Description** As applications built on the Salesforce platform are now a key part of many organizations developers are shifting focus to Apex Salesforce's proprietary programming language As a Salesforce developer it is important to understand the range of tools at your disposal how and when to use them and best practices for working with Apex Mastering Apex Programming will help you explore the advanced features of Apex programming and guide you in delivering robust solutions that scale This book starts by taking you through common Apex mistakes debugging exception handling and testing You'll then discover different asynchronous Apex programming options and develop custom Apex REST web services The book shows you how to define and utilize Batch Apex Queueable Apex and Scheduled Apex using common scenarios before teaching you how to define publish and consume platform events and RESTful endpoints with Apex Finally you'll learn how to profile and improve the performance of your Apex application including architecture trade-offs With code examples used to facilitate discussion throughout by the end of the book you'll have developed the skills needed to build robust and scalable applications in Apex What you will learn Understand common coding mistakes in Apex and how to avoid them using best practices Find out how to debug a Salesforce Apex application effectively Explore different asynchronous Apex options and their common use cases Discover tips to work effectively with platform events Develop custom Apex REST services to allow inbound integrations Build complex logic and processes on the Salesforce platform Who this book is for This book is for Salesforce developers who are interested in mastering Apex programming skills You'll also find this book helpful if you're an experienced Java or C developer looking to switch to Apex programming for developing apps on the Salesforce platform Basic Apex programming knowledge is essential to understand the concepts covered

**Mastering Apex Programming** Paul Battisson, 2023-11-29 Advance your Apex programming skills to the next level with best practices proven techniques and practical code samples with this updated edition along with the most recent advancements in Apex

**Key Features** Understand the various integration asynchronous processing options in Apex and how to use them to scale your application Learn how to integrate external systems with Apex through both inbound and outbound integrations Profile and improve the performance of your Apex code

**Book Description** Applications built on the Salesforce platform are now a key part of many organizations IT systems with more complex and integrated solutions being delivered every day As a Salesforce developer working with Apex it is important to understand the range and variety of tools at your disposal how and when to use them and what the best practices are This revised second edition includes a complete restructuring and five new chapters filled with detailed content on the latest

Salesforce innovations including integrating with DataWeave in Apex and utilizing Flow and Apex together to build scalable applications with Administrators This Salesforce book starts with a discussion around common mistakes debugging exception handling and testing The second section focuses on the different asynchronous Apex programming options to help you build more scalable applications before the third section focuses on integrations including working with platform events and developing custom Apex REST web services Finally the book finishes with a section dedicated to profiling and improving the performance of your Apex including architecture With code examples used to facilitate discussion throughout by the end of the book you will be able to develop robust and scalable applications in Apex with confidence What you will learn Understand common Apex mistakes and how to avoid them through best practices Learn how to debug Apex code effectively Discover the different asynchronous Apex options common use cases and best practices Extend the capabilities of the Salesforce platform with the power of integrations Parse and manipulate data easily with the use of DataWeave functions Develop custom Apex REST services to allow inbound integrations Profile and improve the performance of your Apex code Who this book is for Developers who have basic to intermediate Apex programming knowledge and are interested in mastering Apex programming while exploring the Salesforce com platform This book is also ideal for experienced Java or C developers who are moving to Apex programming for developing apps on the Salesforce platform Basic Apex programming knowledge is assumed

**Beginning Salesforce Developer** Michael Wicherski, 2017-12-05 Get started developing on the Force com platform in no time With step by step guidance starting with setting up your developer environment and progressing through to deploying to production you will learn industry best practices to release robust custom applications with tangible benefits to your company or your client Geared specifically toward beginning developers Beginning Salesforce Developer establishes a strong understanding of basic code constructs through examples Rather than simply explaining how to use the platform you will receive a comprehensive understanding of why allowing you to address platform quirks and gotchas that might occur The book also serves to lay the foundation for continuing on to Salesforce Developer Pro What You ll Learn Configure your Salesforce development environment Understand the Salesforce data model and query languages Create basic Apex triggers Use standard controllers with basic Visualforce pages Utilize Visualforce with custom built Apex controllers Write test coverage Who This Book Is For Salesforce administrators who wish to transition into developing on the Force com platform The book also serves as a quick immersion into the world of development for complete beginners through proprietary Salesforce development languages on the Force com platform

