

# MAC QUICK START



# Mac Quick Start Guide

**Kirill Konshin**



## Mac Quick Start Guide:

Ansible Quick Start Guide Mohamed Alibi, 2018-09-28 Configure Ansible and start coding YAML playbooks using the appropriate modules Key Features Create and use Ansible Playbook to script and organise management tasks Benefit from the Ansible community roles and modules to resolve complex and niche tasks Write configuration management code to automate infrastructure Book Description Configuration Management CM tools help administrators reduce their workload Ansible is one of the best Configuration Management tools and can act as an orchestrator for managing other CMs This book is the easiest way to learn how to use Ansible as an orchestrator and a Configuration Management tool With this book you will learn how to control and monitor computer and network infrastructures of any size physical or virtual You will begin by learning about the Ansible client server architecture To get started you will set up and configure an Ansible server You will then go through the major features of Ansible Playbook and Inventory Then we will look at Ansible systems and network modules You will then use Ansible to enable infrastructure automated configuration management followed by best practices for using Ansible roles and community modules Finally you will explore Ansible features such as Ansible Vault Ansible Containers and Ansible plugins What you will learn Implement Playbook YAML scripts and its capacities to simplify day to day tasks Setup Static and Dynamic Inventory Use Ansible predefined modules for Linux Windows networking and virtualisation administration Organize and configure the host filesystem using storage and files modules Implement Ansible to enable infrastructure automated configuration management Simplify infrastructure administration Search and install new roles and enable them within Ansible Secure your data using Ansible Vault Who this book is for This book is targeted at System Administrators and Network Administrators who want to use Ansible to automate an infrastructure No knowledge of Ansible is required Mac OS X Lion Maria Langer, 2011-07-20 Visual QuickStart Guides designed in an attractive tutorial and reference format are the quickest easiest and most thorough way to learn applications tasks and technologies The Visual QuickStart Guides are a smart choice and guide the learner in a friendly and respectful tone Visually presented with copious screenshots the focused discussions by topic and tasks make learning a breeze and quickly take you to exactly what you want to learn The latest update of this best selling Visual QuickStart Guide will have you up and running in no time with Mac OS X Lion Respected best selling author Maria Langer will take you through all of Mac OS X Lion's groundbreaking capabilities and new features including Multi Touch Gestures Launchpad Mission Control the App Store Mail and much more With plenty of screenshots to clearly illustrate techniques this effective tutorial and reference is packed with practical information for people who want to jump in and start working and playing with OS X Lion As a companion to this book Peachpit offers more than an hour of short task based videos that will help you master Mac OS X Lion's top features and techniques instead of just reading about how to use a tool you can watch it in action It's a great way to learn all the basics and some of the newer or more complex features of the operating system Log on to the Peachpit site at [www.peachpit.com](http://www.peachpit.com) register to register your

book and you'll find a free streaming sample purchasing the rest of the material is quick and easy

**Arduino: A Quick-Start Guide** Maik Schmidt, 2015-01-20 Arduino is an open source platform that makes DIY electronics projects easier than ever. Gone are the days when you had to learn electronics theory and arcane programming languages before you could even get an LED to blink. Now with this new edition of the bestselling *Arduino: A Quick Start Guide*, readers with no electronics experience can create their first gadgets quickly. This book is up to date for the new Arduino Zero board with step by step instructions for building a universal remote, a motion sensing game controller, and many other fun useful projects. This Quick Start Guide is packed with fun useful devices to create with step by step instructions and photos throughout. You'll learn how to connect your Arduino to the Internet and program both client and server applications. You'll build projects such as your own motion sensing game controller with a three axis accelerometer, create a universal remote with an Arduino and a few cheap parts, build your own burglar alarm that emails you whenever someone's moving in your living room, build binary dice, and learn how to solder. In one of several new projects in this edition, you'll create your own video game console that you can connect to your TV set. This book is completely updated for the new Arduino Zero board and the latest advances in supporting software and tools for the Arduino. Sidebars throughout the book point you to exciting real world projects using the Arduino. Exercises extend your skills and What If It Doesn't Work sections help you troubleshoot common problems. With this book, beginners can quickly join the worldwide community of hobbyists and professionals who use the Arduino to prototype and develop fun useful inventions.

**What You Need** This is the full list of all parts you'd need for all projects in the book. Some of these are provided as part of various kits that are available on the web or you can purchase individually. Sources include adafruit.com, makershed.com, radioshack.com, sparkfun.com, and mouser.com. Please note we do not support or endorse any of these vendors but we list them here as a convenience for you.