*Salesforce Handbook* Wes Nolte, Jeff Douglas, 2011-03-01 This book is not intended to be a deep dive on security programming reporting configuration etc but more of a high level overview on salesforce com Force com development tools methodology and other resources We will not cover all aspects of salesforce com We wrote this book to hopefully become an invaluable resource for anyone new or inexperienced with the Force com platform For new administrators and developers coming on to the platform we see a gaping hole in existing

reference books This book is not intended for end users or advanced developers This book is for people somewhere in the middle let s say a business analyst or a new Java or NET developer We would like this to be the first book you pick up after your boss walks in and says Let s take a look at salesforce com and see if we can build some applications in the cloud This book contains the information that we wish we had when we started developing applications on Force com

**Salesforce Platform Developer I Certification Guide** Jan Vandavelde, Gunther Roskams, 2019-05-24 Build and deploy scalable applications on the Salesforce Lightning Platform using the latest features of Spring 19 Key Features An end to end guide with practice tests to help you achieve the Salesforce Platform Developer certification Design data models user interfaces and business logic for your custom applications Understand the complete development life cycle from designing to testing Book Description Salesforce Lightning Platform used to build enterprise apps is being increasingly adopted by admins business analysts consultants architects and especially developers With this Salesforce certification you ll be able to enhance your development skills and become a valuable member of your organization This certification guide is designed to be completely aligned with the official exam study guide for the latest Salesforce Certified Platform Developer I release and includes updates from Spring 19 Starting with Salesforce fundamentals and performing data modeling and management you ll progress to automating logic and processes and working on user interfaces with Salesforce components Finally you ll learn how to work with testing frameworks perform debugging and deploy metadata and get to grips with useful tips and tricks Each chapter concludes with sample questions that are commonly found in the exam and the book wraps up with mock tests to help you prepare for the DEV501 certification exam By the end of the book you ll be ready to take the exam and earn your Salesforce Certified Platform Developer I certification What you will learn Solve sample questions and mock tests and work with exam patterns Gain an understanding of declarative Salesforce tools such as Process Builder flows and many more Code in Salesforce using the Developer Console and IDEs Grasp the basics of object oriented programming Write Apex classes Visualforce pages and Apex test classes with easy to follow steps Explore the different deployment tools that you can use to push metadata to different environments Build custom declarative apps and programs on Force com platforms Who this book is for The Salesforce Platform Developer I Certification Guide is for you if you want to learn how to develop and deploy business logic and user interfaces using the capabilities of the Lightning Platform No prior knowledge of Apex programming is required

*Salesforce Data Architecture and Management* Ahsan Zafar, 2021-07-30 Learn everything you need to become a successful data architect on the Salesforce platform Key Features Adopt best practices relating to data governance and learn how to implement them Learn how to work with data in Salesforce while maintaining scalability and security of an instance Gain insights into managing large data volumes in Salesforce Book Description As Salesforce orgs mature over time data management and integrations are becoming more challenging than ever Salesforce Data Architecture and Management follows a hands on approach to managing data and tracking the performance of your Salesforce org You ll start by

understanding the role and skills required to become a successful data architect The book focuses on data modeling concepts how to apply them in Salesforce and how they relate to objects and fields in Salesforce You ll learn the intricacies of managing data in Salesforce starting from understanding why Salesforce has chosen to optimize for read rather than write operations After developing a solid foundation you ll explore examples and best practices for managing your data You ll understand how to manage your master data and discover what the Golden Record is and why it is important for organizations Next you ll learn how to align your MDM and CRM strategy with a discussion on Salesforce s Customer 360 and its key components You ll also cover data governance its multiple facets and how GDPR compliance can be achieved with Salesforce Finally you ll discover Large Data Volumes LDVs and best practices for migrating data using APIs By the end of this book you ll be well versed with data management data backup storage and archiving in Salesforce What you will learn Understand the Salesforce data architecture Explore various data backup and archival strategies Understand how the Salesforce platform is designed and how it is different from other relational databases Uncover tools that can help in data management that minimize data trust issues in your Salesforce org Focus on the Salesforce Customer 360 platform its key components and how it can help organizations in connecting with customers Discover how Salesforce can be used for GDPR compliance Measure and monitor the performance of your Salesforce org Who this book is for This book is for aspiring architects Salesforce admins and developers You will also find the book useful if you re preparing for the Salesforce Data Architect and Management exam A basic understanding of Salesforce is assumed