**Arduino Zero or Uno or Duemilanove or Diecimila board** USB cable Half size breadboard Pack of LEDs at least 3 10 or more is a good idea Pack of 100 ohm 10k ohm and 1k ohm resistors Four pushbuttons Breadboard jumper wire connector wire Parallax Ping sensor Passive Infrared sensor An infrared LED A 5V servo motor Analog Devices TMP36 temperature sensor ADXL335 accelerometer breakout board 6 pin 0 1 standard header might be included with the ADXL335 Nintendo Nunchuk Controller Arduino Ethernet shield Arduino Proto shield and a tiny breadboard optional but recommended Piezo speaker buzzer optional Tilt sensor optional A 25 30 Watts soldering iron with a tip preferably 1 16 A soldering stand and a sponge A standard 60 40 solder rosin core spool for electronics work

**Macbook Air M4 User Guide** John K. Larsen, Got a new MacBook Air M4 and not sure where to start. Apple's latest laptop is sleek, powerful, and lightning fast, but without the right guide, many users only scratch the surface of what it can really do. This *MacBook Air M4 User Guide* makes it simple. Written in clear, straightforward language, it takes you from unboxing to mastery. Whether you're a first-time Mac user upgrading from an older model or switching from Windows, this book helps you unlock the full potential of your device. Inside, you'll discover:

- Step by step setup from box to desktop

Navigation made easy with macOS Sequoia Keyboard shortcuts to save time every day Customization tips for speed storage and battery life Hidden features that most users never find Quick troubleshooting for common issues Instead of overwhelming jargon you ll find practical instructions helpful illustrations and real world tips you can apply immediately This guide is designed for everyday users students professionals seniors and anyone who wants to get the most out of their MacBook Don t let your MacBook Air M4 overwhelm you Take control unlock its full power and enjoy a smoother digital life Scroll up and grab your copy today     *fastText Quick Start Guide* Joydeep Bhattacharjee,2018-07-26 Perform efficient fast text representation and classification with Facebook s fastText library Key Features Introduction to Facebook s fastText library for NLP Perform efficient word representations sentence classification vector representation Build better more scalable solutions for text representation and classification Book Description Facebook s fastText library handles text representation and classification used for Natural Language Processing NLP Most organizations have to deal with enormous amounts of text data on a daily basis and gaining efficient data insights requires powerful NLP tools such as fastText This book is your ideal introduction to fastText You will learn how to create fastText models from the command line without the need for complicated code You will explore the algorithms that fastText is built on and how to use them for word representation and text classification Next you will use fastText in conjunction with other popular libraries and frameworks such as Keras TensorFlow and PyTorch Finally you will deploy fastText models to mobile devices By the end of this book you will have all the required knowledge to use fastText in your own applications at work or in projects What you will learn Create models using the default command line options in fastText Understand the algorithms used in fastText to create word vectors Combine command line text transformation capabilities and the fastText library to implement a training validation and prediction pipeline Explore word representation and sentence classification using fastText Use Gensim and spaCy to load the vectors transform lemmatize and perform other NLP tasks efficiently Develop a fastText NLP classifier using popular frameworks such as Keras Tensorflow and PyTorch Who this book is for This book is for data analysts data scientists and machine learning developers who want to perform efficient word representation and sentence classification using Facebook s fastText library Basic knowledge of Python programming is required     **Vuex Quick Start Guide** Andrea Koutifaris,2018-04-11 State management preserves the state of controls in an user interface Vuex is a state management tool for Vue js that makes the architecture easier to understand maintain and evolve This book is the easiest way to get started with Vuex to improve your Vue js application architecture and overall user experience     *OpenSimulator: School Quick Start Guide* ,     **ReasonML Quick Start Guide** Raphael Rafatpanah,Bruno Joseph D'mello,2019-02-28 ReasonML also known as Reason is a new syntax and toolchain for OCaml that was created by Facebook and is meant to be approachable for web developers Although OCaml has several resources most of them are from the perspective of systems development This book alternatively explores Reason from the perspective of web development     **Caffe2 Quick Start Guide** Ashwin