[Salesforce Data Architect Certification Guide](#) Aaron Allport, 2022-11-18 Learn data architecture essentials and prepare for the Salesforce Certified Data Architect exam with the help of tips and mock test questions Key Features Leverage data modelling Salesforce database design and techniques for effective data design Learn master data management Salesforce data management and how to include considerations Get to grips with large data volumes performance tuning and poor performance mitigation techniques

**Book Description** The Salesforce Data Architect is a prerequisite exam for the Application Architect half of the Salesforce Certified Technical Architect credential This book offers complete up to date coverage of the Salesforce Data Architect exam so you can take it with confidence The book is written in a clear succinct way with self assessment and practice exam questions covering all the topics necessary to help you pass the exam with ease You ll understand the theory around Salesforce data modeling database design master data management MDM Salesforce data management SDM and data governance Additionally performance considerations associated with large data volumes will be covered You ll also get to grips with data migration and understand the supporting theory needed to achieve Salesforce Data Architect certification By the end of this Salesforce book you ll have covered everything you need to know to pass the Salesforce Data Architect certification exam and have a handy on the job desktop reference guide to re visit the concepts What you will learn Understand the topics relevant to passing the Salesforce Data Architect exam Explore specialist areas such as large data

volumes Test your knowledge with the help of exam like questions Pick up useful tips and tricks that can be referred to time and again Understand the reasons underlying the way Salesforce data management works Discover the techniques that are available for loading massive amounts of data Who this book is for This book is for both aspiring Salesforce data architects and those already familiar with Salesforce data architecture who want to pass the exam and have a reference guide to revisit the material as part of their day to day job Working knowledge of the Salesforce platform is assumed alongside a clear understanding of Salesforce architectural concepts

**Learning Apex Programming** Matt Kaufman, Michael Wicherski, 2015-01-31 If you are a developer who has some object oriented programming experience Learning Apex Programming is the perfect book for you This book is most appropriate for developers who wish to gain an understanding of the Force com platform and how to use Apex to create business applications

**ChatGPT for Accelerating Salesforce Development** Andy Forbes, Philip Safir, Joseph Kubon, Francisco Fálder, 2023-12-29 Harness ChatGPT for streamlined flows effective configuration proficient code writing and enhanced project activities Key Features Improve process quality and reduce costs by incorporating ChatGPT into your Salesforce projects Optimize project workflows and align technical capabilities with business goals Integrate ChatGPT's strengths with Salesforce expertise to innovate business analysis coding and testing approaches Purchase of the print or Kindle book includes a free PDF eBook Book Description Authored by a team of Salesforce masters with exemplary IT background ChatGPT for Salesforce Development helps you learn about the intricacies of Salesforce design configuration coding and testing demonstrating how ChatGPT can simplify complex setups and enhance project team efficiency With this book you'll unlock the effective use of ChatGPT for crafting user stories that align seamlessly with project goals learn how to design and implement Salesforce flows and quickly write clear comprehensive and high quality project documentation You'll leverage ChatGPT to write new Apex code decipher existing code and explore the development of web services and callouts This book covers everything from trigger creation to the development of Lightning Web Components LWC highlighting how these can accelerate the development process Applying ChatGPT's debugging capabilities you'll swiftly identify and resolve Salesforce issues to uphold the integrity and performance of your Salesforce applications By the end of this book you'll be adept at integrating ChatGPT at every stage of Salesforce project delivery from initial configuration to final testing What you will learn Masterfully craft detailed and engaging user stories tailored for Salesforce projects Leverage ChatGPT to design cutting edge features within the Salesforce ecosystem transforming ideas into functional and intuitive solutions Explore the integration of ChatGPT for configuring Salesforce environments Write Salesforce flows with ChatGPT enhancing workflow automation and efficiency Develop custom LWCs with ChatGPT's assistance Discover effective testing techniques using ChatGPT for optimized performance and reliability Who this book is for This book is for Salesforce developers offering insights into using ChatGPT to enhance their coding and configuration abilities It's an invaluable resource for business analysts looking to use ChatGPT to translate complex

requirements into actionable solutions For testers this book covers methods to leverage ChatGPT for more effective testing processes ensuring higher quality outcomes Product owners will gain insights into optimizing project workflows and aligning technical capabilities with business goals making this book a must have for Salesforce project team members

Microservices Antonio Bucchiarone, Nicola Dragoni, Schahram Dustdar, Patricia Lago, Manuel Mazzara, Victor Rivera, Andrey Sadovkykh, 2019-12-11 This book describes in contributions by scientists and practitioners the development of scientific concepts technologies engineering techniques and tools for a service based society The focus is on microservices i e cohesive independent processes deployed in isolation and equipped with dedicated memory persistence tools which interact via messages The book is structured in six parts Part 1 Opening analyzes the new and old challenges including service design and specification data integrity and consistency management and provides the introductory information needed to successfully digest the remaining parts Part 2 Migration discusses the issue of migration from monoliths to microservices and their loosely coupled architecture Part 3 Modeling introduces a catalog and a taxonomy of the most common microservices anti patterns and identifies common problems It also explains the concept of RESTful conversations and presents insights from studying and developing two further modeling approaches Next Part 4 is dedicated to various aspects of Development and Deployment Part 5 then covers Applications of microservices presenting case studies from Industry 4 0 Netflix and customized SaaS examples Eventually Part 6 focuses on Education and reports on experiences made in special programs both at academic level as a master program course and for practitioners in an industrial training As only a joint effort between academia and industry can lead to the release of modern paradigm based programming languages and subsequently to the deployment of robust and scalable software systems the book mainly targets researchers in academia and industry who develop tools and applications for microservices

**Salesforce Advanced Administrator Certification Guide** Enrico Murru, 2019-11-08 Master advanced Salesforce Administration concepts with expert tips techniques and mock tests Key Features Learn advanced features to reduce implementation time and enhance your Salesforce administration skills Develop the ability to solve critical issues with a proactive approach and deliver the best solution Explore complex automation with workflows approvals process builder and custom Apex coding Book Description The Salesforce Advanced Administrator certification extends beyond administrator certification covering advanced platform features and functions such as configuration automation security and customization Complete with comprehensive coverage of all these topics and exam oriented questions and mock tests this Salesforce book will help you earn advanced administrator credentials You ll start your journey by mastering data access security monitoring and auditing and understanding best practices for handling change management and data across organizations The book then delves into data model management for improving data quality and lets you explore Sales features such as products schedules quotes and forecasting capabilities As you progress this book will guide you in working with content management to set up and maintain Salesforce content You ll also master

organizing your files and data using reports and dashboards Finally you ll learn how to use a combination of automation tools to solve business problems By the end of the book you will have developed the skills required to get your advanced administrator credentials What you will learn Master data security to monitor your org effectively Explore best practices for handling change management across orgs Extend the capabilities of Salesforce objects using advanced relationships validation rules and duplicate management Handle file libraries with Salesforce CRM content Understand ways to deliver the best solutions with Sales and Service Cloud applications Build reports and dashboards to visualize data for better decision making Customize your CRM with process automation features Who this book is for If you ve already achieved your Salesforce administrator certification this book will help you prepare for the Salesforce Advanced Administrator certification You ll also find this guide useful if you are a Salesforce administrator or developer and want to maximize your administration skills with deeper knowledge of advanced Salesforce declarative features 1 2 years of experience as a Salesforce administrator or developer is enough to help you to get the most out of the book

### **Salesforce Lightning Platform Enterprise**

**Architecture** Andrew Fawcett, 2019-11-04 Key Features Use the Lightning Platform to build integrated scalable and robust apps focused on enterprise level customer demands Use the Lightning Component framework to deliver modern and responsive user experiences targeting multiple devices through Lightning Experience and Salesforce Mobile Extend your application with access to external services and AI Book Description Salesforce Lightning provides a secure and scalable platform to build deploy customize and upgrade applications This book will take you through the architecture of building an application on the Lightning platform to help you understand its features and best practices and ensure that your app keeps up with your customers increasing needs as well as the innovations on the platform This book guides you in working with the popular aPaaS offering from Salesforce the Lightning Platform You ll see how to build and ship enterprise grade apps that not only leverage the platform s many productivity features but also prepare your app to harness its extensibility and customization capabilities You ll even get to grips with advanced application architectural design patterns such as Separation of Concerns Unit Testing and Dependency Integration You will learn to use Apex and JavaScript with Lightning Web Components Platform Events among others with the help of a sample app illustrating patterns that will ensure your own applications endure and evolve with the platform Finally you will become familiar with using Salesforce DX to develop publish and monitor a sample app and experience standard application life cycle processes along with tools such as Jenkins to implement CI CD By the end of this book you will have learned how to develop effective business apps and be ready to explore innovative ways to meet customer demands What you will learn Create and deploy AppExchange packages and manage upgrades Understand Enterprise Application Architecture patterns Customize mobile and desktop user experience with Lightning Web Components Manage large data volumes with asynchronous processing and big data strategies Implement Source Control and Continuous Integration Add AI to your application with Einstein Use Lightning External