Nanjappa,2019-05-31 Build and train scalable neural network models on various platforms by leveraging the power of Caffe2  
Key FeaturesMigrate models trained with other deep learning frameworks on Caffe2Integrate Caffe2 with Android or iOS  
and implement deep learning models for mobile devicesLeverage the distributed capabilities of Caffe2 to build models that  
scale easilyBook Description Caffe2 is a popular deep learning library used for fast and scalable training and inference of  
deep learning models on various platforms This book introduces you to the Caffe2 framework and shows how you can  
leverage its power to build train and deploy efficient neural network models at scale It will cover the topics of installing  
Caffe2 composing networks using its operators training models and deploying models to different architectures It will also  
show how to import models from Caffe and from other frameworks using the ONNX interchange format It covers the topic of  
deep learning accelerators such as CPU and GPU and shows how to deploy Caffe2 models for inference on accelerators using  
inference engines Caffe2 is built for deployment to a diverse set of hardware using containers on the cloud and resource  
constrained hardware such as Raspberry Pi which will be demonstrated By the end of this book you will be able to not only  
compose and train popular neural network models with Caffe2 but also be able to deploy them on accelerators to the cloud  
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scalable deep learning models in Caffe2 will find this book to be very useful Some understanding of the basic machine  
learning concepts and prior exposure to programming languages like C and Python will be useful **D3.js Quick Start**

**Guide** Matthew Huntington,2018-09-27 This book will help you build interactive graphs that are viewable in any web  
browser using JavaScript D3 js and SVG You will learn how to make a scatter plot a bar graph a pie chart a force directed  
graph and a map Key FeaturesTakes you through the most common graphs you ll needAdd interactivity to your  
visualizationsEasy to follow buildsBook Description D3 js is a JavaScript library that allows you to create graphs and data  
visualizations in the browser with HTML SVG and CSS This book will take you from the basics of D3 js so that you can create  
your own interactive visualizations to creating the most common graphs that you will encounter as a developer scientist  
statistician or data scientist The book begins with an overview of SVG the basis for creating two dimensional graphics in the  
browser Once the reader has a firm understanding of SVG we will tackle the basics of how to use D3 js to connect data to our  
SVG elements We will start with a scatter plot that maps run data to circles on a graph and expand our scatter plot to make it  
interactive You will see how you can easily allow the users of your graph to create edit and delete run data by simply  
dragging and clicking the graph Next we will explore creating a bar graph using external data from a mock API After that we  
will explore animations and motion with a bar graph and use various physics based forces to create a force directed graph

Finally we will look at how to use GeoJSON data to create a map What you will learn Build a scatter plot Build a bar graph Build a pie chart Build a force directed graph Build a map Build interactivity into your graphs Who this book is for This book is for web developers interactive news developers data scientists and anyone interested in representing data through interactive visualizations on the Web with D3 Some basic knowledge of JavaScript is expected but no prior experience with data visualization or D3 is required to follow this book

**QGIS Quick Start Guide** Andrew Cutts, 2019-01-31 Step through loading GIS data creating GIS data styling GIS and making maps with QGIS following a simple narrative that will allow you to build confidence as you progress Key Features Work with GIS data a step by step guide from creation to making a map Perform geoprocessing tasks and automate them using model builder Explore a range of features in QGIS 3.4 discover the power behind open source desktop GIS Book Description QGIS is a user friendly open source geographic information system GIS The popularity of open source GIS and QGIS in particular has been growing rapidly over the last few years This book is designed to help beginners learn about all the tools required to use QGIS 3.4 This book will provide you with clear step by step instructions to help you apply your GIS knowledge to QGIS You begin with an overview of QGIS 3.4 and its installation You will learn how to load existing spatial data and create vector data from scratch You will then be creating styles and labels for maps The final two chapters demonstrate the Processing toolbox and include a brief investigation on how to extend QGIS Throughout this book we will be using the GeoPackage format and we will also discuss how QGIS can support many different types of data Finally you will learn where to get help and how to become engaged with the GIS community What you will learn Use existing data to interact with the canvas via zoom pan selection Create vector data and a GeoPackage and build a simple project around it Style data both vector and raster data using the Layer Styling Panel Design label save and export maps using the data you have created Analyze spatial queries using the Processing toolbox Expand QGIS with the help of plugins model builder and the command line Who this book is for If you know the basic functions and processes of GIS and want to learn to use QGIS to analyze geospatial data and create rich mapping applications then this is the book for you