Services to integrate external code and data with your Lightning Application Who this book is for This book is for Lightning platform developers who want to discover the true potential of the platform to develop complex scalable applications for use in enterprise businesses **Salesforce Platform Enterprise Architecture** Andrew Fawcett, Daniel J. Peter, 2023-03-31 Deliver impressive enterprise grade applications using the Salesforce Platform with the help of established architectural patterns and best developer practices Key Features Use the latest capabilities of the Salesforce Platform to code robust apps and web experiences with an extended focus on Lightning Web Components Branch out to Java Node js and other languages with a new chapter exploring app development capabilities using Heroku and Functions Extend your application with access to external services following new coverage of OpenAPI enabled API services Book Description Salesforce makes architecting enterprise grade applications easy and secure but you ll need guidance to leverage its full capabilities and deliver top notch products for your customers This fourth edition brings practical guidance to the table taking you on a journey through building and shipping enterprise grade apps This guide will teach you advanced application architectural design patterns such as separation of concerns unit testing and dependency injection You ll also get to grips with Apex and fflib create scalable services with Java Node js and other languages using Salesforce Functions and Heroku and find new ways to test Lightning UIs These key topics alongside a new chapter on exploring asynchronous processing features are unique to this edition You ll also benefit from an extensive case study based on how the Salesforce Platform delivers solutions By the end of this Salesforce book whether you are looking to publish the next amazing application on AppExchange or build packaged applications for your organization you will be prepared with the latest innovations on the platform What you will learn Create and deploy packaged apps for your own business or for AppExchange Understand Enterprise Application Architecture patterns Customize the mobile and desktop user experience with Lightning Web Components Manage large data volumes with asynchronous processing and big data strategies Learn how to go beyond the Apex language and utilize Java and Node js to scale your skills and code with Heroku and Salesforce Functions Test and optimize Salesforce Lightning UIs Use Connected Apps External Services and Objects along with AWS integration tools to access off platform code and data with your application Who this book is for If you are a Salesforce developer who wants to unlock the true potential of the Salesforce platform and deliver complex scalable applications within your company or for use in large enterprises you target through AppExchange then you have come to the right place You will need a solid foundation of Salesforce development to dive into this book it is here to elevate your skills not teach you the basics **Learning Salesforce Development with Apex** Paul Battison, 2020-09-03 Learn to harness the power of the Apex language to build Salesforce applications Key Features a Learn how to work with the Apex language a Learn how to develop Apex Triggers a Learn how to use SOQL and SOSL to retrieve data a Learn how to write Object Oriented Salesforce code a Explore the best practices to deliver scalable and maintainable code Description This book covers the fundamentals of the Salesforce Apex programming language used by developers to

build powerful applications in the cloud In this book you will learn how to work with the Apex language to build scalable applications that can interact with and update data from your users We cover the language from the ground up introducing programming concepts such as variables and control statements alongside clear and concise examples to help you understand the key concepts and features Platform specific features such as Apex triggers SOQL and SOSL are covered in detail to help ensure you deliver robust and scalable solutions Nuances and best practices for development are discussed along with how to effectively test your code to ensure that you can deploy it to users with confidence Object oriented programming in Apex is also covered in depth to ensure that you can develop dynamic solutions and build for the future The book also discusses and shows developers how to integrate with third party solutions using REST APIs in Apex By the end of the book the reader will know how to start developing applications using Apex with confidence What will you learn a Learn how to declare variables in Apex a Understand how to work with collections in Apex a Use different control statements within Apex to control program flow a Learn how to use the built in tools to test in Apex a Understand how to make callouts to external applications and data sources Who this book is for This book is intended for those starting out with Apex whether existing Salesforce Admins or those joining the Salesforce ecosystem with little professional prior programming experience such as students The reader is expected to have some basic familiarity with Salesforce as a platform although key concepts are reviewed Table of Contents 0 Introduction 1 An Introduction to the Salesforce Platform 2 What is Apex 3 Variables in Apex 4 Collections 5 Control Statements 6 Apex Triggers 7 SOQL 8 SOSL 9 Defining Apex Classes 10 Apex Class Inheritance 11 Testing Apex 12 Callouts in Apex 13 Epilogue About the Author Paul Battisson is a 7x Salesforce MVP holds numerous Salesforce certifications is a Salesforce Certified Instructor and co leader of the Leeds Salesforce Developer Group He runs the CloudBites TV website and YouTube channel which has over 108k views of free training content for Salesforce admins developers and architects He is the COO of Cloud Galacticos a UK based Salesforce consulting partner Your Blog links [www.paulbattisson.com](http://www.paulbattisson.com) [www.cloudbites.tv](http://www.cloudbites.tv) Your LinkedIn Profile <https://www.linkedin.com/in/paulbattisson>