**Machine Learning with Scala Quick Start Guide** Md. Rezaul Karim, 2019-04-30 Supervised and unsupervised machine learning made easy in Scala with this quick start guide Key Features Construct and deploy machine learning systems that learn from your data and give accurate predictions Unleash the power of Spark ML along with popular machine learning algorithms to solve complex tasks in Scala Solve hands on problems by combining popular neural network architectures such as LSTM and CNN using Scala with DeepLearning4j library Book Description Scala is a highly scalable integration of object oriented nature and functional programming concepts that make it easy to build scalable and complex big data applications This book is a handy guide for machine learning developers and data scientists who want to develop and train effective machine learning models in Scala The book starts with an introduction to machine learning while covering deep learning and machine learning basics It then explains how to use Scala based ML libraries to solve classification and

regression problems using linear regression generalized linear regression logistic regression support vector machine and Na ve Bayes algorithms It also covers tree based ensemble techniques for solving both classification and regression problems Moving ahead it covers unsupervised learning techniques such as dimensionality reduction clustering and recommender systems Finally it provides a brief overview of deep learning using a real life example in Scala What you will learn Get acquainted with JVM based machine learning libraries for Scala such as Spark ML and Deeplearning4j Learn RDDs DataFrame and Spark SQL for analyzing structured and unstructured data Understand supervised and unsupervised learning techniques with best practices and pitfalls Learn classification and regression analysis with linear regression logistic regression Na ve Bayes support vector machine and tree based ensemble techniques Learn effective ways of clustering analysis with dimensionality reduction techniques Learn recommender systems with collaborative filtering approach Delve into deep learning and neural network architectures Who this book is for This book is for machine learning developers looking to train machine learning models in Scala without spending too much time and effort Some fundamental knowledge of Scala programming and some basics of statistics and linear algebra is all you need to get started with this book **PostgreSQL**

**11 Server Side Programming Quick Start Guide** Luca Ferrari, 2018-11-29 Extend PostgreSQL using PostgreSQL server programming to create test debug and optimize a range of user defined functions in your favorite programming language Key Features Learn the concepts of PostgreSQL 11 with lots of real world datasets and examples Learn queries data replication and database performance Extend the functionalities of your PostgreSQL instance to suit your organizational needs Book Description PostgreSQL is a rock solid scalable and safe enterprise level relational database With a broad range of features and stability it is ever increasing in popularity This book shows you how to take advantage of PostgreSQL 11 features for server side programming Server side programming enables strong data encapsulation and coherence The book begins with the importance of server side programming and explains the risks of leaving all the checks outside the database To build your capabilities further you will learn how to write stored procedures both functions and the new PostgreSQL 11 procedures and create triggers to perform encapsulation and maintain data consistency You will also learn how to produce extensions the easiest way to package your programs for easy and solid deployment on different PostgreSQL installations What you will learn Explore data encapsulation Write stored procedures in different languages Interact with transactions from within a function Get to grips with triggers and rules Create and manage custom data types Create extensions to package code and data Implement background workers and Inter Process Communication IPC How to deal with foreign languages in particular Java and Perl Who this book is for This book is for database administrators data engineers and database engineers who want to implement advanced functionalities and master complex administrative tasks with PostgreSQL 11 **MicroStrategy Quick Start Guide** Fernando Carlos Rivero Esqueda, 2018-09-28 Build reporting applications and dashboards using the different MicroStrategy objects Key Features Learn the fundamentals of MicroStrategy Use MicroStrategy to get actionable



insights from your business data Create visualizations and build intuitive dashboards and reports

**Book Description**

MicroStrategy is an enterprise business intelligence application It turns data into reports for making and executing key organization decisions This book shows you how to implement Business Intelligence BI with MicroStrategy It takes you from setting up and configuring MicroStrategy to security and administration The book starts by detailing the different components of the MicroStrategy platform and the key concepts of Metadata and Project Source You will then install and configure MicroStrategy and lay down the foundations for building MicroStrategy BI solutions By learning about objects and different object types you will develop a strong understanding of the MicroStrategy Schema and Public Objects With these MicroStrategy objects you will enhance and scale your BI and Analytics solutions Finally you will learn about the administration security and monitoring of your BI solution What you will learn

Set up the MicroStrategy Intelligence Server and client tools Create a MicroStrategy metadata repository and your first Project Explore the main MicroStrategy object types and their dependencies Create manipulate and share Reports Create and share Dashboards Manage Users and Groups

**Who this book is for** This book is for Business Intelligence professionals or data analysts who want to get started with MicroStrategy Some basic understanding of BI and data analysis will be required to get the most from this book

**Natural Language Processing with Python Quick Start Guide** Nirant Kasliwal, 2018-11-30 Build and deploy intelligent applications for natural language processing with Python by using industry standard tools and recently popular methods in deep learning

**Key Features**

- A no math code driven programmer's guide to text processing and NLP
- Get state of the art results with modern tooling across linguistics text vectors and machine learning
- Fundamentals of NLP methods from spaCy gensim scikit learn and PyTorch