**Practical Salesforce Architecture** Paul McCollum, 2023-10-05 Once renowned as a customer relationship management tool Salesforce has evolved into a cloud first application and capability ecosystem With dedicated components for tasks such as middleware big data reporting ETL data loading and API orchestration Salesforce has become more prevalent in modern architectures This concise yet comprehensive guide provides an overview of Salesforce architecture for enterprise architects and Salesforce ecosystem architects Author Paul McCollum Salesforce Technical Architect at Accenture provides a roadmap for integrating major elements of the Salesforce ecosystem with planned or existing enterprise architecture You ll learn how to use these components to address the diverse needs of different organizations Many companies today are adding or building multicloud capabilities and incorporating various elements from the Salesforce ecosystem With this book you ll learn Strengths weaknesses and growth areas of Salesforce s enterprise architecture domain features How Salesforce compares to

other cloud providers Methods for using the Salesforce ecosystem effectively to address your organization's needs How to integrate Salesforce with planned or existing enterprise architectures Ways to manage and forecast performance complexity and ease of operation across the Salesforce platform     Development with the Force.com Platform Jason Ouellette, 2013 Master Force.com Today's Fastest Most Flexible Cloud Development Platform With Salesforce.com's Force.com platform you can build and deploy powerful cloud-based enterprise applications faster than ever before Now Jason Ouellette gives you all the practical technical guidance you need to make the most of the newest Force.com releases in your own custom cloud applications Throughout he adds new code and updated best practices for rapidly prototyping building and testing production quality Force.com solutions This edition's extensive new coverage includes Developer Console JSON Streaming and Tooling APIs Bulk API Force.com Canvas REST integration support for Web MVC frameworks Dynamic Apex and Visualforce and an all new chapter on mobile user interfaces Ouellette covers the entire platform UIs database design analytics security and many other topics His code examples emphasize maintainability flexibility and seamless integration and you can run and adapt all of them with a free Force.com Developer Edition account Coverage includes Leveraging Force.com's customizable infrastructure to deliver advanced Platform as a Service PaaS solutions Understanding Force.com's unique processes tools and architecture Developing a complete application from requirements and use cases through deployment Using the Force.com database as a framework for highly flexible maintainable applications Applying Force.com's baked-in security including user identity data ownership and fine-grained access control Constructing powerful business logic with Apex SOQL and SOSL Adopting asynchronous actions Single Page Applications and other advanced features in Web user interfaces Building intuitive user interfaces with Visualforce and extending them to public-facing websites and mobile devices Creating smartphone tablet friendly apps with HTML5 and Visualforce Performing massive data-intensive tasks offline with Batch Apex Using Force.com integration options including REST SOAP Canvas and the Streaming Bulk Tooling and Metadata APIs Developing internal social applications with Force.com's Chatter collaboration tools If you're already building Web or mobile applications take your next giant step into enterprise cloud development with Development with the Force.com Platform Third Edition All code examples in this book are available on Github at <http://goo.gl/fjRqMX> and as a Force.com IDE project on Github at <https://github.com/jmouel/dev-with-force-3e>     *Mastering Salesforce DevOps* Andrew Davis, 2019-10-29 This practical guide brings DevOps principles to Salesforce development It fits together two major movements within the IT world the movement to Software Platform as a Service SaaS PaaS and the DevOps movement While SaaS and PaaS allow companies to invest in their core competencies rather than maintain their own infrastructure the goal of DevOps is to optimize the process of delivering software innovation and value The release of Salesforce DX in late 2017 unlocks the possibility of a true DevOps workflow on Salesforce But DevOps is new to the Salesforce world and there is not a widespread understanding of its goals and methods and so adoption of Salesforce DX is still in the early stages Mastering

Salesforce DevOps explains how to build a powerful and comprehensive DevOps workflow for Salesforce allowing you to finally deploy the world's most innovative platform using the world's most effective and efficient techniques. It addresses the need for a comprehensive guide to DevOps for Salesforce, allowing teams to bring proven practices from the IT world to resolve the hardest problems facing Salesforce developers today.