**Book Description**

NLP in Python is among the most sought after skills among data scientists With code and relevant case studies this book will show how you can use industry grade tools to implement NLP programs capable of learning from relevant data We will explore many modern methods ranging from spaCy to word vectors that have reinvented NLP The book takes you from the basics of NLP to building text processing applications We start with an introduction to the basic vocabulary along with a workflow for building NLP applications We use industry grade NLP tools for cleaning and pre processing text automatic question and answer generation using linguistics text embedding text classifier and building a chatbot With each project you will learn a new concept of NLP You will learn about entity recognition part of speech tagging and dependency parsing for Q and A We use text embedding for both clustering documents and making chatbots and then build classifiers using scikit learn We conclude by deploying these models as REST APIs with Flask By the end you will be confident building NLP applications and know exactly what to look for when approaching new challenges

**What you will learn**

- Understand classical linguistics in using English grammar for automatically generating questions and answers from a free text corpus
- Work with text embedding models for dense number representations of words subwords and characters in the English language for exploring document clustering
- Deep Learning in NLP using PyTorch with a code driven

introduction to PyTorchUsing an NLP project management Framework for estimating timelines and organizing your project into stagesHack and build a simple chatbot application in 30 minutesDeploy an NLP or machine learning application using Flask as RESTFUL APIsWho this book is for Programmers who wish to build systems that can interpret language Exposure to Python programming is required Familiarity with NLP or machine learning vocabulary will be helpful but not mandatory

**GitLab Quick Start Guide** Adam O'Grady,2018-11-30 Port projects over from GitHub and convert SVN projects to GitLab hosted git projects Key FeaturesEffective guide for GitLab migration from GitHub and SVNLearn to implement DevOps with GitLab 11Manage projects with issue boards and time trackingBook Description Gitlab is an open source repository management and version control toolkit with an enterprise offering This book is the ideal guide to GitLab as a version control system VCS issue management tool and a continuous integration platform The book starts with an introduction to GitLab a walkthrough of its features and explores concepts such as version control systems continuous integration and continuous deployment It then takes you through the process of downloading and installing a local copy of the on premise version of GitLab in Ubuntu and or CentOS You will look at some common workflows associated with GitLab workflow and learn about project management in GitLab You will see tools and techniques for migrating your code base from various version control systems such as GitHub and SVN to GitLab By the end of the book you will be using Gitlab for repository management and be able to migrate projects from other VCSs to GitLab What you will learnSet up CI and test builds for your projectsUnderstand the benefits and limitations of GitLab workflowMigrate from other common VCS platforms to GitlabCreate review and merge code changesLearn to branch local code and create a new branch in GitLabConfigure sequential stages and simultaneous stages for CI CDAccess Mattermost for on premise GitLabDiscover the issue tracking features of GitLabWho this book is for The book is intended for the developers SREs and DevOps professionals who are looking for techniques to port their codebase to GitLab from GitHub or are looking to work with GitLab as their version control system of choice If you ve used other VCSs before that will help with this book [Internet of Things \(IoT\) A Quick Start Guide](#)

Chitra Lele,2022-02-23 Explore IoT Architecture Design and its Implementation KEY FEATURES Comprehensive overview of frameworks protocols networks security and privacy of IoT Covers innovative IoT use cases and industry wide application areas Includes case studies to demonstrate IoT principles and practices DESCRIPTION Internet of Things IoT A Quick Start Guide explains the architecture design and implementation of IoT The book charts a path where none exists and introduces readers to the ethical and responsible development of IoT solutions The book begins with the history of IoT followed by chapters on architectures networks and protocols in both software and hardware The book reveals the next level of IoT framework knowledge such as ThingWorx and Salesforce Thunder This book places equal emphasis on a wide range of security and privacy aspects including Zero Trust Approaches Forensics Access Control Lists and Public Key Infrastructure Wearables Industry 4 0 Workplace Analytics and Product Asset Management are just a few of the applications

and use cases that are discussed Transformative trends such as Augmented Analytics AR VR Digital Twins and many more are also discussed in the book After reading this book readers will get a broad spectrum of knowledge of IoT They will be able to put the guidance shared to use WHAT YOU WILL LEARN Access to a variety of IoT application areas with compelling use cases Opportunity to experiment with frameworks tools and platforms for various IoT assignments Acquire conceptual knowledge about IoT architecture protocols and networks Take a look at integrating IoT procedures software and hardware Investigate how to develop a data management strategy when implementing IoT Understand the policies governing IoT security privacy and interoperability WHO THIS BOOK IS FOR This book is intended for IT graduates computer engineers and industry experts who wish to learn IoT principles techniques and protocols to successfully create and deploy safe and secure IoT systems One does not need prior knowledge of IoT or programming to read this book TABLE OF CONTENTS 1 IoT The Basic Dynamics 2 IoT Nuts and Bolts of the Architecture 3 Data Management Strategy 4 IoT Security Privacy and Interoperability What Why How and What Next 5 Applications and Use Cases 6 Current and Future Trends