**What You Will Learn**

- Improve company performance and software delivery performance using Salesforce DX.
- Translate DevOps concepts into the unique language and practices of Salesforce.
- Understand why and how you can implement Salesforce DX to achieve greater productivity and innovation.
- Enable continuous delivery on Salesforce Build packages and architect code so it can be deployed easily.
- Allow admins to participate in what has traditionally been a developer workflow.
- Know the techniques for reducing the stress and risk of deployment.
- Apply the full range of automated tests that can be used on Salesforce.

**Who This Book Is for**

Salesforce developers, release managers, and those managing Salesforce development teams who need a guide to DevOps and DevOps specialists who need to apply familiar concepts to Salesforce.

*Salesforce B2C Solution Architect's Handbook* Mike King, Melissa Murphy, 2024-05-31

Design solutions across the Salesforce Customer 360 ecosystem with this definitive guide for Salesforce B2C solution architects covering B2C Commerce, Service Cloud, Data Cloud, and Marketing Cloud. Key Features:

- Create a frictionless customer experience and a unified view of all touchpoints.
- Avoid expensive rework by getting your architecture right the first time.
- Use real-world scenarios and best practices to prepare for the B2C Solution Architect certification exam.

Purchase of the print or Kindle book includes a free PDF eBook.

**Book Description**

In today's competitive landscape, the ability to create a unified view of the customer and turn data into actionable insights is a game changer for businesses. With *Salesforce B2C Solution Architect's Handbook*, you'll gain a deeper understanding of the integration options and products that help you deliver value for organizations. The book will guide you through the tools, techniques, and scenarios needed to confidently tackle the B2C Solution Architect exam. You'll start by building a robust understanding of each component within the Customer 360 ecosystem, diving into their capabilities, data models, and governance structures. As you progress, you'll explore the role of a B2C solution architect in planning critical requirements and implementation sequences to avoid costly reworks and unnecessary delays. You'll learn about the available options for integrating products with the Salesforce ecosystem and demonstrate best practices for data modeling across Salesforce products and beyond. By the end of this journey, you'll not only be prepared to ace the exam but also to excel as a Salesforce B2C Solution Architect, ready to shape the future of customer engagement.

**What you will learn**

- Explore key Customer 360 products and their integration options.
- Choose the best integration architecture to unify data and experiences.
- Plan for requirements, design choices, and implementation sequences.
- Architect a single view of the customer to support service, marketing, and commerce.
- Integrate Customer 360 solutions into a single source of truth solution.
- Orchestrate data and user flows to support functionality from multiple components.
- Understand the capabilities and design considerations for Data Cloud.
- Prepare for the B2C Solution Architect exam.

Architect exam Who this book is for This book is for professionals in high level job roles that heavily rely on Salesforce proficiency It s primarily written for Salesforce technical architects application functional architects integration architects enterprise architects and CTO teams looking to benefit from a deeper understanding of this platform Before you get started you should understand the fundamentals of data integration APIs and connected systems in general along with knowledge of the basics of business to consumer B2C customer experiences      **Moving To The Cloud** Dinkar Sitaram,Geetha Manjunath,2011-12 Chapter 1 Introduction Chapter 2 Infrastructure as a Service Chapter 3 Platform as a Service Chapter 4 Application as a Service Chapter 5 Paradigms for Developing Cloud Applications Chapter 6 Addressing the Cloud Challenges Chapter 7 Security Chapter 8 Managing the Cloud Infrastructure Chapter 9 Related Technologies Chapter 10 Future trends and Research Directions      *1000 Important Salesforce (SFDC) Interview Questions and Answers* Vamsee Puligadda, Get that job you aspire for Want to switch to that high paying job Or are you already been preparing hard to give interview the next weekend Do you know how many people get rejected in interviews by preparing only concepts but not focusing on actually which questions will be asked in the interview Don t be that person this time This is the most comprehensive Salesforce interview questions book that you can ever find out It contains 1000 most frequently asked and important Salesforce interview questions and answers Wide range of questions which cover not only basics in Salesforce but also most advanced and complex questions which will help freshers experienced professionals senior developers testers to crack their interviews

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