[Next.js Quick Start Guide](#) Kirill Konshin,2018-07-26 Next js is a powerful addition to the evergrowing and dynamic JavaScript world Built on top of React Webpack and Babel it is a minimalistic framework for server rendered universal JavaScript applications This book will show you the best practices of building sites using Next js enabling you to build SEO friendly and super fast websites

**Kibana 7 Quick Start Guide** Anurag Srivastava,2019-01-31 A quick start guide to visualize your Elasticsearch data Key FeaturesYour hands on guide to visualizing the Elasticsearch data as well as navigating the Elastic stackWork with different Kibana plugins and create effective machine learning jobs using KibanaBuild effective dashboards and reports without any hassleBook Description The Elastic Stack is growing rapidly and day by day additional tools are being added to make it more effective This book endeavors to explain all the important aspects of Kibana which is essential for utilizing its full potential This book covers the core concepts of Kibana with chapters set out in a coherent manner so that readers can advance their learning in a step by step manner The focus is on a practical approach thereby enabling the reader to apply those examples in real time for a better understanding of the concepts and to provide them with the correct skills in relation to the tool With its succinct explanations it is quite easy for a reader to use this book as a reference guide for learning basic to advanced implementations of Kibana The practical examples such as the creation of Kibana dashboards from CSV data application RDBMS data system metrics data log file data APM agents and search results can provide readers with a number of different drop off points from where they can fetch any type of data into Kibana for the purpose of analysis or dashboarding What you will learnExplore how Logstash is configured to fetch CSV dataUnderstand how to create index patterns in KibanaBecome familiar with how to apply filters on dataDiscover how to create ML jobsExplore how to analyze APM data from APM agentsGet to grips with how to save share inspect and edit visualizationsUnderstand how to find an anomaly in dataWho this book is for Kibana 7 Quick Start Guide is for developers new to Kibana who want to learn the

fundamentals of using the tool for visualization as well as existing Elastic developers      **Apache Ignite Quick Start Guide**  
Sujoy Acharya, 2018-11-30 Build efficient high performance scalable systems to process large volumes of data with Apache Ignite  
Key Features  
Understand Apache Ignite's in-memory technology  
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Build a real time data streaming and complex event processing system  
Book Description  
Apache Ignite is a distributed in-memory platform designed to scale and process large volume of data. It can be integrated with microservices as well as monolithic systems and can be used as a scalable, highly available and performant deployment platform for microservices. This book will teach you to use Apache Ignite for building a high performance, scalable, highly available system architecture with data integrity. The book takes you through the basics of Apache Ignite and in-memory technologies. You will learn about installation and clustering, Ignite nodes, caching topologies and various caching strategies such as cache-aside, read and write-through, and write-behind. Next, you will delve into detailed aspects of Ignite's data grid, web session clustering, and querying data. You will learn how to process large volumes of data using compute grid and Ignite's map-reduce and executor service. You will learn about the memory architecture of Apache Ignite and monitoring memory and caches. You will use Ignite for complex event processing, event streaming, and the time series predictions of opportunities and threats. Additionally, you will go through off-heap and on-heap caching, swapping, and native and Spring framework integration with Apache Ignite. By the end of this book, you will be confident with all the features of Apache Ignite 2.x that can be used to build a high performance system architecture. What you will learn  
Use Apache Ignite's data grid and implement web session clustering  
Gain high performance and linear scalability with in-memory distributed data processing  
Create a microservice on top of Apache Ignite that can scale and perform  
Perform ACID compliant CRUD operations on an Ignite cache  
Retrieve data from Apache Ignite's data grid using SQL Scan and Lucene Text query  
Explore complex event processing concepts and event streaming  
Integrate your Ignite app with the Spring framework  
Who this book is for  
The book is for Big Data professionals who want to learn the essentials of Apache Ignite. Prior experience in Java is necessary.

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## **Mac Quick Start Guide Introduction**

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